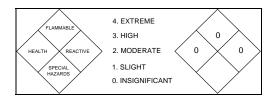
MATERIAL SAFETY DATA SHEET

ROOFING PRODUCTS INTERNATIONAL, INC.

MSDS 300 RE-FLEX TPO MEMBRANE AND ACCESSORIES PIPE BOOTS, FLASHING STRIPS, COATED METAL FLASHINGS T-PATCHES, PRE-FORMED CORNERS



SECTION 1 – PRODUCT IDENTIFICATION								
Product Name: RPI RE-FLEX TPO (products trade name on label)		24 Hour Emergency Telephone Number: 800-424-9300 CHEMTREC						
Chemical Name/Synonyms: Thermo Plastic Olifin		Manufacturer Roofing		rnational. Inc.				
Chemical Family: Mixture		Manufacturer	Roofing Products International, Inc.Manufacturer's Address:57460 Dewitt St., Elkhart, IN 46517-1078					
Chemical Formula: N/A		NFPA Acute Hazard Rating: Health 0, Flammability 0, Reactivity 0 HMIS Acute Hazard Rating: Health 0, Flammability 0, Reactivity 0						
SECTI	ION 2 – CHEMIC	AL COM	POSITION					
Ingredient Components (chemical names) Hazardous Components 1% or greater; Carcinogens 0.1% or greater:	% wt or % vol	Case No.	% wt or % vol	OSHA STEL	OSHA PEL ACGIH	ACGIH TLV		
Solids (by weight)		-	-			<u> </u>		
Non-Hazardous Ingredients	100							
Total	100							
There are no recognized hazards associated	d with normal use of t	his product.						
SECTION 3	B – PHYSICAL &	CHEMICA	AL CHARA	CTERISTICS				
Appearance/Odor: White solid with no odor.	Physical State: Solid			ubility in Water: soluble				
Boiling Point: N/A	Specific Gravity (HO=1) 0.90-1.20		Ме 35	lting Point: 0 ° F				
Vapor Pressure: N/A	Vapor Density (Air=1) N/A		Fre N/A	ezing Point:				
Percent Volatiles: N/A	Evaporation Rate: N/A		Rea	activity in Water:				
pH (Full Strength) N/A	pH (Recommended Dilution N/A	on):		fraction Index:				

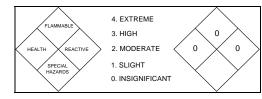
SECTION 4- FIRE & EXPLOSION HAZARD DATA						
Flash Point:	Flammable Limits (in air):					
N/A Extinguishing Media:	LEL: N/A UEL: N/A					
Dry chemical and CO ² can also be used.	Fire Fighting Procedures: Firefighters should wear full protective clothing including					
Hazardous Decomposition Products:	self-contained breathing apparatus to prevent inhalation of					
Hazardous Decomposition Froducts.	smoke and decomposition products.					
In the event of combustion, carbon dioxide, smoke, methane,	Special Fire & Explosion Hazards:					
propane, and other decomposition products may be released.	None					
Method Used:	Auto-Ignition Temperature:					
Estimate based on flash point of most volatile component.	600-770°F					
SECTION- 5 HEAL	TH HAZARD DATA					
Permissible Exposure Limit:	Signs and Symptoms of Exposure:					
N/A	Under normal conditions of use, this product will not release					
Effects of Overexposure:	or otherwise result in exposure to hazardous chemicals.					
Toxic fumes may be released during fire. Exposure to fumes may aggravate pre-existing eye, lung, and skin conditions.	Carcinogenicity:					
Acute: Chronic:	IARC, NTP, and OSHA do not list this product as a					
N/A N/A	carcinogen.					
Emergency & First Aid Procedures:						
Eye Contact:						
Can cause irritation, redness, tearing, blurred vision. Skin Contact:						
Not normally hazardous						
Inhalation:						
Not normally hazardous unless at elevated temperatures. Remove to fresh air. Ingestion:						
Induce vomiting. Consult a Physician						
Primary Route of Entry: None						
SECTION 6 – REACTIVITY DATA						
Stability: Stable	Incompatibility: None					
Hazardous Decomposition Products:						
Carbon monoxide, methane, propane, aldehydes and other	Hazardous Polymerization:					
organic matter may be released during a fire.	Will not occur					
Conditions to Avoid:						
N/A						
SECTION 7 - SPILL OR LEAK PROCEDURES						
Steps to be taken in case material is released or spilled:						
Small spill: Secon on shovel motorial into scaled containers						
Scoop or shovel material into sealed containers. Large Spill:						
Same as small spill.						
Waste Disposal Method:	•					
If this product becomes a waste, it does not meet the criteria of a hazardous waste as defined under RCRA 40CFR261. Dispose						
of in accordance with local, state, and federal regulations.						

SECTION 8 – SPECIAL PROTECTION					
Respiratory Protection: NA	Eye Protection: Safety glasses with side shields recommended.				
Protective Gloves: Not Required	Other Protective Equipment: None required under normal installation conditions.				
Ventilation: No respirator needed.					
SECTION 9 – SPECIAL PRECAU	TIONS OR OTHER COMMENTS				
Storage/Handling: Store in cool, dry, well ventilated facility.					
Other Precautions: Store material in original shipping packaging.					
Work/Hygenic Practices: Maintain good personal hygiene practices. Product is easily reme and water.	oved with waterless hand cleaner followed by washing with soap				
SECTION 10 - TR	ANSPORTATION				
Regulatory Agency: Not Regulated. All components are included in the EPA Toxic Substance Control Act (TSCA) Chemical Substance Inventory	Identification Number: Not Applicable				
Proper Shipping Name: Not Applicable	Labels Required: Not Applicable				
Hazard Classification: EPA SARA Title III hazard class (40CFR370): None	Other Requirements: Not Applicable				
EPA SARA Title III Section 313 (40CFR372): None EPA SARA Title III (40CFR355): There are no components					
present in this product at a level which would require reporting.					
SECTION 11 – MISCELLA	ANEOUS INFORMATION				
Additional Comments: None					
Date of Previous MSDS: October 10, 2006					
Changes Since Previous MSDS: Comment change in sections: 1 thru 9					
Add sections: 10,11					
Telephone Number for Additional Information: (574) 293-9096					
DISCL	AIMER				
The information contained herein is based on data consid					
companies and organizations. However, no warranty or representation is expressed or implied that the information					

is accurate, complete, or representative. Roofing Products International, Inc. assumes no responsibility for injury to the buyer, the buyer's employees, or any third persons if reasonable safety procedures are not followed.

MATERIAL SAFETY DATA SHEET ROOFING PRODUCTS INTERNATIONAL, INC.

MSDS 301 RE-FLEX TPO WALKWAY PAD ROLLS



SECTION 1 – PRODUCT IDENTIFICATION								
Product Name: RE-FLEX TPO Walkway Pad Rolls				rgency Telephone Number: 9300 CHEMTREC				
Chemical Name/Synonyms: Product Code: Mixture TWP				Products I	nternational, Inc			
Chemical Family: N/A				Manufacturer's Address: 57460 Dewitt St., Elkhart, IN 46517-1078				
Chemical Formula:				NFPA Acute Hazard Rating:				
N/A				Health 0, Flammability 0, Reactivity 0 HMIS Acute Hazard Rating:				
						, oility 0, Reactivity	7 0	
	SECTI	ON 2 – C	CHEMICA	AL COMP	POSITIO	N		
Ingredient Components (chemical r			% wt or %v	ol	OSHA PEL		ACGIH TLV	
Hazardous Components 19 Carcinogens 0.1% or great							ILV	
Marble White CAS # 1	Marble White CAS # 1317-65-3		50-65		15 mg/m ³	3	10 mg/m ³	
Phthalate/Terephthalate Plasticizers		7-9		N.E.		N.E.		
Polyolifinic Polymers		40-60		N.E.		N.E.		
Chromium Compounds		>0.47		0.5 mg/m		0.5mg/m ³		
Lead Compounds		>0.47		0.5 mg/m ³		0.5mg/m ³		
Color Concentrate (Carbon Black)		1-2		3.5 mg/m ³		3.5mg/m ³		
Non-Hazardous Ingredients								
	ulents							
Total			100					
	SECTION	N 3 – PHY	SICAL 8	& CHEMI	CAL CH	IARACTERIST	ICS	
Appearance/Odor:	Appearance/Odor: Physical State:		te:			Solubility in Water:		
Composite plastic with no Boiling Point:	odor.	Solid				Insoluble		
N/A		Specific Gravity (HO=1) 1.43				Melting Point: Softens @ 250° F	-300° F	
Vapor Pressure: N/A	Vapor Pressure: Vapor Density (Air=1)		ty (Air=1)			Freezing Point: N/A		
Percent Volatiles: N/A		Evaporation Rate: N/A				Reactivity in Water: None		
pH (Full Strength) N/A		pH (Recommended Dilution N/A		n):	Refraction Index: N/A			

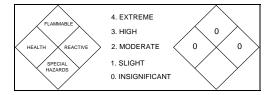
301 RE-FLEX TPO Walkway Pads MSDS Sheet 1/3 August 25, 2007

SECTION 4- FIRE & EXPLOSION HAZARD DATA					
Flash Point: N/A	Flammable Limits (in air): LEL: N/A UEL: N/A				
Extinguishing Media:	Fire Fighting Procedures:				
Dry chemical and CO ² can also be used.	Standard procedures with self-contained air breathing				
	apparatus				
Hazardous Decomposition Products:	Special Fire & Explosion Hazards:				
In the event of combustion, carbon monoxide, smoke, carbon	None				
compound and other toxic products may be released.					
Method Used:	Auto-Ignition Temperature:				
N/A	N/A				
SECTION- 5 HEALT	TH HAZARD DATA				
Permissible Exposure Limit:	Signs and Symptoms of Exposure:				
N/A	Under normal conditions of use, this product will not release				
Effects of Overexposure:	or otherwise result in exposure to hazardous chemicals.				
Toxic fumes may be released during fire. Exposure to fumes	······································				
may aggravate pre-existing eye, lung, and skin conditions.					
Acute:	Carcinogenicity:				
N/A					
Chronic:	IARC, NTP, and OSHA do not list this product as a				
Contains a maximum of 0,8% crystalline silica which is listed	carcinogen.				
as a carcinogen. Contains encapsulated lead and chromium					
compounds which are listed as carcinogens.					
Emergency & First Aid Procedures:					
Eye Contact:					
Dust particles that may occur can cause irritation, redness.					
Skin Contact:					
Not normally hazardous Inhalation:					
Inhalation of dust particles may irritate the respiratory system.					
Ingestion:					
Induce vomiting. Consult a Physician					
Primary Route of Entry:					
None					
SECTION 6 – REACTIVITY DAT.	A				
Stability:	Incompatibility:				
Stable	None				
Hazardous Decomposition Products:	Hazardous Polymerization:				
Carbon monoxide and other toxins may be released during a					
fire.	Will not occur				
Conditions to Avoid:					
N/A					

SECTION 7 - SPILL OR LEAK PROCEDURES						
Steps to be taken in case material is released or spilled:						
Small spill: Scoop or shovel material into sealed containers.						
Large Spill:						
Same as small spill.						
Waste Disposal Method:						
If this product becomes a waste, it does not meet the criteria of a hazardous waste as defined under RCRA 40CFR261. Dispose of in accordance with local, state, and federal regulations.						
SECTION 8 – SPECIAL PROTECTION						
Respiratory Protection:	Eye Protection:					
NA	Safety glasses with side shields recommended.					
Protective Gloves: Not Required	Other Protective Equipment: None required under normal installation conditions.					
Ventilation:	None required under normal instanation conditions.					
No respirator needed.						
	JTIONS OR OTHER COMMENTS					
Storage/Handling:						
Store in cool, dry, well ventilated facility.						
Other Precautions:						
Store material in original shipping packaging.						
Work/Hygenic Practices: Maintain good personal hygiene practices. Product is easily removed with waterless havd cleaner followed by washing with soap						
and water.	wei with wateriess have cleaner followed by washing with soap					
SECTION 10 - TRANSPORTATION						
Regulatory Agency:	Identification Number:					
Not Regulated. All components are included in the EPA Toxic	Not Applicable					
Substance Control Act (TSCA) Chemical Substance Inventory Proper Shipping Name:	Labels Deswined					
Not Applicable	Labels Required: Not Applicable					
Hazard Classification:						
Hazard Classification: N/A	Other Requirements: Not Applicable					
N/A	Other Requirements:					
N/A	Other Requirements: Not Applicable					
N/A SECTION 11 – MISCELL	Other Requirements: Not Applicable					
N/A SECTION 11 – MISCELL Additional Comments: None Date of Previous MSDS:	Other Requirements: Not Applicable					
N/A SECTION 11 – MISCELL Additional Comments: None Date of Previous MSDS: 06-2003	Other Requirements: Not Applicable					
N/A SECTION 11 – MISCELL Additional Comments: None Date of Previous MSDS: 06-2003 Changes Since Previous MSDS:	Other Requirements: Not Applicable					
N/A SECTION 11 – MISCELL Additional Comments: None Date of Previous MSDS: 06-2003 Changes Since Previous MSDS: Comment change in sections: 1 thru 7	Other Requirements: Not Applicable					
N/A SECTION 11 – MISCELL Additional Comments: None Date of Previous MSDS: 06-2003 Changes Since Previous MSDS:	Other Requirements: Not Applicable					
N/A SECTION 11 – MISCELL Additional Comments: None Date of Previous MSDS: 06-2003 Changes Since Previous MSDS: Comment change in sections: 1 thru 7 Add sections: 8 thru 11 Telephone Number for Additional Information: (574) 293-9096	Other Requirements: Not Applicable					
N/A SECTION 11 – MISCELL Additional Comments: None Date of Previous MSDS: 06-2003 Changes Since Previous MSDS: Comment change in sections: 1 thru 7 Add sections: 8 thru 11 Telephone Number for Additional Information: (574) 293-9096 DISCL	Other Requirements: Not Applicable ANEOUS INFORMATION					
N/A SECTION 11 – MISCELL Additional Comments: None Date of Previous MSDS: 06-2003 Changes Since Previous MSDS: Comment change in sections: 1 thru 7 Add sections: 8 thru 11 Telephone Number for Additional Information: (574) 293-9096 DISCL The information contained herein is based on data considered	Other Requirements: Not Applicable ANEOUS INFORMATION					
N/A SECTION 11 – MISCELL Additional Comments: None Date of Previous MSDS: 06-2003 Changes Since Previous MSDS: Comment change in sections: 1 thru 7 Add sections: 8 thru 11 Telephone Number for Additional Information: (574) 293-9096 DISCL The information contained herein is based on data conside companies and organizations. However, no warranty or resource of the section of the sec	Other Requirements: Not Applicable ANEOUS INFORMATION					

MATERIAL SAFETY DATA SHEET ROOFING PRODUCTS INTERNATIONAL, INC.

MSDS 302 RE-FLEX TPO UN-REINFORCED FLASHING MEMBRANE

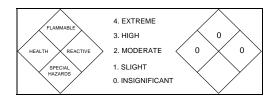


SECTION 1 – PRODUCT IDENTIFICATION								
Product Name: RPI RE-FLEX TPO Un-reinforced Flashing Membrane			Iour Emergency Telephone Number: D-424-9300 CHEMTREC					
			Manufacturer Roofing I		rnational. Inc.			
Chemical Family: Mixture		Manufacturer	Roofing Products International, Inc. Manufacturer's Address: 57460 Dowitt St. Elkbort IN 46517 1078					
Chemical Formula: N/A			57460 Dewitt St., Elkhart, IN 46517-1078 NFPA Acute Hazard Rating: Health 0, Flammability 0, Reactivity 0 HMIS Acute Hazard Rating: Health 0, Flammability 0, Reactivity 0					
	SECTI	ON 2 – CHEMIC	AL COM	POSITION				
Ingredient Components (chemical name Hazardous Components 1% of Carcinogens 0.1% or greaters	or greater;	% wt or % vol	Case No.	% wt or % vol	OSHA STEL	OSHA PEL ACGIH	ACGIH TLV	
Solids (by weight)							_	
Non-Hazardous Ingredient	S	100						
Total 100								
There are no recognized haza	rds associated	l with normal use of t	his product.					
	SECTION	N 3 – PHYSICAL	& CHEMI	CAL CHAR	ACTERISTIC	CS		
Appearance/Odor: White solid with no odor.		Physical State: Solid	-		ubility in Water: soluble			
Boiling Point: N/A		Specific Gravity (HO=1) 0.90-1.20		Melting Point: 350 °F				
Vapor Pressure: N/A		Vapor Density (Air=1) N/A		Freezing Point: N/A				
Percent Volatiles: N/A		Evaporation Rate: N/A		Rea No	ctivity in Water:			
pH (Full Strength) N/A		pH (Recommended Dilution N/A	on):		Refraction Index: N/A			

Flash Point: Planmable Lines (m arg: LEE: NA Extiguishing Medie: For Fighing Procedures: Programmed and CO ² can also be used. For Fighing Procedures: Interactions becomposition products: Special Fire & Explosion products: Interactions becomposition products: Special Fire & Explosion Hazards: None Ador training breathing: Method Used: Special Fire & Explosion Hazards: Estimate based on flash point of most volatile component. Special Fire & Explosion Hazards: None Ador training Argentants: NA Special Fire & Explosion Hazards: Permissible taposare Limit: None NA Special Fire & Explosion Temperature: NA Special Fire & Explosion functions of use, this product will not release or otherwise result in exposure to hazardous chemicals. NA Carcinogenicity: NA Special Fire A Explosion of the special structure in exposure to hazardous the specin structure in explosed fire of the sproduct as a carci	SECTION 4- FIRE & EXPLOSION HAZARD DATA						
Extinguishing Media: Fire Fighting Procedures: Fire Fighting Proceedines: Fire Fighting Proceedines: Dry chemical and CO ² can also be used. Section of the earthing apparatus to prevent inhalation of smoke and decomposition products. Hazardous Decomposition Products: Special Pire & Explosion Hazards: In the event of combustion, carbon dioxide, smoke, methane, propane, and other decomposition products may be released. None Method Used: Special Pire & Explosion Hazards: None Sector of and shared on flash point of most volatile component. G00.770°F G00.770°F Permischbe Exposure Limit: NA Stages and Symptoms of Exposure: Under normal conditions of use, this product will not release or otherwise result in exposure to hazardous chemicals. NA Stages and Symptoms of Exposure: Under normal conditions of use, this product as a carcinogen. NA Carcinogenicity: Inder normal conditions of use, this product as a carcinogen. NA LARC, NTP, and OSHA do not list this product as a carcinogen. Printip Consult a Physician Printing Consult a Physician Printip Consult a Physician Printip Printip Consult a Physician Printip Printip Consult a Physician Printip Printip Consult a Physician Printip Printip Print Printip Printip Printip Printip Print Printip Prin							
Dry chemical and CO ² can also be used. Firefighters should wear full protective clothing including self-contained breathing apparatus to prevent inhalation of smoke and decomposition products. Hazardons Decomposition Products: Special Fire & Explosion Hazardos In the event of combustion, carbon dioxide, smoke, methane, propane, and other decomposition products may be released. None Mathed Usid: Auto-latition Temperature! Sector Fire & Explosion Hazardos Sucleation Temperature! Mathed Usid: Sucleation Temperature! Permissible Exposure Linnit: Signs and Symptoms of Exposure: MA Understoon Temperature! Toxic funces may be released during fire. Exposure to funces may aggravate pre-existing eye, lung, and skin conditions. Carcinogenicity: NA LARC, NTP, and OSHA do not list this product as a carcinogen. NA LARC, NTP, and OSHA do not list this product as a carcinogen. None Intervention of fauge. Na Interv							
In the event of combustion, carbon dioxide, smoke, methane, propane, and other decomposition products may be released. None Auto-lgnition Temperature: Auto-lgnition Temperature: G00-770'F SECTION-5 HEALTH HAZARD DATA Signs and Symptoms of Exposure: None Permissible Exposure Limit: No Signs and Symptoms of Exposure: No NA Effects of Overexposure: Under normal conditions of use, this product will not release of otherwise result in exposure to hazardous chemicals. No Toxic fumes may be released during fire, Exposure to fumes may aggravate pre-existing eye, lung, and skin conditions. Signs and Symptoms of Exposure: Under normal conditions of use, this product will not release or otherwise result in exposure to hazardous chemicals. NA Carcinogenicity: Under normal conditions of use, this product as a carcinogen. Ratio: NA IARC, NTP, and OSHA do not list this product as a carcinogen. Emergency & First Aid Procedures: Exectionet. Carcinogenicity: Not normally hazardous unless at elevated temperatures. Remover to fresh air: Incompatibility: None Induce vonting. Consult a Physician Primary Route of Emp: None None None Stable Incompatibility: None None		Firefighters should wear full protective clothing including self-contained breathing apparatus to prevent inhalation of smoke and decomposition products.					
propane, and other decomposition products may be released. None Auto-lightion Temperature: Auto-lightion Temperature: Bethod Used: Signs and Symptoms of Exposure: N/A Signs and Symptoms of Exposure: N/A Under normal conditions of use, this product will not release or otherwise result in exposure to hazardous chemicals. Acute: Carcinogenicity: N/A LARC, NTP, and OSHA do not list this product as a carcinogen. Chancie: Carcinogenicity: N/A LARC, NTP, and OSHA do not list this product as a carcinogen. Emergency & First Aid Procedures: Every Contact: Primary But and the action products as a carcinogen. Intercent of the symptoms or Exposure to fresh air. Induction products as a carcinogen. Intercent of the symptoms or Exposure to fresh air. Induction: Second the symptoms or Exposure to fresh air. Inductor of Entry: Not ormally hazardous unless at elevated temperatures. Not normally bazardous unless at elevated temperatures. Incompatibility: Stability: Stability: Stability: Incompatibility: Stability: Stability: NA Stapenpatibility: <		Special Fire & Explosion Hazards:					
Estimate based on flash point of most volatile component. 600-770°F 600-770°F 600-770°F Permissible Exposure Limit: NA MA Signs and Symptons of Exposure: Under normal conditions of use, this product will not release or therwise result in exposure to hazardous chemicals. Under normal conditions of use, this product will not release or therwise result in exposure to hazardous chemicals. Acute: Under normal conditions of use, this product as a carcinogen. NA LARC, NTP, and OSHA do not list this product as a carcinogen. Emergency & First Aid Procedures: LARC, NTP, and OSHA do not list this product as a carcinogen. Not normally hazardous inhalation: IARC, NTP, and OSHA do not list this product as a carcinogen. Induce vomiting. Consult a Physician Printardous Inhalation: Incompatibility: None SECTION 6 – REACTIVITY DATA Stability: Incompatibility: None Hazadous Polymerization: Carcinogen exposuite, matter may be released during a fire. Will not occur Conditions to Avaid: None Stability: SECTION 7 - SPILL OR LEAK PROCEDURES Stability: Sectron 7 - SPILL OR LEAK PROCEDURES Stability: Sectron 7 - SPILL OR LEAK PROCEDURES Stan	propane, and other decomposition products may be released.	None					
Permissible Exposure Limit: Signs and Symptoms of Exposure: N/A Effects of Overexposure: Under normal conditions of use, this product will not release or otherwise result in exposure to hazardous chemicals. Acute: N/A Carcinogenicity: N/A IARC, NTP, and OSHA do not list this product as a carcinogen. Emergency & First Aid Procedures: Carcinogenicity: Eye Contact: Carcinogenicity: Can cause irritation, redness, tearing, blurred vision. Skin Contact: Not normally hazardous Induce vomiting. Consult a Physician Primary Route of Earry: Note SECTION 6 - REACTIVITY DATA Stability: Incompatibility: Nata Section of the stand of the stand stan		÷ .					
NA Effects of Overexposure: Effects of Overexposure: Curder normal conditions of use, this product will not release or otherwise result in exposure to hazardous chemicals. Effects of Overexposure: Curder normal conditions of use, this product will not release or otherwise result in exposure to hazardous chemicals. Acute: NA Carcinogenicity: NA IARC, NTP, and OSHA do not list this product as a carcinogen. Paragency & First Aid Procedures: Eye Contact: Carcause irritation, redness, tearing, blurred vision. Skin Contact: Not normally hazardous unless at elevated temperatures. Remove to fresh air. Ingestion: Incompatibility: Notace of Entry: None Stability: Incompatibility: Natardous Decomposition Products: Incompatibility: Carbon monoxide, methane, propane, aldehydes and other organic matter may be released during a fire. Will not occur Conditions to Avoid: SECTION 7 - SPILL OR LEAK PROCEDURES Steps to be taken in case material is released or spilled: Steps or bor etaken in case material is released or spilled: Steps to be taken in case material is released. Large Spill: Same as small spill. Wase Disposal Method: If this product becomes a waste, it does not meet the criteria of a hazardous waste as defined under RCRA 4	SECTION- 5 HEAL	ГН HAZARD DATA					
NA Under normal conditions of use, this product will not release or otherwise result in exposure to hazardous chemicals. Effects of Overexposure: Curder normal conditions of use, this product will not release or otherwise result in exposure to hazardous chemicals. Acute: Chronic: NA LARC, NTP, and OSHA do not list this product as a carcinogen. Emergency & First Aid Procedures: Eye Contact: Carcian cause irritation, redness, tearing, blurred vision. Skin Contact: Not normally hazardous International devices Notoromally hazardous International devices Induce vomiting. Consult a Physician Primary Route of Entry: None None None Stability: Incompatibility: Natardous Decomposition Products: Hazardous Polymerization: Carditon to void: SECTION 7 - SPILL OR LEAK PROCEDURES Steps to be taken in case material is released or spilled: Steps or shovet material into sealed containers. Stape og or shovet material into sealed containers. Large Spill: Stape or shoved material into sealed containers. Large Spill. Water out the corter or spilled: Stand spill. Water out the corter or spilled: Stand spill. Wasere or shoved material into	Permissible Exposure Limit:	Signs and Symptoms of Exposure:					
Interest of Oversponte. Toxic fumes may be released during fire. Exposure to fumes may aggravate pre-existing eye, lung, and skin conditions. Acute: N/A Chronic: Chronic: Chronic: Chronic: Chronic: Carcinogenicity: IARC, NTP, and OSHA do not list this product as a carcinogen. IARC, NTP, and OSHA do not list this product as a carcinogen. IARC, NTP, and OSHA do not list this product as a carcinogen. IARC, NTP, and OSHA do not list this product as a carcinogen. IARC, NTP, and OSHA do not list this product as a carcinogen. IARC, NTP, and OSHA do not list this product as a carcinogen. IARC, NTP, and OSHA do not list this product as a carcinogen. IARC, NTP, and OSHA do not list this product as a carcinogen. IARC, NTP, and OSHA do not list this product as a carcinogen. IARC, NTP, and OSHA do not list this product as a carcinogen. IARC, NTP, and OSHA do not list this product as a carcinogen. IARC, NTP, and OSHA do not list this product as a carcinogen. IARC, NTP, and OSHA do not list this product as a carcinogen. IARC, NTP, and OSHA do not list this product as a carcinogen. IARC, NTP, and OSHA do not list this product as a carcinogen. IARC, NTP, and OSHA do not list this product as a carcinogen. IARC, NTP, and OSHA do not list this product as a carcinogen. IARC, NTP, and OSHA do not list this product as a carcinogen. IARC, NTP, and OSHA do not list this product as a IARC, NTP, and OSHA do not list this product as a carcinogen. IARC, NTP, and OSHA do not list this product as a IARC, NTP, and OSHA do not list this product as a IARC, NTP, and OSHA do not list this product as a IARC, NTP, and OSHA do not list this product as a IARC, NTP, and OSHA do not list this product becomes a waste, it does not meet the criteria of a hazardous waste as defined under RCRA 40CFR261. Dispose							
N/A IARC, NTP, and OSHA do not list this product as a carcinogen. Emergency & First Aid Procedures: carcinogen. Eye Contact: Can cause irritation, redness, tearing, blurred vision. Skin Contact: Not normally hazardous Nohalation: Incompatibility: Not normally hazardous unless at elevated temperatures. Remove to fresh air. Incompatibility: Induce or pointing. Consult a Physician Incompatibility: None Stability: None None Hazardous Decomposition Products: Incompatibility: Carbon monoxide, methane, propane, aldehydes and other organic matter may be released during a fire. Will not occur Conditions to Avoid: Will Will not occur NVA Steps to be taken in case material is released or spilled: Small spill: Scop or shovel material into sealed containers. Large Spill: Same as small spill. Waste Disposal Method: If this product becomes a waste, it does not meet the criteria of a hazardous waste as defined under RCRA 40CFR261. Dispose	Toxic fumes may be released during fire. Exposure to fumes						
Chronic: IARC, NTP, and OSHA do not list this product as a carcinogen. Emergency & First Aid Procedures: carcinogen. Eye Contact: Can cause irritation, redness, tearing, blurred vision. Skin Contact: N/A Not normally hazardous Inhalation: Not normally hazardous unless at elevated temperatures. Remove to fresh air. Ingestion: Inductor of Entry: Incompatibility: None Incompatibility: Stability: Incompatibility: None None Hazardous Decomposition Products: Incompatibility: Carbon monoxide, methane, propane, aldehydes and other organic matter may be released during a fire. Will not occur Conditions to Avoid: N/A Steps to be taken in case material is released or spilled: Snapelie: Scoop or shovel material into sealed containers. Large Spill: Same as small spill. Same as small spill. Waste Disposal Method: If this product keenes a waste, it does not meet the criteria of a hazardous waste as defined under RCRA 40CFR261. Dispose		Carcinogenicity:					
Available Image of the second of the sec	Chronic:	-					
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Inhalation: Not normally hazardous unless at elevated temperatures. Remove to fresh air. Ingestion: Induce vomiting. Consult a Physician Primary Route of Entry: None Stability: Stability: Stabile Incompatibility: Stabile None Hazardous Polymerization: Carbon monoxide, methane, propane, aldehydes and other organic matter may be released during a fire. Conditions to Avoid: N/A Second or shovel material is released or spilled: Small spill: Scoop or shovel material into sealed containers. Large Spill: Same as small spill. Maste Disposal Method: If this product becomes a waste, it does not meet the criteria of a hazardous waste as defined under RCRA 40CFR261. Dispose	Skin Contact:						
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Scoop or shovel material into sealed containers. Large Spill: Same as small spill. Waste Disposal Method: If this product becomes a waste, it does not meet the criteria of a hazardous waste as defined under RCRA 40CFR261. Dispose	Steps to be taken in case material is released or spilled:						
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Waste Disposal Method: If this product becomes a waste, it does not meet the criteria of a hazardous waste as defined under RCRA 40CFR261. Dispose							
	Waste Disposal Method:						
of in accordance with local, state, and federal regulations.	If this product becomes a waste, it does not meet the criteria of a hazardous waste as defined under RCRA 40CFR261. Dispose						
	of in accordance with local, state, and federal regulations.						

SECTION 8 – SPECIAL PROTECTION						
Respiratory Protection:	Eye Protection:					
NA	Safety glasses with side shields recommended.					
Protective Gloves:	Other Protective Equipment:					
Not Required	None required under normal installation conditions.					
Ventilation:						
No respirator needed.						
SECTION 9 – SPECIAL PRECAUTIONS OR OTHER COMMENTS						
Storage/Handling: Store in cool, dry, well ventilated facility.						
Other Precautions:						
Store material in original shipping packaging.						
Work/Hygenic Practices:						
	oved with waterless hand cleaner followed by washing with soap					
and water.						
SECTION 10 - TR	ANSPORTATION					
Regulatory Agency:	Identification Number:					
Not Regulated. All components are included in the EPA Toxic	Not Applicable					
Substance Control Act (TSCA) Chemical Substance Inventory						
Proper Shipping Name:	Labels Required:					
Not Applicable	Not Applicable					
Hazard Classification:	Other Requirements:					
EPA SARA Title III hazard class (40CFR370): None	Not Applicable					
EPA SARA Title III Section 313 (40CFR372): None						
EPA SARA Title III (40CFR355): There are no components						
present in this product at a level which would require reporting.						
SECTION 11 – MISCELLA	ANEOUS INFORMATION					
Additional Comments:						
None						
Date of Previous MSDS:						
October 10, 2006						
Changes Since Previous MSDS:						
Comment change in sections: 1 thru 9						
Add sections: 10,11						
Telephone Number for Additional Information: (574) 293-9096						
DISCL	AIMER					
The information contained herein is based on data conside	ered accurate which has been obtained from other					
companies and organizations. However, no warranty or re						
	is accurate, complete, or representative. Roofing Products International, Inc. assumes no responsibility for injury to					
the buyer, the buyer's employees, or any third persons if reasonable safety procedures are not followed.						

MATERIAL SAFETY DATA SHEET ROOFING PRODUCTS INTERNATIONAL, INC. MSDS 303 RE-FLEX TPO T-PATCH HW (HEAT WELD)



SECTION 1 – PRODUCT IDENTIFICATION								
Product Name: RPI RE-FLEX TPO T-PATCH HW (Heat Weld)			24 Hour Emergency Telephone Number: 800-424-9300 CHEMTREC					
				nufacturer's Name: Dofing Products International, Inc.				
Chemical Family:			Manufacturer	's Address:				
Mixture			57460 Dewitt St., Elkhart, IN 46517-1078					
Chemical Formula: N/A			NFPA Acute Hazard Rating: Health 0, Flammability 0, Reactivity 0					
IN/A				HMIS Acute Hazard Rating:				
				•	y 0, Reactivity 0			
	SECTI	ON 2 – CHEMIC	AL COM	POSITION				
Ingredient Components (chemical na Hazardous Components 1% Carcinogens 0.1% or great	% or greater;	% wt or % vol	Case No.	% wt or % vol	OSHA STEL	OSHA PEL ACGIH	ACGIH TLV	
Solids (by weight)						1		
Non-Hazardous Ingredients100								
Total 100			-					
There are no recognized ha	zards associated	with normal use of t	his product.					
_	SECTION	N 3 – PHYSICAL	& CHEMI	CAL CHAR	RACTERISTI	CS		
Appearance/Odor: White solid with no odor.		Physical State: Solid			Solubility in Water: Insoluble			
Boiling Point:		Specific Gravity (HO=1)		Melting Point:				
N/A		0.90-1.20			0 °F			
Vapor Pressure: N/A		Vapor Density (Air=1) N/A		Fre N/	ezing Point: A			
Percent Volatiles:		Evaporation Rate:			activity in Water:			
N/A		N/A			one			
pH (Full Strength) pH (Recommended Dilution			on):		fraction Index:			
N/A	N/A N/A			N/	A			

SECTION 4- FIRE & EXPLOSION HAZARD DATA						
Flash Point:	Flammable Limits (in air):					
N/A	LEL: N/A UEL: N/A					
Extinguishing Media: Dry chemical and CO ² can also be used.	Fire Fighting Procedures: Firefighters should wear full protective clothing including self-contained breathing apparatus to prevent inhalation of smoke and decomposition products. .					
Hazardous Decomposition Products:	Special Fire & Explosion Hazards:					
In the event of combustion, carbon dioxide, smoke, methane, propane, and other decomposition products may be released.	None					
Method Used: Estimate based on flash point of most volatile component.	Auto-Ignition Temperature: 600-770°F					
SECTION- 5 HEALTH HAZARD DATA						
Permissible Exposure Limit:	Signs and Symptoms of Exposure:					
N/A						
Effects of Overexposure: Toxic fumes may be released during fire. Exposure to fumes may aggravate pre-existing eye, lung, and skin conditions.	 Under normal conditions of use, this product will not release or otherwise result in exposure to hazardous chemicals. 					
Acute:	Carcinogenicity:					
N/A Chronic:	IARC, NTP, and OSHA do not list this product as a carcinogen.					
	carcmogen.					
N/A Intergrat Emergency & First Aid Procedures: Eye Contact: Emergency & First Aid Procedures: Eye Contact: Can cause irritation, redness, tearing, blurred vision. Skin Contact: Skin Contact: Not normally hazardous Inhalation: Inhalation: Not normally hazardous unless at elevated temperatures. Remove to fresh air. Ingestion: Induce vomiting. Consult a Physician Primary Route of Entry: None Stability: Stability: Incompatibility: None Stability: Incompatibility: None Hazardous Decomposition Products: Hazardous Polymerization: Carbon monoxide, methane, propane, aldehydes and other organic matter may be released during a fire. Conditions to Avoid: N/A						
SECTION 7 - SPILL OR LEAK PROCEDURES						
Steps to be taken in case material is released or spilled:						
Small spill: Scoop or shovel material into sealed containers. Large Spill: Same as small spill. Waste Disposal Method: If this product becomes a waste, it does not meet the criteria of a hazardous waste as defined under RCRA 40CFR261. Dispose						
of in accordance with local, state, and federal regulations.						

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SECTION 8 – SPECIAL PROTECTION				
Respiratory Protection: NA	Eye Protection: Safety glasses with side shields recommended.			
Protective Gloves:	Other Protective Equipment:			
Not Required Ventilation:	None required under normal installation conditions.			

No respirator needed.

SECTION 9 – SPECIAL PRECAUTIONS OR OTHER COMMENTS

Storage/Handling: Store in cool, dry, well ventilated facility.

Other Precautions: Store material in original shipping packaging.

Work/Hygenic Practices:

Maintain good personal hygiene practices. Product is easily removed with waterless hand cleaner followed by washing with soap and water.

SECTION 10 - TRANSPORTATION				
Regulatory Agency: Not Regulated. All components are included in the EPA Toxic Substance Control Act (TSCA) Chemical Substance Inventory	Identification Number: Not Applicable			
Proper Shipping Name: Not Applicable	Labels Required: Not Applicable			
Hazard Classification: EPA SARA Title III hazard class (40CFR370): None EPA SARA Title III Section 313 (40CFR372): None EPA SARA Title III (40CFR355): There are no components present in this product at a level which would require reporting.	Other Requirements: Not Applicable			

SECTION 11 – MISCELLANEOUS INFORMATION

Additional Comments:

None

Date of Previous MSDS:

October 10, 2006 Changes Since Previous MSDS:

Comment change in sections: 1 thru 9

Add sections: 10,11

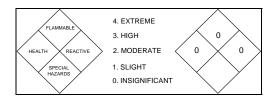
Telephone Number for Additional Information:

(574) 293-9096

DISCLAIMER

The information contained herein is based on data considered accurate which has been obtained from other companies and organizations. However, no warranty or representation is expressed or implied that the information is accurate, complete, or representative. Roofing Products International, Inc. assumes no responsibility for injury to the buyer, the buyer's employees, or any third persons if reasonable safety procedures are not followed.

MATERIAL SAFETY DATA SHEET ROOFING PRODUCTS INTERNATIONAL, INC. MSDS 304 RE-FLEX TPO OUTSIDE CORNER HW (HEAT WELD)



Product Name: 24 Hour Emergency Telephone Number: RPI RE-FLEX TPO OUTSIDE CORNER HW (Heat Weld) 24 Hour Emergency Telephone Number: ROM: RE-FLEX TPO OUTSIDE CORNER HW (Heat Weld) Manufacture's Name: Chemical Name'Synonyms: Product Code: Manufacture's Name: Thermo Plastic Olifin Product Code: Manufacture's Name: Manufacture's Name: Manufacture's Name: Solde NameStructure's Name: Chemical Family: Manufacture's Name: Manufacture's Name: Manufacture's Name: Manufacture's Name: NEPA Acute Hazard Raing: N/A NFPA Acute Hazard Raing: Health 0, Flammability 0, Reactivity 0 Ingredient Components (chemical names) % wt or % vol Case No. % wt or % vol OSHA STEL ACGIH Ingredient Components (chemical names) % wt or % vol Case No. % wt or % vol OSHA STEL ACGIH Ingredient Components (chemical names) 100 India India India Total 100 India India India India Non-Hazardous Ingredients 100 Insoluble Insoluble Insoluble Boling Point: Solid NA	SECTION 1 – PRODUCT IDENTIFICATION								
Thermo Plastic Olifin TOC Roofing Products International, Inc. Chemical Family: Mixture Manufacture's Address: Statedos: Merical Formula: N/A Manufacture's Address: Statedos: Merical Formula: N/A Manufacture's Address: Statedos: Merical Formula: N/A Manufacture's Address: Statedos: Merical Formula: N/A NFPA Acute Hazard Rating: Health 0, Flammability 0, Reactivity 0 Ingredient Components (chemical names) Hazardous Components (% or greater; Carcinogens 0.1% or greater; Carcinogens 0.1% or greater; % wt or % vol Case No. % wt or % vol OSHA STEL SCIENT OSHA STEL ACGIH TLV OSHA STEL ACGIH TLV <td colspan="2"></td> <td colspan="6"></td>									
Chemical Family: Manufacture's Address: Mixture S7460 Dewith St., Elkhart, IN 46517-1078 Chemical Formula: NFPA Acute Hazard Rating: N/A NFPA Acute Hazard Rating: Health 0, Flammability 0, Reactivity 0 HMIS Acute Hazard Rating: Health 0, Flammability 0, Reactivity 0 HMIS Acute Hazard Rating: Health 0, Flammability 0, Reactivity 0 Ingredient Components 1% or greater; Carcinogens 0.1% or greater: % wt or % vol Case No. % wt or % vol OSHA STEL OSHA PEL, ACOIH ACOIH Ingredient Components 1% or greater: % wt or % vol Case No. % wt or % vol OSHA STEL OSHA PEL, ACOIH ACOIH Ingredient Components 1% or greater: % wt or % vol Case No. % wt or % vol OSHA STEL OSHA PEL, ACOIH ACOIH Ingredient Components 1% or greater: 100 Income State: Incom									
Mixture57460 Dewitt St., Elkhart, IN 46517-1078Chemical Formula: N/ANPFA Acute Hazard Rating: Health 0, Flammability 0, Reactivity 0 HMIS Acute Hazard Rating: Health 0, Flammability 0, Reactivity 0 HMIS Acute Hazard Rating: Health 0, Flammability 0, Reactivity 0SECTION 2 - CHEMICAL COMPORTNetactive Hazard Rating: Health 0, Flammability 0, Reactivity 0Ingredient Components (chemical names) Hazardous Components 1% or greater: Carcinogens 0.1% or greater:% wt or % vol% wt or % vol% wt or % volSSHA STELOSHA STEL ACGIH TLVACGIH ACGIHIngredient Components (chemical names) Hazardous Components 1% or greater: Carcinogens 0.1% or greater: Carcinogens		тос		0		rnational, Inc.			
Chemical Formula: N/A NFPA Acute Hazard Raing: Health 0, Flammability 0, Reactivity 0 HMMIS Acute Hazard Raing: Health 0, Flammability 0, Reactivity 0 Ingredient Components (chemical names) Hazardous Components 1% or greater; Carcinogens 0.1% or greater; % wt or % vol Case No. % wt or % vol OSHA STEL OSHA PEL ACGIH ACGIH TLV Ingredient Components 1% or greater; Carcinogens 0.1% or greater: % wt or % vol Case No. % wt or % vol OSHA STEL OSHA PEL ACGIH ACGIH TLV Solids (by weight) Information <									
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HMIS Acute Hazard Rating: Health 0, Flammability 0, Reactivity 0 SECTION 2 - CHEMICAL COMPOSITION Ingredient Components (chemical names) Hazardous Components 1% or greater; Carcinogens 0.1% or greater: % wt or % vol Case No. % wt or % vol OSHA STEL OSHA PEL ACGIH ACGIH TLV Ingredient Components 1% or greater: % wt or % vol Image: Case No. % wt or % vol OSHA STEL OSHA PEL ACGIH ACGIH TLV Masser Image: Case No. % wt or % vol Image: Case No. % wt or % vol OSHA STEL OSHA PEL ACGIH ACGIH TLV Masser Image: Case No. % wt or % vol Image: Case No. % wt or % vol OSHA STEL OSHA PEL ACGIH ACGIH TLV Solids (by weight) Image: Case No.									
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Hazardous Components 1% or greater; Carcinogens 0.1% or greater:ACGIHTLVImage: Carcinogens 0.1% or greater:Image: Carcinogens 0.1% or		SECT	ION 2 – CHEMIC	CAL COM	POSITION				
Non-Hazardous Ingredients100Total100Total100There are no recognized hazards associated with normal use of this product.SECTION 3 – PHYSICAL & CHEMICAL CHARACTERISTICSAppearance/Odor:Physical State: SolidSolubility in Water: InsolubleMyite solid with no odor.Physical State: SolidSolubility in Water: InsolubleBoiling Point:Specific Gravity (HO=1) 0.90-1.20Melting Point: 350 °FVapor Pressure:Vapor Density (Air=1) N/AFreezing Point: N/AN/AN/AN/APercent Volatiles:Evaporation Rate: N/AReactivity in Water: N/A	Hazardous Components 1%	% or greater;	% wt or % vol						
Non-Hazardous Ingredients100Total100Total100There are no recognized hazards associated with normal use of this product.SECTION 3 – PHYSICAL & CHEMICAL CHARACTERISTICSAppearance/Odor:Physical State: SolidSolubility in Water: InsolubleMyite solid with no odor.Physical State: SolidSolubility of Water: InsolubleBoiling Point:Specific Gravity (HO=1) 0.90-1.20Melting Point: 350 °FVapor Pressure:Vapor Density (Air=1) N/AFreezing Point: N/AN/AN/AN/APercent Volatiles:Evaporation Rate: N/AReactivity in Water: N/A									
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Appearance/Odor:Physical State:Solubility in Water:White solid with no odor.SolidInsolubleBoiling Point:Specific Gravity (HO=1)Melting Point:N/A0.90-1.20350 °FVapor Pressure:Vapor Density (Air=1)Freezing Point:N/AN/AN/APercent Volatiles:Evaporation Rate:Reactivity in Water:N/AN/ANone	There are no recognized ha	zards associated	l with normal use of t	his product.					
White solid with no odor.SolidInsolubleBoiling Point:Specific Gravity (HO=1)Melting Point:N/A0.90-1.20350 °FVapor Pressure:Vapor Density (Air=1)Freezing Point:N/AN/AN/APercent Volatiles:Evaporation Rate:Reactivity in Water:N/AN/ANone		SECTION	3 – PHYSICAL &	& CHEMI	CAL CHAR	ACTERISTIC	CS		
Winte solid with ho odor. Specific Gravity (HO=1) Melting Point: Boiling Point: 0.90-1.20 350 °F Vapor Pressure: Vapor Density (Air=1) Freezing Point: N/A N/A N/A Percent Volatiles: Evaporation Rate: Reactivity in Water: N/A N/A None	Appearance/Odor:				So	ubility in Water:			
N/A0.90-1.20350 °FVapor Pressure:Vapor Density (Air=1)Freezing Point:N/AN/AN/APercent Volatiles:Evaporation Rate:Reactivity in Water:N/AN/ANone			Solid		In	Insoluble			
Vapor Pressure: Vapor Density (Air=1) Freezing Point: N/A N/A N/A Percent Volatiles: Evaporation Rate: Reactivity in Water: N/A N/A None									
N/AN/APercent Volatiles:Evaporation Rate:N/AN/AN/ANone									
Percent Volatiles: Evaporation Rate: Reactivity in Water: N/A None									
N/A N/A None									
						•			
N/A N/A N/A									

SECTION 4- FIRE & EXPLOSION HAZARD DATA					
Flash Point: N/A	Flammable Limits (in air): LEL: N/A UEL: N/A				
Extinguishing Media: Dry chemical and CO ² can also be used.	Fire Fighting Procedures: Firefighters should wear full protective clothing including self-contained breathing apparatus to prevent inhalation of smoke and decomposition products.				
Hazardous Decomposition Products: In the event of combustion, carbon dioxide, smoke, methane, propane, and other decomposition products may be released.	Special Fire & Explosion Hazards: None				
Method Used: Auto-Ignition Temperature: Estimate based on flash point of most volatile component. 600-770°F					
SECTION- 5 HEAL	TH HAZARD DATA				
Permissible Exposure Limit: N/A Effects of Overexposure: Toxic fumes may be released during fire. Exposure to fumes may aggravate pre-existing eye, lung, and skin conditions. Acute:	Signs and Symptoms of Exposure: Under normal conditions of use, this product will not release or otherwise result in exposure to hazardous chemicals.				
N/A Chronic: N/A	IARC, NTP, and OSHA do not list this product as a carcinogen.				
Emergency & First Aid Procedures: Eye Contact: Can cause irritation, redness, tearing, blurred vision. Skin Contact: Not normally hazardous Inhalation: Not normally hazardous unless at elevated temperatures. Remove to fresh air. Ingestion: Induce vomiting. Consult a Physician Primary Route of Entry: None					
SECTION	6 – REACTIVITY DATA				
Stability: Stable Hazardous Decomposition Products: Carbon monoxide, methane, propane, aldehydes and other organic matter may be released during a fire. Conditions to Avoid:	Incompatibility: None Hazardous Polymerization: Will not occur				
SECTION 7 - SPILL OR LEAK PROCEDURES Steps to be taken in case material is released or spilled:					
Small spill: Scoop or shovel material into sealed containers. Large Spill: Same as small spill. Waste Disposal Method: If this product becomes a waster it does not meet the criteria of a	a bazardous waste as defined under DCDA 40CED261 Dispase				
If this product becomes a waste, it does not meet the criteria of a hazardous waste as defined under RCRA 40CFR261. Dispose of in accordance with local, state, and federal regulations.					

Respiratory Protection:	Eye Protection:
NA	Safety glasses with side shields recommended.
Protective Gloves:	Other Protective Equipment:
Not Required	None required under normal installation conditions.

Ventilation:

No respirator needed.

SECTION 9 – SPECIAL PRECAUTIONS OR OTHER COMMENTS

Storage/Handling: Store in cool, dry, well ventilated facility.

Other Precautions: Store material in original shipping packaging.

Work/Hygenic Practices:

Maintain good personal hygiene practices. Product is easily removed with waterless hand cleaner followed by washing with soap and water.

SECTION 10 - TRANSPORTATION				
Regulatory Agency: Not Regulated. All components are included in the EPA Toxic Substance Control Act (TSCA) Chemical Substance Inventory	Identification Number: Not Applicable			
Proper Shipping Name: Not Applicable	Labels Required: Not Applicable			
Hazard Classification: EPA SARA Title III hazard class (40CFR370): None EPA SARA Title III Section 313 (40CFR372): None EPA SARA Title III (40CFR355): There are no components present in this product at a level which would require reporting.	Other Requirements: Not Applicable			

SECTION 11 – MISCELLANEOUS INFORMATION

Additional Comments:

None

Date of Previous MSDS: October 10, 2006

Changes Since Previous MSDS:

Comment change in sections: 1 thru 9

Add sections: 10,11

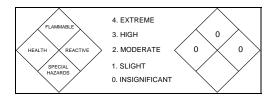
Telephone Number for Additional Information:

(574) 293-9096

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MATERIAL SAFETY DATA SHEET ROOFING PRODUCTS INTERNATIONAL, INC. MSDS 305 RPI RE-FLEX TPO PIPE BOOT HW (Heat Weld)



SECTION 1 – PRODUCT IDENTIFICATION								
Product Name: RPI Re-Flexe TPO PIP	E BOOT HW			rgency Telephone 1 9300 CHEM				
Chemical Name/Synonyms:	Product Code:		Manufacturer	's Name:				
Thermo Plastic Olifin	ТРВ		Roofing l	Products Inte	rnational, Inc.			
Chemical Family:			Manufacturer					
Mixture					art, IN 46517-1	078		
Chemical Formula:				ute Hazard Rating:				
N/A					bility 0, Reactivity 0			
				Hazard Rating:				
			Health 0,	Flammabilit	y 0, Reactivity 0)		
	SECTI	ON 2 – CHEMIC	AL COM	POSITION				
Ingredient Components (chemical		% wt or % vol	Case No.	% wt or % vol	OSHA STEL	OSHA PEL	ACGIH	
Hazardous Components 1						ACGIH	TLV	
Carcinogens 0.1% or grea	ater:							
			-					
Solids (by weight)								
Non-Hazardous Ingredients100								
Total		100						
There are no recognized h	nazards associated	l with normal use of t	this product.					
	SECTION	N 3 – PHYSICAL	& CHEMI	ICAL CHAR	ACTERISTIC	CS		
Appearance/Odor:		Physical State:		Sol	ubility in Water:			
White solid with no odor.		Solid			Insoluble			
Boiling Point:		Specific Gravity (HO=1)		Me	Melting Point:			
N/A		0.90-1.20		35	350 °F			
Vapor Pressure:	Vapor Density (Air=1)			Freezing Point:				
N/A	N/A		N/	N/A				
Percent Volatiles:	1			activity in Water:				
N/A		N/A			None			
pH (Full Strength)		pH (Recommended Dilution):			Refraction Index:			
N/A		N/A		N/	A			

SECTION 4- FIRE & EXPLOSION HAZARD DATA				
Flash Point:	Flammable Limits (in air):			
N/A Extinguishing Modia	LEL: N/A UEL: N/A			
Extinguishing Media: Dry chemical and CO ² can also be used.	Fire Fighting Procedures: Firefighters should wear full protective clothing including self-contained breathing apparatus to prevent inhalation of smoke and decomposition products.			
Hazardous Decomposition Products: In the event of combustion, carbon dioxide, smoke, methane, propane, and other decomposition products may be released.	Special Fire & Explosion Hazards: None			
Method Used: Auto-Ignition Temperature: Estimate based on flash point of most volatile component. 600-770°F				
SECTION- 5 HEAL	ГН HAZARD DATA			
Permissible Exposure Limit: N/A	Signs and Symptoms of Exposure: Under normal conditions of use, this product will not release or otherwise result in exposure to hazardous chemicals.			
Effects of Overexposure: Toxic fumes may be released during fire. Exposure to fumes may aggravate pre-existing eye, lung, and skin conditions.	or other while result in exposure to nuzur doub chemicular			
Acute: N/A	Carcinogenicity: IARC, NTP, and OSHA do not list this product as a			
Chronic: N/A	carcinogen.			
Emergency & First Aid Procedures: Eye Contact: Can cause irritation, redness, tearing, blurred vision. Skin Contact: Not normally hazardous Inhalation: Not normally hazardous unless at elevated temperatures. Remove to fresh air. Ingestion: Induce vomiting. Consult a Physician Primary Route of Entry: None				
SECTION	6 – REACTIVITY DATA			
Stability: Stable	Incompatibility: None			
Hazardous Decomposition Products: Carbon monoxide, methane, propane, aldehydes and other organic matter may be released during a fire.	Hazardous Polymerization: Will not occur			
Conditions to Avoid: N/A				
SECTION 7 - SPILL OR LEAK PROCEDURES				
Steps to be taken in case material is released or spilled: Small spill: Scoop or shovel material into sealed containers. Large Spill: Same as small spill. Waste Disposal Method:				
If this product becomes a waste, it does not meet the criteria of a of in accordance with local, state, and federal regulations.	hazardous waste as defined under RCRA 40CFR261. Dispose			

Respiratory Protection:	Eye Protection:
NA	Safety glasses with side shields recommended.
Protective Gloves:	Other Protective Equipment:
Not Required	None required under normal installation conditions.
Ventilation:	

No respirator needed.

SECTION 9 – SPECIAL PRECAUTIONS OR OTHER COMMENTS

Storage/Handling: Store in cool, dry, well ventilated facility.

Other Precautions: Store material in original shipping packaging.

Work/Hygenic Practices:

Maintain good personal hygiene practices. Product is easily removed with waterless hand cleaner followed by washing with soap and water.

SECTION 10 - TRANSPORTATION				
Regulatory Agency: Not Regulated. All components are included in the EPA Toxic Substance Control Act (TSCA) Chemical Substance Inventory	Identification Number: Not Applicable			
Proper Shipping Name: Not Applicable	Labels Required: Not Applicable			
Hazard Classification: EPA SARA Title III hazard class (40CFR370): None EPA SARA Title III Section 313 (40CFR372): None EPA SARA Title III (40CFR355): There are no components present in this product at a level which would require reporting.	Other Requirements: Not Applicable			

SECTION 11 – MISCELLANEOUS INFORMATION

Additional Comments:

None

Date of Previous MSDS:

October 10, 2006

Changes Since Previous MSDS: Comment change in sections: 1 thru 9

Add sections: 10,11

Telephone Number for Additional Information:

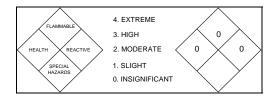
(574) 293-9096

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MATERIAL SAFETY DATA SHEET ROOFING PRODUCTS INTERNATIONAL, INC.

MSDS 306 RPI RE-FLEX TPO INSIDE CORNER HW (HEAT WELD)



SECTION 1 – PRODUCT IDENTIFICATION								
Product Name: RPI Re-Flex TPO INSIDE CORNER HW (Heat Weld)		24 Hour Emergency Telephone Number: 800-424-9300 CHEMTREC						
Chemical Name/Synonyms:	Product Code:		Manufacturer	's Name:				
Thermo Plastic Olifin	TIC				rnational, Inc.			
Chemical Family:			Manufacturer					
Mixture				57460 Dewitt St., Elkhart, IN 46517-1078				
Chemical Formula:				NFPA Acute Hazard Rating: Health 0, Flammability 0, Reactivity 0				
N/A				Hazard Rating:	y 0, Reactivity ()		
					y 0, Reactivity (h		
					y 0, Keactivity	J		
	SECTI	ON 2 – CHEMIC	CAL COME	POSITION				
Ingredient Components (chemical n Hazardous Components 19 Carcinogens 0.1% or great	% or greater;	% wt or % vol	Case No.	% wt or % vol	OSHA STEL	OSHA PEL ACGIH	ACGIH TLV	
Solids (by weight)								
Non-Hazardous Ingredie	ents	100						
Total		100	-					
There are no recognized ha	azards associated	l with normal use of	this product.					
	SECTION	N 3 – PHYSICAL	& CHEMI	ICAL CHAR	RACTERISTI	CS		
Appearance/Odor:		Physical State:		Sol	Solubility in Water:			
White solid with no odor.		Solid		In	Insoluble			
Boiling Point:		Specific Gravity (HO=1)			Melting Point:			
N/A		0.90-1.20			350 °F			
Vapor Pressure:		Vapor Density (Air=1)			Freezing Point:			
N/A Percent Volatiles:	N/A			N/A				
N/A		Evaporation Rate: N/A			Reactivity in Water:			
pH (Full Strength)		pH (Recommended Dilution):			None Refraction Index:			
N/A		N/A			N/A			
1 11 A		+ V + =		11	**			

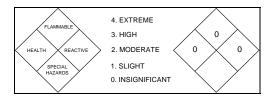
SECTION 4- FIRE & EXPLOSION HAZARD DATA				
Flash Point:	Flammable Limits (in air):			
N/A Extinguishing Media:	LEL: N/A UEL: N/A Fire Fighting Procedures:			
Dry chemical and CO ² can also be used.	Firefighters should wear full protective clothing including self-contained breathing apparatus to prevent inhalation of smoke and decomposition products.			
Hazardous Decomposition Products:	Special Fire & Explosion Hazards:			
In the event of combustion, carbon dioxide, smoke, methane, propane, and other decomposition products may be released.	None			
Method Used: Estimate based on flash point of most volatile component.	Auto-Ignition Temperature: 600-770°F			
SECTION- 5 HEAL	TH HAZARD DATA			
Permissible Exposure Limit:	Signs and Symptoms of Exposure:			
N/A				
Effects of Overexposure: Toxic fumes may be released during fire. Exposure to fumes may aggravate pre-existing eye, lung, and skin conditions .	Under normal conditions of use, this product will not release or otherwise result in exposure to hazardous chemicals.			
Acute: N/A	Carcinogenicity: IARC, NTP, and OSHA do not list this product as a			
N/A Chronic:	carcinogen.			
N/A				
Emergency & First Aid Procedures: Eye Contact:				
Can cause irritation, redness, tearing, blurred vision. Skin Contact:				
Not normally hazardous				
Inhalation: Not normally hazardous unless at elevated temperatures. Remo	ve to fresh air.			
Ingestion: Induce vomiting. Consult a Physician				
Primary Route of Entry: None				
SECTION	6 – REACTIVITY DATA			
Stability:	Incompatibility:			
Stable	None			
Hazardous Decomposition Products:	Hazardous Polymerization:			
Carbon monoxide, methane, propane, aldehydes and other organic matter may be released during a fire.	Will not occur			
Conditions to Avoid:	1			
N/A				
SECTION 7 - SPILL O	R LEAK PROCEDURES			
Steps to be taken in case material is released or spilled: Small spill:				
Small spill: Scoop or shovel material into sealed containers.				
Large Spill:				
Same as small spill.				
Waste Disposal Method: If this product becomes a waste, it does not meet the criteria of a hazardous waste as defined under RCRA 40CFR261. Dispose				
of in accordance with local, state, and federal regulations.				
, , , ,				

SECTION 8 – SPECIAL PROTECTION			
Respiratory Protection:	Eye Protection:		
NA	Safety glasses with side shields recommended.		
Protective Gloves:	Other Protective Equipment:		
Not Required	None required under normal installation conditions.		
Ventilation:			
No respirator needed.			
SECTION 9 – SPECIAL PRECAU	TIONS OR OTHER COMMENTS		
Storage/Handling: Store in cool, dry, well ventilated facility.			
Other Precautions:			
Store material in original shipping packaging.			
Work/Hygenic Practices:			
Maintain good personal hygiene practices. Product is easily remo	ved with waterless hand cleaner followed by washing with soap		
and water.			
SECTION 10 - TR	ANSPORTATION		
Regulatory Agency:	Identification Number:		
Not Regulated. All components are included in the EPA Toxic	Not Applicable		
Substance Control Act (TSCA) Chemical Substance Inventory			
Proper Shipping Name:	Labels Required:		
Not Applicable	Not Applicable		
Hazard Classification:	Other Requirements:		
EPA SARA Title III hazard class (40CFR370): None	Not Applicable		
EPA SARA Title III Section 313 (40CFR372): None			
EPA SARA Title III (40CFR355): There are no components			
present in this product at a level which would require reporting.			
SECTION 11 – MISCELLA	ANEOUS INFORMATION		
Additional Comments:			
None			
Date of Previous MSDS:			
October 10, 2006			
Changes Since Previous MSDS:			
Comment change in sections: 1 thru 9			
Add sections: 10,11 Telephone Number for Additional Information:			
(574) 293-9096			
DISCL	AIMER		
The information contained herein is based on data conside	ered accurate which has been obtained from other		
companies and organizations. However, no warranty or re	presentation is expressed or implied that the information		
is accurate, complete, or representative. Roofing Products			

the buyer, the buyer's employees, or any third persons if reasonable safety procedures are not followed.

MATERIAL SAFETY DATA SHEET ROOFING PRODUCTS INTERNATIONAL, INC. MSDS 307 RPI RE-FLEX TPO COVER TAPE

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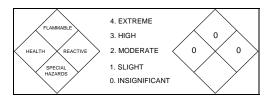
SEC	CTION 1 – PRODU	ICT IDENTI	FICATION		
Product Name: RPI Re-Flex TPO Cover Tape		-	ency Telephone Number: 00 CHEMTREC		
Chemical Name/Synonyms: Product Co	ode:		Manufacturer's Name:		
	/TCT5050		Roofing Products International, Inc.		
Chemical Family:		Manufacturer's Address:			
Mixture		57460 Dewitt St., Elkhart, IN 46517-1078 NFPA Acute Hazard Rating:			
Chemical Formula: N/A			izard Rating: lammability 0, R	opetivity A	
IN/A		HMIS Acute Ha		eactivity 0	
			lammability 0, R	eactivity 0	
SEC	ΓΙΟΝ 2 – CHEMIO	CAL COMPC	DSITION		
Ingredient Components (chemical names)	% wt or % vol	Case No.	OSHA STEL	OSHA PEL	ACGIH
Hazardous Components 1% or greater;				ACGIH	TLV
Carcinogens 0.1% or greater:					
Calcium Carbonate	minimal	N/A	N/A	5 mg/m3	10 mg/m3
Titanium Dioxide	minimal	N/A	N/A	<u>5 mg/m3</u>	10 mg/m3
Solids (by weight)					
Non-Hazardous Ingredients	100				
Total	100				
There are no recognized hazards associa Calcium Carbonate and Titanium Dioxide a hazards of the dry chemicals.			ed in the polymer ar	nd do not neccessar	ily reflect the
SECTIO	DN 3 – PHYSICAL	& CHEMIC	AL CHARACT	TERISTICS	
Appearance/Odor:	Physical State:		Solubility i	n Water:	
White solid with white tacky backing, no odo			Insoluble		
Boiling Point:	Specific Gravity (HO=1)		Melting Po	int:	
N/A Vapor Pressure:	0.90-1.20 Vapor Density (Air=1)		350 °F Freezing Po	vint:	
N/A	N/A		N/A	/iiii.	
Percent Volatiles:	Evaporation Rate:		Reactivity i	n Water:	
N/A	N/A		None		
pH (Full Strength)					
N/A	N/A		N/A		

SECTION 4- FIRE & EXPLOSION HAZARD DATA			
Flash Point:	Flammable Limits (in air):		
>200°C	LEL: N/A UEL: N/A		
Extinguishing Media: Dry chemical and CO ² can also be used.	Fire Fighting Procedures: Firefighters should wear full protective clothing including self-contained breathing apparatus to prevent inhalation of smoke and decomposition products. .		
Hazardous Decomposition Products:	Special Fire & Explosion Hazards:		
In the event of combustion, carbon dioxide, smoke, methane, propane, and other decomposition products may be released.	None		
Method Used: Estimate based on flash point of most volatile component.	Auto-Ignition Temperature: 600-770°F		
SECTION- 5 HEALT	TH HAZARD DATA		
	Signs and Symptoms of Exposure:		
Permissible Exposure Limit: N/A Effects of Overexposure: Toxic fumes may be released during fire. Exposure to fumes may aggravate pre-existing eye, lung, and skin conditions.	Under normal conditions of use, this product will not release or otherwise result in exposure to hazardous chemicals.		
Acute:	Carcinogenicity:		
N/A			
Chronic: N/A	IARC, NTP, and OSHA do not list this product as a carcinogen.		
Emergency & First Aid Procedures: Eye Contact: Can cause irritation, redness, tearing, blurred vision. Skin Contact: Not normally hazardous Inhalation: Not normally hazardous unless at elevated temperatures. Remov Ingestion: Induce vomiting. Consult a Physician Primary Route of Entry: None			
SECTION	6 – REACTIVITY DATA		
Stability:	Incompatibility:		
Stable	None		
Hazardous Decomposition Products: Carbon monoxide, methane, propane, aldehydes and other organic matter may be released during a fire.	Hazardous Polymerization: Will not occur		
Conditions to Avoid: N/A			
SECTION 7 - SPILL OF	R LEAK PROCEDURES		
Steps to be taken in case material is released or spilled: Small spill: Scoop or shovel material into sealed containers. Large Spill: Same as small spill. Waste Disposal Method: If this product becomes a waste, it does not meet the criteria of a of in accordance with local, state, and federal regulations.	hazardous waste as defined under RCRA 40CFR261. Dispose		

SECTION 8 – SPECIAL PROTECTION			
Respiratory Protection:	Eye Protection:		
NA	Safety glasses with side shields recommended.		
Protective Gloves:	Other Protective Equipment: None required under normal installation conditions.		
Not Required Ventilation:	None required under normal installation conditions.		
No respirator needed.			
SECTION 9 – SPECIAL PRECAU	TIONS OR OTHER COMMENTS		
Storage/Handling: Store in cool, dry, well ventilated facility.			
Other Precautions: Store material in original shipping packaging.			
Work/Hygenic Practices: Maintain good personal hygiene practices. Product is easily removand water.	ved with waterless hand cleaner followed by washing with soap		
SECTION 10 - TR	ANSPORTATION		
Regulatory Agency:	Identification Number:		
Not Regulated. All components are included in the EPA Toxic Substance Control Act (TSCA) Chemical Substance Inventory	Not Applicable		
Proper Shipping Name: Not Applicable	Labels Required: Not Applicable		
Hazard Classification:	Other Requirements:		
EPA SARA Title III hazard class (40CFR370): None EPA SARA Title III Section 313 (40CFR372): None	Not Applicable		
EPA SARA Title III (40CFR355): There are no components			
present in this product at a level which would require reporting.			
SECTION 11 – MISCELLA	ANEOUS INFORMATION		
Additional Comments:			
None			
Date of Previous MSDS:			
October 10, 2006			
Changes Since Previous MSDS:			
Comment change in sections: 1 thru 9			
Add sections: 10,11			
Telephone Number for Additional Information: (574) 293-9096			
DISCLA	AIMER		
The information contained herein is based on data conside	ered accurate which has been obtained from other		
companies and organizations. However, no warranty or re			
is accurate, complete, or representative. Roofing Products	1 0 0		
the buyer, the buyer's employees, or any third persons if r	easonable safety procedures are not followed.		

MATERIAL SAFETY DATA SHEET ROOFING PRODUCTS INTERNATIONAL, INC. MSDS 308 RPI RE-FLEX TPO OUTSIDE CORNER WITH TAPE

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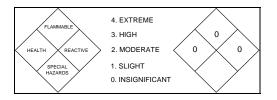
SECTION 1 – PRODUCT IDENTIFICATION					
Product Name: RPI Royal Edge TPO Outside Corner	With Tape	-	ncy Telephone Number: 00 CHEMTREC		
Chemical Name/Synonyms: Product Cod Thermo Plastic Olifin TOCWT	e:		Manufacturer's Name:		
		Roofing Products International, Inc.			
Chemical Family: Mixture		Manufacturer's Address: 57460 Dowitt St. Elkbort IN 46517-1078			
Chemical Formula:		57460 Dewitt St., Elkhart, IN 46517-1078 NFPA Acute Hazard Rating:			
N/A			lammability 0, R	eactivity 0	
		HMIS Acute Ha		•	
		Health 0, F	lammability 0, R	eactivity 0	
SECT	ION 2 – CHEMIC	CAL COMPO	SITION		
Ingredient Components (chemical names)	% wt or % vol	Case No.	OSHA STEL	OSHA PEL	ACGIH
Hazardous Components 1% or greater;				ACGIH	TLV
Carcinogens 0.1% or greater:					
Calcium Carbonate	minimal	N/A	N/A	5 mg/m3	10 mg/m3
Titanium Dioxide	minimal	N/A	N/A	5 mg/m3	10 mg/m3
Solids (by weight)		_			
Non-Hazardous Ingredients	100				
Total	100				
There are no recognized hazards associate Calcium Carbonate and Titanium Dioxide are hazards of the dry chemicals.			ed in the polymer ar	nd do not neccessar	ily reflect the
SECTIO	N 3 – PHYSICAL	& CHEMIC	AL CHARACI	TERISTICS	
Appearance/Odor:	Physical State:		Solubility i	n Water:	
White solid with white tacky backing, no odor.	Solid		Insoluble		
Boiling Point:	Specific Gravity (HO=1)		Melting Po	int:	
N/A Vapor Pressure:	0.90-1.20 Vapor Density (Air=1)		350 ° F Freezing Po	vint:	
N/A	N/A		N/A	/int.	
Percent Volatiles:	Evaporation Rate:		Reactivity i	n Water:	
N/A	N/A		None		
H (Full Strength) pH (Recommended Dilution): Refraction Index:					
N/A	N/A		N/A		

SECTION 4- FIRE & EXPLOSION HAZARD DATA			
Flash Point:	Flammable Limits (in air):		
>200°C	LEL: N/A UEL: N/A		
Extinguishing Media: Dry chemical and CO ² can also be used.	Fire Fighting Procedures: Firefighters should wear full protective clothing including self-contained breathing apparatus to prevent inhalation of smoke and decomposition products. .		
Hazardous Decomposition Products:	Special Fire & Explosion Hazards:		
In the event of combustion, carbon dioxide, smoke, methane, propane, and other decomposition products may be released.	None		
Method Used: Estimate based on flash point of most volatile component.	Auto-Ignition Temperature: 600-770°F		
SECTION- 5 HEALT	TH HAZARD DATA		
	Signs and Symptoms of Exposure:		
Permissible Exposure Limit: N/A Effects of Overexposure: Toxic fumes may be released during fire. Exposure to fumes may aggravate pre-existing eye, lung, and skin conditions.	Under normal conditions of use, this product will not release or otherwise result in exposure to hazardous chemicals.		
Acute:	Carcinogenicity:		
N/A			
Chronic: N/A	IARC, NTP, and OSHA do not list this product as a carcinogen.		
Emergency & First Aid Procedures: Eye Contact: Can cause irritation, redness, tearing, blurred vision. Skin Contact: Not normally hazardous Inhalation: Not normally hazardous unless at elevated temperatures. Remov Ingestion: Induce vomiting. Consult a Physician Primary Route of Entry: None			
SECTION	6 – REACTIVITY DATA		
Stability:	Incompatibility:		
Stable	None		
Hazardous Decomposition Products: Carbon monoxide, methane, propane, aldehydes and other organic matter may be released during a fire.	Hazardous Polymerization: Will not occur		
Conditions to Avoid: N/A			
SECTION 7 - SPILL OF	R LEAK PROCEDURES		
Steps to be taken in case material is released or spilled: Small spill: Scoop or shovel material into sealed containers. Large Spill: Same as small spill. Waste Disposal Method: If this product becomes a waste, it does not meet the criteria of a of in accordance with local, state, and federal regulations.	hazardous waste as defined under RCRA 40CFR261. Dispose		

SECTION 8 – SPECI	IAL PROTECTION
Respiratory Protection:	Eye Protection:
NA	Safety glasses with side shields recommended.
Protective Gloves:	Other Protective Equipment: None required under normal installation conditions.
Not Required Ventilation:	None required under normal instanation conditions.
No respirator needed.	
SECTION 9 – SPECIAL PRECAU	TIONS OR OTHER COMMENTS
Storage/Handling: Store in cool, dry, well ventilated facility.	
Other Precautions: Store material in original shipping packaging .	
Work/Hygenic Practices:	
Maintain good personal hygiene practices. Product is easily remo	ved with waterless hand cleaner followed by washing with soap
and water.	
SECTION 10 - TR	ANSPORTATION
Regulatory Agency:	Identification Number:
Not Regulated. All components are included in the EPA Toxic Substance Control Act (TSCA) Chemical Substance Inventory	Not Applicable
Proper Shipping Name:	Labels Required:
Not Applicable	Not Applicable
Hazard Classification:	Other Requirements:
EPA SARA Title III hazard class (40CFR370): None	Not Applicable
EPA SARA Title III Section 313 (40CFR372): None	
EPA SARA Title III (40CFR355): There are no components	
present in this product at a level which would require reporting.	
SECTION 11 – MISCELLA	ANEOUS INFORMATION
Additional Comments:	
None	
Date of Previous MSDS:	
October 10, 2006	
Changes Since Previous MSDS:	
Comment change in sections: 1 thru 9	
Add sections: 10,11 Telephone Number for Additional Information:	
(574) 293-9096	
DISCLA	AIMER
The information contained herein is based on data conside	ered accurate which has been obtained from other
companies and organizations. However, no warranty or re	
is accurate, complete, or representative. Roofing Products	
	1 1 1
the buyer, the buyer's employees, or any third persons if r	easonable safety procedures are not followed.

MATERIAL SAFETY DATA SHEET ROOFING PRODUCTS INTERNATIONAL, INC. MSDS 309 RPI RE-FLEX TPO PIPE BOOT WITH TAPE

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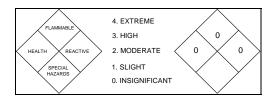
S	ECTION 1 – PRODU	CT IDENTI	FICATION			
Product Name: RPI Royal Edge TPO Pipe Boot V	Vith Tape		ency Telephone Number: 00 CHEMTREC			
	ct Code:	Manufacturer's	Manufacturer's Name:			
Thermo Plastic Olifin TPBW	/T		Roofing Products International, Inc .			
Chemical Family:			Manufacturer's Address:			
Mixture Chemical Formula:			57460 Dewitt St., Elkhart, IN 46517-1078 NFPA Acute Hazard Rating:			
N/A			lammability 0, R	eactivity ()		
		HMIS Acute Ha		cuctivity o		
			lammability 0, R	eactivity 0		
SI	ECTION 2 – CHEMIC	CAL COMPO	OSITION			
Ingredient Components (chemical names) Hazardous Components 1% or great	% wt or % vol	Case No.	OSHA STEL	OSHA PEL ACGIH	ACGIH TLV	
Carcinogens 0.1% or greater:						
Calcium Carbonate	minimal	N/A	N/A	5 mg/m3	10 mg/m3	
Titanium Dioxide	minimal	N/A	N/A	5 mg/m3	10 mg/m3	
Solids (by weight)						
Non-Hazardous Ingredients	100					
Total	100					
There are no recognized hazards asso Calcium Carbonate and Titanium Dioxi hazards of the dry chemicals.			ed in the polymer ar	nd do not neccessar	ily reflect the	
SEC'	ΓΙΟΝ 3 – PHYSICAL	& CHEMIC	AL CHARACT	TERISTICS		
Appearance/Odor:	Physical State:		Solubility i	n Water:		
White solid with white tacky backing, no			Insoluble			
Boiling Point:	Specific Gravity (HO=1)		Melting Po	int:		
N/A	0.90-1.20		350 °F	· · · · ·		
Vapor Pressure: N/A	Vapor Density (Air=1) N/A		Freezing Po N/A	mu.		
Percent Volatiles:	Evaporation Rate:		Reactivity i	n Water:		
N/A	N/Â		None			
pH (Full Strength)	NOIC					
N/A N/A N/A						

Hab Point: Hammable Limits (in art): 2200°C LEL: N/A Laxinguishing Modu: The Tighting Procedures: Dry chemical and CO ² can also be used. First Fighting Procedures: First Fighting Procedures: First Fighting Procedures: From spin to for combustion, carbon dioxide, smoke, methane, propane, and other decomposition products may be released. None Method Use: Special Tire & Explosion Huzards: None Remissible Exposure Limit: None Auto Ignition Temperature: 600-770°F Effect of Overwapsaure: Contentions of use, this product will not release of otherwise result in exposure to hazardous chemicals. Outer wormal conditions of use, this product will not release or otherwise result in exposure to hazardous chemicals. N/A Chemist: NA N/A Carcinogen. Carcinogen. N/A Disorgentibility: None N/A	SECTION 4- FIRE & EXP	LOSION HAZARD DATA
Extingations Media: Pire Fighting Proceedances: Dry chemical and CO ² can also be used. Fire Fighting Proceedances: Hazardous Decomposition Products: Special Tire & Exploring Proceedances: In the event of combustion, carbon dioxide, smoke, methane, propane, and other decomposition products may be released. None Method Used: Special Tire & Exploring Proceedances: None NATO: Special Tire & Exploring Proceedances: None NATO: Special Tire & Exploring Proceedances: None NA Special Tire & Exploring Proceedances: None NA Special Tire & Exploring Proceedances: Cancingenicity: N/A Carcinagenicity: Index on thist this product as a carcinogen. NAA Carcinagenicity: IARC, NTP, and OSHA do not list this product as a carcinogen. NAA Carcinagenicity: IARC, NTP, and OSHA do not list this product as a carcinogen. Not normally hazardous unless at elevated temperatures. Remove		
Dry chemical and CO ² can also be used. Firefighters should wear full protective clothing including self-contained breathing apparatus to prevent inhalation of smoke and decomposition products. Hazardous Decomposition Products: Special Fire & Explosion Hazards. In the event of combustion, carbon dioxide, smoke, methane, propane, and other decomposition products may be released. None Method Used: Estimate based on flash point of most volatile component. Auto-junition Temperature: 600-770°F Intervention Signs and Symptoms of Exposure: Vide normal conditions of use, this product will not release or otherwise result in exposure to hazardous chemicals. NYA Carcinogenisity: N/A N/A LARC, NTP, and OSHA do not list this product as a carcinogen. Progency & First Aid Procedures: Eye Contact: Carcinogenistity: None Nota LARC, NTP, and OSHA do not list this product as a carcinogen. Nota control, Consult a Physician thuman of lange by propose and lange by propose for the set of lange by propose of lange. Nota control, Consult a Physician thus and consult as a carcinogen. Carcinogenisty: NA LARC, NTP, and OSHA do not list this product as a carcinogen. Not normally hazardous unless at elevated temperatures. Remove to fresh air. Ingestion: Incompatibility: None Incompatibility:<		
In the event of combustion, carbon dioxide, smoke, methane, propane, and other decomposition products may be released. None Auto-Ignition Temperature: 600-770° F Estimate based on flash point of most volatile component. 600-770° F SECTION-5 HEALTH HAZARD DATA 600-770° F Permissible Exposure Limit: Material Signs and Symptoms of Exposure: V/A Under normal conditions of use, this product will not release or otherwise result in exposure to hazardous chemicals. MA Under normal conditions of use, this product will not release or otherwise result in exposure to hazardous chemicals. MA Carcinogenicity: MA Carcinogenicity: MA Carcinogenicity: NA Carcinogenicity: Not contact: Not contact: Not normally hazardous unless at elevated temperatures. Remove to fresh air. Incompatibility:		Firefighters should wear full protective clothing including self-contained breathing apparatus to prevent inhalation of
progene, and other decomposition products may be released. Method Used: Estimate based on flash point of most volatile component. None Auto-Ignition Temperature: 600-770°F SECTION- 5 HEALTH HAZARD DATA Permissible Exposure Limit: N/A Signs and Symptoms of Exposure: Under normal conditions of use, this product will not release or otherwise result in exposure to hazardous chemicals. Acture: N/A Carcinogenicity: N/A Chronic: N/A Carcinogenicity: LARC, NTP, and OSHA do not list this product as a carcinogen. Emergency & First Aid Procedures: type Contact: Can cause irritation, redness, tearing, blurred vision. Skin Contact: Not normally hazardous Inductor Carcinogenicity: LARC, NTP, and OSHA do not list this product as a carcinogen. Not ormally hazardous Inductor Interpretation of Exposure: None Interpretation of Exposure: None Stability: None SECTION 6 - REACTIVITY DATA Stability: None Incompatibility: None Hazardous Decomposition Products: Carbon monoxide, methane, propane, aldehydes and other organic matter may be released during a fire. Conditions to Avoid: N/A SECTION 7 - SPILL OR LEAK PROCEDURES Steps to be taken in case material is released or spilled. Sonal spill: Sonal spill. Yeare Disposal Method. Secure Carbon Secure Courses		Special Fire & Explosion Hazards:
Estimate based on flash point of most volatile component. 600-770°F SECTION- 5 HEALTH HAZARD DATA Permissible Exposure Limit: N/A Effects of Overexposure: Signs and Symptoms of Exposure: Toxic fumnes may be released during fire. Exposure to fumes may aggravate pre-existing eye, lung, and skin conditions. Signs and Symptoms of Exposure: N/A Under normal conditions of use, this product will not release or otherwise result in exposure to hazardous chemicals. N/A Carcinogenicity: N/A IARC, NTP, and OSHA do not list this product as a carcinogen. Induction, reducts, tearing, blurred vision. Skin Contact: Not normally hazardous unless at elevated temperatures. Remove to fresh air. Integration: Induce vomiting. Consult a Physician Phinary Route of Entry	propane, and other decomposition products may be released.	None
Permissible Exposure Limit: Signs and Symptoms of Exposure: N/A Effects of Overexposure: Under normal conditions of use, this product will not release or otherwise result in exposure to hazardous chemicals. Acute: N/A Carcinogenicity: N/A Carcinogenicity: IARC, NTP, and OSHA do not list this product as a carcinogen. Emergency & First Aid Procedures: Eye Contact: Carcinogenicity: Can cause irritation, redness, tearing, blurred vision. Kan Contact: Not ontornally hazardous unless at elevated temperatures. Remove to fresh air. Indestion: Indextor of Entry: None None Mazardous Decomposition Products: Carcinogenicity: Stability: Stability: None Hazardous Pochates: Incompatibility: None Hazardous Decomposition Products: Response Will not occur Conditions to Avoid: SECTION 7 - SPILL OR LEAK PROCEDURES Will not occur Steps to be taken in case material is released or spilled: Stopp or shovel material into sealed containers. Large Spill: Stapp: Stapp of the material into sealed containers. Large Spill: Stapp of the material into sealed containers.		
N/A Under normal conditions of use, this product will not release or otherwise result in exposure to hazardous chemicals. Effects of Overexposure: Under normal conditions of use, this product will not release or otherwise result in exposure to hazardous chemicals. Acute: N/A Chronic: IARC, NTP, and OSHA do not list this product as a carcinogen. N/A IARC, NTP, and OSHA do not list this product as a carcinogen. Emergency & First Aid Procedures: Eye Contac: Can cause irritation, redness, tearing, blurred vision. Skin Contac: Not normally hazardous unless at elevated temperatures. Remove to fresh air. Ingestion: Incompatibility: Notace omniting. Consult a Physician Primary Route of Entry: Incompatibility: Stability: Incompatibility: Stability: Stability: Stable Hazardous Polymerization: Corditions to Avoid: SteCTION 7 - SPILL OR LEAK PROCEDURES Steps to be taken in case material is released or spilled: Stangelit: Stangelit: Stangelit: Stangelit: Stangelit: Marke based based based of spilled: Stangelit: Stangelit: Stangelit: Stability: Stangelit: Stability:	SECTION- 5 HEAL	ГН HAZARD DATA
N/A Under normal conditions of use, this product will not release or otherwise result in exposure to hazardous chemicals. Effects of Overexposure: or otherwise result in exposure to hazardous chemicals. may aggravate pre-existing eye, lung, and skin conditions. Carcinogenicity: Acute: N/A Chronic: IARC, NTP, and OSHA do not list this product as a carcinogen. N/A IARC, NTP, and OSHA do not list this product as a carcinogen. N/A Chronic: N/A Carcinogenicity: Not Carcinogenicity: Not contact: Not contact: Not contact: Not contact: Stability: Saconomotic consult a Physician Primary Route of Entry: None Hazardous Decomposition Products: Incompatibility: Carcinogenicity: None	Permissible Exposure Limit:	Signs and Symptoms of Exposure:
Interest on Overexpanse. or otherwise result in exposure to hazardous chemicals. Toxic fummes may be released during fire. Exposure to fumes may aggravate pre-existing eye, lung, and skin conditions. or otherwise result in exposure to hazardous chemicals. Acute: N/A Carcinogenicity: NA LARC, NTP, and OSHA do not list this product as a carcinogen. N/A LARC, NTP, and OSHA do not list this product as a carcinogen. Emergency & First Aid Procedures: Eye Contact: Can cause irritation, redness, tearing, blurred vision. Skin Contact: Not normally hazardous unless at elevated temperatures. Remove to fresh air. Ingestion: Induce vomiting. Consult a Physician Primary Route of Entry: None Stability: Incompatibility: Nable Incompatibility: Stable None Hazardous Decomposition Products: None Carbon monoxide, methane, propane, aldehydes and other organic matter may be released during a fire. Will not occur Conditions to Avoid: N/A Steps to be taken in case material is released or spilled: Small spill. Stand as as anall spill. Yase Disposal Method:		
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Chronic: NA IARC, NTP, and OSHA do not list this product as a carcinogen. Emergency & First Aid Procedures: Eye Contact: carcinogen. Can cause irritation, redness, tearing, blurred vision. Skin Contact: Not normally hazardous Inhalation: Not normally hazardous unless at elevated temperatures. Remove to fresh air. Ingestion: Induce vomiting. Consult a Physician Primary Route of Entry: None Stability: Incompatibility: None Stability: Incompatibility: None Stability: Incompatibility: Hazardous Polymerization: Conditions to Avoid: N/A Will not occur Steps to be taken in case material is released or spilled: Steps to be taken in case material is released containers. Large Spill: Steps and Rethod: Steps and Method:		Carcinogenicity:
Emergency & First Aid Procedures: Eye Contact: Eye Contact: Not normally hazardous Inhalation: Not normally hazardous unless at elevated temperatures. Remove to fresh air. Ingestion: Induce vomiting. Consult a Physician Primary Route of Entry: None Stabile Hazardous Decomposition Products: Carbon monoxide, methane, propane, aldehydes and other organic matter may be released during a fire. Conditions to Avoid: NA Steps to be taken in case material is released or spilled: Small spill: Stopp or shovel material into sealed containers. Large Spill: Stapsed Method:	Chronic:	•
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Stable None Hazardous Decomposition Products: Hazardous Polymerization: Carbon monoxide, methane, propane, aldehydes and other organic matter may be released during a fire. Hazardous Polymerization: Conditions to Avoid: Will not occur N/A SECTION 7 - SPILL OR LEAK PROCEDURES Steps to be taken in case material is released or spilled: Small spill: Scoop or shovel material into sealed containers. Large Spill: Same as small spill. Waste Disposal Method:	SECTION	6 – REACTIVITY DATA
Hazardous Decomposition Products: Carbon monoxide, methane, propane, aldehydes and other organic matter may be released during a fire. Conditions to Avoid: N/A SECTION 7 - SPILL OR LEAK PROCEDURES Steps to be taken in case material is released or spilled: Small spill: Scoop or shovel material into sealed containers. Large Spill: Same as small spill. Waste Disposal Method:		
organic matter may be released during a fire. Will not occur Conditions to Avoid: N/A SECTION 7 - SPILL OR LEAK PROCEDURES Steps to be taken in case material is released or spilled: Small spill: Scoop or shovel material into sealed containers. Large Spill: Same as small spill. Waste Disposal Method:	Hazardous Decomposition Products:	
Conditions to Avoid: N/A Steps to be taken in case material is released or spilled: Small spill: Scoop or shovel material into sealed containers. Large Spill: Same as small spill. Waste Disposal Method:		Will not occur
N/A Steps to be taken in case material is released or spilled: Small spill: Scoop or shovel material into sealed containers. Large Spill: Same as small spill. Waste Disposal Method:	S . S	will not occur
Steps to be taken in case material is released or spilled: Small spill: Scoop or shovel material into sealed containers. Large Spill: Same as small spill. Waste Disposal Method:		
Small spill: Scoop or shovel material into sealed containers. Large Spill: Same as small spill. Waste Disposal Method:	SECTION 7 - SPILL OF	R LEAK PROCEDURES
Scoop or shovel material into sealed containers. Large Spill: Same as small spill. Waste Disposal Method:		
Large Spill: Same as small spill. Waste Disposal Method:		
Waste Disposal Method:	Large Spill:	
	•	
of in accordance with local, state, and federal regulations.	If this product becomes a waste, it does not meet the criteria of a	hazardous waste as defined under RCRA 40CFR261. Dispose

SECTION 8 – SPECIAL PROTECTION				
Respiratory Protection: NA	Eye Protection: Safety glasses with side shields recommended.			
Protective Gloves: Not Required	Other Protective Equipment: None required under normal installation conditions.			
Ventilation: No respirator needed.	Tone required under normal installation conditions			
SECTION 9 – SPECIAL PRECAU	TIONS OR OTHER COMMENTS			
Storage/Handling: Store in cool, dry, well ventilated facility.				
Other Precautions: Store material in original shipping packaging.				
Work/Hygenic Practices: Maintain good personal hygiene practices. Product is easily remo and water.	ved with waterless hand cleaner followed by washing with soap			
SECTION 10 - TR	ANSPORTATION			
Regulatory Agency: Not Regulated. All components are included in the EPA Toxic Substance Control Act (TSCA) Chemical Substance Inventory	Identification Number: Not Applicable			
Proper Shipping Name: Not Applicable	Labels Required: Not Applicable			
Hazard Classification: EPA SARA Title III hazard class (40CFR370): None EPA SARA Title III Section 313 (40CFR372): None EPA SARA Title III (40CFR355): There are no components present in this product at a level which would require reporting.	Other Requirements: Not Applicable			
SECTION 11 – MISCELLA	ANEOUS INFORMATION			
Additional Comments: None Date of Previous MSDS: October 10, 2006 Changes Since Previous MSDS: Comment change in sections: 1 thru 9 Add sections: 10,11 Telephone Number for Additional Information: (574) 293-9096				
DISCL	AIMER			
The information contained herein is based on data consider companies and organizations. However, no warranty or re- is accurate, complete, or representative. Roofing Products the buyer, the buyer's employees, or any third persons if r	presentation is expressed or implied that the information International, Inc. assumes no responsibility for injury to			

MATERIAL SAFETY DATA SHEET ROOFING PRODUCTS INTERNATIONAL, INC. MSDS 310 RPI RE-FLEX TPO SEAM TAPE

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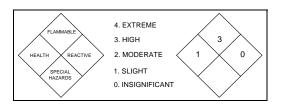


	SECTIO.	N 1 – PRODU	JCT IDENTI	FICATION		
Product Name: RPI RPI Re-Flex TPO Seam	п Таре			ency Telephone Number: 00 CHEMTREC		
Chemical Name/Synonyms: Thermo Plastic Olifin	Product Code: TST3100			Manufacturer's Name:		
	1515100			Roofing Products International, Inc. Manufacturer's Address:		
Chemical Family: Mixture				Manufacturer's Address: 57460 Dewitt St., Elkhart, IN 46517-1078		
Chemical Formula:				S7400 Dewitt St., Elknart, IN 40517-1078 NFPA Acute Hazard Rating:		
N/A				lammability 0, R	eactivity 0	
			HMIS Acute Ha	• /	<i>J</i>	
				lammability 0, R	eactivity 0	
	SECTION	2 – CHEMI	CAL COMPO	OSITION		
Ingredient Components (chemical names Hazardous Components 1% or		% wt or % vol	Case No.	OSHA STEL	OSHA PEL ACGIH	ACGIH TLV
Carcinogens 0.1% or greater:						
Calcium Carbonate		minimal	N/A	N/A	5 mg/m3	10 mg/m3
Titanium Dioxide		minimal	N/A	N/A	<u>5 mg/m3</u>	10 mg/m3
Solids (by weight)						
Non-Hazardous Ingredients		100				
		100				
Total						
Total There are no recognized hazare Calcium Carbonate and Titanium hazards of the dry chemicals.				ed in the polymer an	d do not neccessar	ily reflect the
There are no recognized hazare Calcium Carbonate and Titanium hazards of the dry chemicals.	n Dioxide are pre	sent however, the	ey are encapsulate	ed in the polymer an		ily reflect the
There are no recognized hazare Calcium Carbonate and Titanium hazards of the dry chemicals.	n Dioxide are pres	sent however, the – PHYSICAI vsical State:	ey are encapsulate	AL CHARACT	ERISTICS	ily reflect the
There are no recognized hazare Calcium Carbonate and Titanium hazards of the dry chemicals. Appearance/Odor: White, solid and tacky with no odd	SECTION 3 or.	sent however, the – PHYSICAI ysical State: lid	ey are encapsulate	AL CHARACT Solubility in Insoluble	TERISTICS	ily reflect the
There are no recognized hazare Calcium Carbonate and Titanium hazards of the dry chemicals. Appearance/Odor: White, solid and tacky with no odd Boiling Point:	SECTION 3 Phy or. Spectrology (1) Spectrology (1) Spe	sent however, the – PHYSICAI ysical State: lid ecific Gravity (HO=1	ey are encapsulate	AL CHARACT Solubility in Insoluble Melting Poi	TERISTICS	ily reflect the
There are no recognized hazare Calcium Carbonate and Titanium hazards of the dry chemicals. Appearance/Odor: White, solid and tacky with no odd Boiling Point: N/A	SECTION 3 Phy pr. So Spe 0.9	sent however, the – PHYSICAI ysical State: lid ecific Gravity (HO=1 90-1.20	ey are encapsulate	AL CHARACT Solubility in Insoluble Melting Poi 350 °F	TERISTICS	ily reflect the
There are no recognized hazare Calcium Carbonate and Titanium hazards of the dry chemicals. Appearance/Odor: White, solid and tacky with no odd Boiling Point: N/A Vapor Pressure:	sECTION 3 Phy pr. So 0.5 Vaj	sent however, the – PHYSICAI ysical State: lid ecific Gravity (HO=1 90-1.20 por Density (Air=1)	ey are encapsulate	AL CHARACT Solubility in Insoluble Melting Poi 350 °F Freezing Poi	TERISTICS	ily reflect the
There are no recognized hazare Calcium Carbonate and Titanium hazards of the dry chemicals. Appearance/Odor: White, solid and tacky with no odd Boiling Point: N/A	sECTION 3 Phy pr. So 0.5 Vaj N/2	sent however, the - PHYSICAI ysical State: lid ecific Gravity (HO=1) 00-1.20 por Density (Air=1) A	ey are encapsulate	AL CHARACT Solubility in Insoluble Melting Poi 350 °F Freezing Po N/A	TERISTICS	ily reflect the
There are no recognized hazard Calcium Carbonate and Titanium hazards of the dry chemicals. Appearance/Odor: White, solid and tacky with no odd Boiling Point: N/A Vapor Pressure: N/A	sECTION 3 Phy pr. So 0.5 Vaj N/2	sent however, the - PHYSICAI ysical State: lid ceific Gravity (HO=1) por Density (Air=1) A aporation Rate:	ey are encapsulate	AL CHARACT Solubility ir Insoluble Melting Poi 350 °F Freezing Po N/A Reactivity i	TERISTICS	ily reflect the
There are no recognized hazare Calcium Carbonate and Titanium hazards of the dry chemicals. Appearance/Odor: White, solid and tacky with no odd Boiling Point: N/A Vapor Pressure: N/A Percent Volatiles:	sECTION 3 Phy or. So 0.3 Vaj N/2 Eva N/2	sent however, the - PHYSICAI ysical State: lid ceific Gravity (HO=1) por Density (Air=1) A aporation Rate:	ey are encapsulate	AL CHARACT Solubility in Insoluble Melting Poi 350 °F Freezing Po N/A	TERISTICS	ily reflect the

SECTION 4- FIRE & EXPLOSION HAZARD DATA		
Flash Point:	Flammable Limits (in air):	
>200°C	LEL: N/A UEL: N/A	
Extinguishing Media: Dry chemical and CO ² can also be used.	Fire Fighting Procedures: Firefighters should wear full protective clothing including self-contained breathing apparatus to prevent inhalation of	
	smoke and decomposition products.	
Hazardous Decomposition Products:	Special Fire & Explosion Hazards:	
In the event of combustion, carbon dioxide, smoke, methane,	N	
propane, and other decomposition products may be released.	None	
Method Used: Estimate based on flash point of most volatile component.	Auto-Ignition Temperature: 600-770°F	
SECTION- 5 HEALTH HAZARD DATA		
Permissible Exposure Limit:	Signs and Symptoms of Exposure:	
N/A		
Effects of Overexposure:	Under normal conditions of use, this product will not release	
Toxic fumes may be released during fire. Exposure to fumes	or otherwise result in exposure to hazardous chemicals.	
may aggravate pre-existing eye, lung, and skin conditions.		
Acute:	Carcinogenicity:	
N/A		
Chronic:	IARC, NTP, and OSHA do not list this product as a	
N/A	carcinogen.	
Emergency & First Aid Procedures: Eye Contact:		
Can cause irritation, redness, tearing, blurred vision.		
Not normally hazardous		
Inhalation:		
Not normally hazardous unless at elevated temperatures. Remov	ve to fresh air.	
Ingestion: Induce vomiting. Consult a Physician		
Primary Route of Entry:		
None		
SECTION	6 – REACTIVITY DATA	
Stability:	Incompatibility:	
Stable	None	
Hazardous Decomposition Products:	Hazardous Polymerization:	
Carbon monoxide, methane, propane, aldehydes and other	Will not occur	
organic matter may be released during a fire.	will not occur	
Conditions to Avoid: N/A		
SECTION 7 - SPILL OR LEAK PROCEDURES		
Steps to be taken in case material is released or spilled:		
Small spill:		
Scoop or shovel material into sealed containers.		
Large Spill: Same as small spill.		
Waste Disposal Method:		
If this product becomes a waste, it does not meet the criteria of a hazardous waste as defined under RCRA 40CFR261. Dispose		
of in accordance with local, state, and federal regulations.		

SECTION 8 – SPECIAL PROTECTION		
Respiratory Protection:	Eye Protection:	
NA	Safety glasses with side shields recommended.	
Protective Gloves:	Other Protective Equipment:	
Not Required Ventilation:	None required under normal installation conditions.	
No respirator needed.		
SECTION 9 – SPECIAL PRECAU	TIONS OR OTHER COMMENTS	
Storage/Handling: Store in cool, dry, well ventilated facility.		
Other Precautions: Store material in original shipping packaging.		
Work/Hygenic Practices: Maintain good personal hygiene practices. Product is easily remo and water.	ved with waterless hand cleaner followed by washing with soap	
SECTION 10 - TR	ANSPORTATION	
Regulatory Agency: Not Regulated. All components are included in the EPA Toxic Substance Control Act (TSCA) Chemical Substance Inventory	Identification Number: Not Applicable	
Proper Shipping Name: Not Applicable	Labels Required: Not Applicable	
Hazard Classification: EPA SARA Title III hazard class (40CFR370): None EPA SARA Title III Section 313 (40CFR372): None EPA SARA Title III (40CFR355): There are no components present in this product at a level which would require reporting.	Other Requirements: Not Applicable	
SECTION 11 – MISCELLA	ANEOUS INFORMATION	
Additional Comments: None Date of Previous MSDS: October 10, 2006 Changes Since Previous MSDS: Comment change in sections: 1 thru 9 Add sections: 10,11 Telephone Number for Additional Information: (574) 293-9096		
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MATERIAL SAFETY DATA SHEET ROOFING PRODUCTS INTERNATIONAL, INC. MSDS 311 RPI RE-FLEX TPO PRIMER/ACTIVATOR



	SE	CTION 1 – PRODU	UCT II	DENTIFICA	ΓΙΟΝ	
Product Name: RPI R-Flex TPO Primer/Activator		24 Hour Emergency Telephone Number: 800-424-9300 CHEMTREC				
Chemical Name/Synonyms:Product Code:Butyl Rubber AdhesiveTPA1/TPAQT/TPA3		Manufacturer's Name: Roofing Products International, Inc.				
Chemical Family: Mixture		Manufacturer's Address: 57460 Dewitt St., Elkhart, IN 46517-1078				
Chemical Formula: Not Established		NFPA Acute Hazard Rating: Health 1, Flammability 3, Reactivity 0 HMIS Acute Hazard Rating: Health 1, Flammability 3, Reactivity 0				
	SE	CTION 2 – CHEM	ICAL	COMPOSIT	ION	
Ingredient Components (chemical n Light Aliphatic Solvent Naphtha Aromatic Hydrocarbon Solven	<u> </u>	Case No. 64742-89-8 108-88-3	%	by Weight 40-60 20-40	OSHA PEL 500 ppm 200 ppm	ACGIH TLV 300 ppm 100 ppm
SI	ECTION 3	– PHYSICAL & C	CHEMI	CAL CHAR	ACTERISTICS	
Appearance/Odor: Thin clear liquid, aliphatic odor		Physical State: Liquid			Solubility in Water Insoluble	r:
Boiling Point: 185°F		Specific Gravity (H0 0.75-0.81 (Water=1)		Melting Point: NA	
Vapor Pressure: 38 mm Hg@ 20°C, 68°F		Vapor Density (Air= 3.6	=1)		Freezing Point: Not Established	
Percent Volatiles: 85 %		Evaporation Rate: (ethyl ether = 1): 3.	.5		Reactivity in Wate Not Established	r:
pH (Full Strength) Not Established		Percent Solids (by w 15%	veight):		VOC: 645 grams/liter	

SECTION 4- FIRE & EX	PLOSION HAZARD DATA
Flash Point: 18° F TCC	Flammable Limits (in air): LEL: 1.2%; UEL: NA
Extinguishing Media: Dry chemical, carbon dioxide, water fog or foam. Water should be used to keep fire exposed containers cool.	Fire Fighting Procedures: Use water spray to cool adjacent surfaces and fire exposed containers. Protect against inhalation of combustion products. Treat as "Class B" fire. Firefighters should wear full protective clothing including self- contained breathing apparatus to prevent inhalation of smoke and decomposition products. Toxic fumes and vapors may be involved.
Hazardous Decomposition Products: Carbon Dioxide, Carbon Monoxide, acrid smoke and irritating fumes.	Special Fire & Explosion Hazards: Flammable liquid. Vapors are heavier than air and can flow along surfaces to ignition sources and flash-back. Keep work areas free from open flames, sparks, hot metal surfaces and other sources of ignition. Ground objects prone to static electricity.
Method Used: Estimate based on the flash point of the most volatile component.	Auto-Ignition Temperature: Not Established
SECTION- 5 HEAI	LTH HAZARD DATA
Permissible Exposure Limit: Not Established Effects of Overexposure: Medical Conditions Aggravated By Exposure. Toxic fumes may be released during fire. Exposure to fumes may aggravate pre-existing eye, lung, and skin conditions.	Signs and Symptoms of Exposure: Eye contact may cause severe eye irritation, redness, tearing and blurred vision. Prolonged skin contact may cause irritation, dermatitis and drying of the skin. Other symptoms are dizziness, nausea or vomiting. Sensitive individuals may exhibit eye, nose, throat or dermal irritation with prolonged exposure to processing fumes or vapors. Inhalation may cause repiratory system irritation and central nervous system depression (Narcosis) fatigue.
Acute: Irritation to eyes, lungs, and mucous membranes Chronic: Excess exposure can cause CNS depression, headache, nausea, narcosis, and liver and kidney damage.	Chemical Listed as a Carcinogen (or Potential Carcinogen): National Toxicology Program: NO L.A.R.C. Monographs: NO OSHA:
Emergency & First Aid Procedures: Eye Contact: Hold eyes open and flush immediately with a gentle stream of wat Call physician Skin Contact: Clean with rubbing alcohol, followed immediately by washing affe Inhalation: Remove to fresh uncontaminated air. Administer oxygen or artific Ingestion: Consult a Physician. DO NOT INDUCE VOMITING Primary Route of Entry: Inhalation, skin absorption.	ected area with soap and water.

Emergency & First Aid Procedures:			
Eye Contact:			
Hold eyes open and flush immediately with a gentle stream of water for at least 15 minutes, preferable at an eyewash fountain. Call			
physician			
Skin Contact:			
Clean with rubbing alcohol, followed immediately by washing aff	ected area with soap and water.		
Inhalation:			
Remove to fresh uncontaminated air. Administer oxygen or artifi	cial respiration, if necessary. Call physician.		
Ingestion:			
Consult a Physician. DO NOT INDUCE VOMITING			
Primary Route of Entry:			
Inhalation, skin absorption.			
SECTION 6 – R	EACTIVITY DATA		
Stability:	Incompatibility:		
Stable at ambient temperatures and pressures	Strong oxidizers, acids, bases.		
Hazardous Decomposition Products:	Hazardous Polymerization:		
Partial combustion may release toxic gases or vapors, such as			
oxides of carbon and nitrogen along with traces of HCL.	Will not occur.		
Conditions to Avoid:			
Open flames, sparks, and closed areas that restrict adequate vent	ilation.		
SECTION 7 - SPILL OR LEAK PROCEDURES			
	R LEAK PROCEDURES		
Steps to be taken in case material is released or spilled:	R LEAK PROCEDURES		
Steps to be taken in case material is released or spilled: Small spill:			
Steps to be taken in case material is released or spilled: Small spill: Shut off and eliminate all ignition sources. Recover released prod	uct using inert materials such as sand, earth, or other suitable		
Steps to be taken in case material is released or spilled: Small spill: Shut off and eliminate all ignition sources. Recover released prod materials. Minimize skin contact. Use non-sparking tools. Ventila	uct using inert materials such as sand, earth, or other suitable te confined spaces. Keep product clear of sewers, water, or		
Steps to be taken in case material is released or spilled: Small spill: Shut off and eliminate all ignition sources. Recover released prod	uct using inert materials such as sand, earth, or other suitable te confined spaces. Keep product clear of sewers, water, or		
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Steps to be taken in case material is released or spilled: Small spill: Shut off and eliminate all ignition sources. Recover released prod materials. Minimize skin contact. Use non-sparking tools. Ventila extensive land areas. Assure conformity with applicable governm disposal. Avoid static electricity build-up by grounding a fixed eq equipment as outlined below. Large Spill: Same as small spill. Waste Disposal Method: Dispose of as a hazardous waste in accordance with EPA/RCRA relationships	uct using inert materials such as sand, earth, or other suitable te confined spaces. Keep product clear of sewers, water, or ent regulations. Transfer into secure containers for proper uipment and transfer containers. Use personal protective		
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Steps to be taken in case material is released or spilled: Small spill: Shut off and eliminate all ignition sources. Recover released prod materials. Minimize skin contact. Use non-sparking tools. Ventila extensive land areas. Assure conformity with applicable governm disposal. Avoid static electricity build-up by grounding a fixed eq equipment as outlined below. Large Spill: Same as small spill. Waste Disposal Method: Dispose of as a hazardous waste in accordance with EPA/RCRA not spiratory Protection: In areas with inadequate ventilation, the use of a NIOSH-	uct using inert materials such as sand, earth, or other suitable te confined spaces. Keep product clear of sewers, water, or ent regulations. Transfer into secure containers for proper uipment and transfer containers. Use personal protective regulations 40CFR261 21: Ignitability CCIAL PROTECTION		
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Steps to be taken in case material is released or spilled: Small spill: Shut off and eliminate all ignition sources. Recover released prod materials. Minimize skin contact. Use non-sparking tools. Ventila extensive land areas. Assure conformity with applicable governm disposal. Avoid static electricity build-up by grounding a fixed eq equipment as outlined below. Large Spill: Same as small spill. Waste Disposal Method: Dispose of as a hazardous waste in accordance with EPA/RCRA not spiratory Protection: In areas with inadequate ventilation, the use of a NIOSH-Certified respiratory protection for organic vapor is	uct using inert materials such as sand, earth, or other suitable te confined spaces. Keep product clear of sewers, water, or ent regulations. Transfer into secure containers for proper uipment and transfer containers. Use personal protective regulations 40CFR261 21: Ignitability CCIAL PROTECTION Eye Protection: Impervious glasses recommended		
Steps to be taken in case material is released or spilled: Small spill: Shut off and eliminate all ignition sources. Recover released prod materials. Minimize skin contact. Use non-sparking tools. Ventila extensive land areas. Assure conformity with applicable governm disposal. Avoid static electricity build-up by grounding a fixed eq equipment as outlined below. Large Spill: Same as small spill. Waste Disposal Method: Dispose of as a hazardous waste in accordance with EPA/RCRA respiratory Protection: In areas with inadequate ventilation, the use of a NIOSH-Certified respiratory protection for organic vapor is recommended. Protective Gloves:	uct using inert materials such as sand, earth, or other suitable te confined spaces. Keep product clear of sewers, water, or ent regulations. Transfer into secure containers for proper uipment and transfer containers. Use personal protective regulations 40CFR261 21: Ignitability CCIAL PROTECTION Eye Protection: Impervious glasses recommended Other Protective Equipment:		
Steps to be taken in case material is released or spilled: Small spill: Shut off and eliminate all ignition sources. Recover released prod materials. Minimize skin contact. Use non-sparking tools. Ventila extensive land areas. Assure conformity with applicable governm disposal. Avoid static electricity build-up by grounding a fixed eq equipment as outlined below. Large Spill: Same as small spill. Waste Disposal Method: Dispose of as a hazardous waste in accordance with EPA/RCRA not separate the separate separ	uct using inert materials such as sand, earth, or other suitable te confined spaces. Keep product clear of sewers, water, or ent regulations. Transfer into secure containers for proper uipment and transfer containers. Use personal protective regulations 40CFR261 21: Ignitability CCIAL PROTECTION Eye Protection: Impervious glasses recommended Other Protective Equipment: Under normal application conditions, protective glasses, gloves,		
Steps to be taken in case material is released or spilled: Small spill: Shut off and eliminate all ignition sources. Recover released prod materials. Minimize skin contact. Use non-sparking tools. Ventila extensive land areas. Assure conformity with applicable governm disposal. Avoid static electricity build-up by grounding a fixed eq equipment as outlined below. Large Spill: Same as small spill. Waste Disposal Method: Dispose of as a hazardous waste in accordance with EPA/RCRA respiratory Protection: In areas with inadequate ventilation, the use of a NIOSH-Certified respiratory protection for organic vapor is recommended. Protective Gloves:	uct using inert materials such as sand, earth, or other suitable te confined spaces. Keep product clear of sewers, water, or ent regulations. Transfer into secure containers for proper uipment and transfer containers. Use personal protective regulations 40CFR261 21: Ignitability CCIAL PROTECTION Eye Protection: Impervious glasses recommended Other Protective Equipment:		

SECTION 9 – SPECIAL PRECAUTIONS OR OTHER COMMENTS

Storage/Handling:

Store in cool, dry, well ventilated facility. Store and use away from all sources of sparks, direct heat and ignition. Keep containers closed when not in use. Vapors of this material are heavier than air and will collect in low or confined areas. Empty containers can contain explosive vapors. Bond and ground all fixed and transfer equipment.

Other Precautions:

Provide adequate ventilation and avoid prolonged or repeated contact with the skin. Wash with soap and water after contact.

Work/Hygienic Practices:

Maintain good personal hygiene practices. Wash contaminated clothing before reuse. Do not eat, drink, or smoke in work areas. Wash exposed skin before eating, drinking, smoking, or applying cosmetics.

Regulatory Agency:	DOT Identification Number:				
U.S.A., DOT	UN1133				
DT Proper Shipping Name: DOT Labels Required:					
Adhesive					
DOT Hazard Classification: DOT Packing Group:					
3	П				
EPA SARA Title III (40CFR355): There are no components present in the product at a level which would require reporting.					
This product contains a chemical that is listed on the following states hazardous material list.					
Pennsylvania Hazardous Substance List: YES					
New Jersey Workplace Hazardous Substance List: YES					
Massachusetts Substance List: YES					
Canada (WHMIS) Ingredient Disclosure List: YES					
California Prop0osition 65 (Safe Drinking Water and Toxic Enforcement Act of 1986):					
This product contains listed substances, which the State of California has found to cause cancer, birth defects, or other					
reproductive harm, which would require a warning under the statute. Toluene CAS 108-88-3					
EPA SARA Title III Section 313 (40CFR372): Aromatic hydrocarbon solvent C.A.S. # 108-88-3 20-40%.					
SECTION 11 – MISCELLANEOUS INFORMATION					

Date of Previous MSDS:

August 2000

Changes Since Previous MSDS:

Comment change in sections: 1 thru 9

Add sections: 10,11

Telephone Number for Additional Information: (574) 293-9096

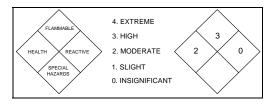
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> **311 RPI Re-Flex TPO Primer/Activator MSDS Sheet 4/4** March 21, 2007

MATERIAL SAFETY DATA SHEET ROOFING PRODUCTS INTERNATIONAL, INC.

MSDS 312 RPI RE-FLEX TPO CUT EDGE SEALANT



SECTION 1 – PRODUCT IDENTIFICATION						
Product Name: RPI Re-Flex TPO Cut Edge Sealant				24 Hour Emergency Telephone Number: 800-424-9300 CHEMTREC		
Chemical Name/Synonyms: Product Code: N/A TCES			Manufacture Roofing Pro	r's Name: ducts International, In	IC.	
Chemical Family: Mixture			Manufacture	Manufacturer's Address: 57460 Dewitt St., Elkhart, IN 46517-1078		
Chemical Formula: Not Established		NFPA Acute Hazard Rating: Health 2, Flammability 3, Reactivity 0 HMIS Acute Hazard Rating: Health 2, Flammability 3, Reactivity 0				
	SECTION	2 – CHEMICAL CO	MPOSITION			
Ingredient Components (chemical n	names)	Case No.	% by Weight	OSHA PEL	ACGIH TLV	
Xylene		1330-20-7	10-30	100 ppm	100 ppm	
Ethyl Benzene		100-41-4	5-10	100 ppm	100 ppm	
Toluene		108-88-3	0.1-1	200 ppm (300ppm ceiling)	20 ppm	
Stoddard Solvent		8052-41-3	10-30	500 ppm	100 ppm	
SI	ECTION 3 -	PHYSICAL & CHE	MICAL CHARAC	FERISTICS		
Appearance/Odor: Thin clear liquid, aliphatic odor		Physical State: Liquid		Solubility in Water: N/A		
Boiling Point:		Specific Gravity (HO=	=1)	Melting Point:		
212°F		0.7 (Water=1)		N/A		
Vapor Pressure: N/A		Vapor Density (Air=1 Heavier than air)	Freezing Point: Not Established		
Percent Volatiles: 55 %		Evaporation Rate: Slower than diethyl e	ether	Reactivity in Water: Not Established		
pH (Full Strength) N/A		Percent Solids (by wei 15%	ight):	VOC: 464 grams/liter		

312 RPI Re-Flex TPO Cut Edge Sealant 1/4 March 21, 2007

SECTION 4- FIRE & EXPLOSION HAZARD DATA					
Flash Point: 79° F TCC Extinguishing Media: NFPA Class B fire extinguishers. Dry chemical, carbon dioxide, water fog or foam. Water should be used to keep fire exposed containers cool. Polymer foam recommended for large fires.	Flammable Limits (in air): LEL: N/A ; UEL: NA Fire Fighting Procedures: Use water spray to cool adjacent surfaces and fire exposed containers. Protect against inhalation of combustion products. Treat as "Class B" fire. Firefighters should wear full protective clothing including self-				
Hazardous Decomposition Products:	contained breathing apparatus to prevent inhalation of smoke and decomposition products. Toxic fumes and vapors may be involved. Special Fire & Explosion Hazards:				
Carbon Dioxide, Carbon Monoxide, acrid smoke and irritating fumes.	Flammable liquid. Vapors are heavier than air and can flow along surfaces to ignition sources and flash-back. Keep work areas free from open flames, sparks, hot metal surfaces and other sources of ignition. Ground objects prone to static electricity.				
Method Used: Estimate based on the flash point of the most volatile component.	Auto-Ignition Temperature: Not Established				
SECTION- 5 HEALTH HAZARD DATA					
Permissible Exposure Limit: Not Established Effects of Overexposure: Medical Conditions Aggravated By Exposure. Toxic fumes may be released during fire. Exposure to fumes may aggravate pre-existing eye, lung, and skin conditions.	Signs and Symptoms of Exposure: Eye contact may cause severe eye irritation, redness, tearing and blurred vision. Prolonged skin contact may cause irritation, dermatitis and drying of the skin. Other symptoms are dizziness, nausea or vomiting. Sensitive individuals may exhibit eye, nose, throat or dermal irritation with prolonged exposure to processing fumes or vapors. Inhalation may cause repiratory system irritation and central nervous system depression (Narcosis) fatigue.				
Acute: Chemical Listed as a Carcinogen (or Potential Carcinogen): Irritation to eyes, lungs, and mucous membranes Chemical Listed as a Carcinogen (or Potential Carcinogen): Chronic: National Toxicology Program: Excess exposure can cause CNS depression, headache, nausea, narcosis, and liver and kidney damage. National Toxicology Program: OSHA: Ethyl Benzene (CAS 100-41-4)					
Emergency & First Aid Procedures: Eye Contact: Hold eyes open and flush immediately with a gentle stream of wat Call physician Skin Contact: Remove contaminated clothing and immediately and wash affecte if irritation persists. Inhalation: Remove to fresh uncontaminated air. Administer oxygen or artific Ingestion: Consult a Physician. DO NOT INDUCE VOMITING Primary Route of Entry: Inhalation, skin absorption.	d area with soap and water. Rinse thoroughly. Call a physician				

SECTION 6 – REACTIVITY DATA					
Stability: Incompatibility:					
Stable at ambient temperatures and pressuresStrong oxidizers, acids, bases.					
Hazardous Decomposition Products:	Hazardous Polymerization:				
Partial combustion may release toxic gases or vapors, such as					
carbon dioxide and carbon monoxide.	Will not occur.				
Conditions to Avoid: Temperatures in excess of 115°F. Open flames, sparks, and closed	areas that restrict adequate ventilation.				
SECTION 7 - SPILL O	R LEAK PROCEDURES				
Steps to be taken in case material is released or spilled: Small spill: Shut off and eliminate all ignition sources. Recover released product using inert materials such as sand, earth, or other suitable materials. Minimize skin contact. Use non-sparking tools. Ventilate confined spaces. Keep product clear of sewers, water, or extensive land areas. Assure conformity with applicable government regulations. Transfer into secure containers for proper disposal. Avoid static electricity build-up by grounding a fixed equipment and transfer containers. Use personal protective equipment as outlined below. Large Spill: Same as small spill. Waste Disposal Method: Dispose of as a hazardous waste in accordance with EPA/RCRA regulations 40CFR261 21: Ignitability					
SECTION 8 – SPECIAL PROTECTION					
Respiratory Protection: Eye Protection:					
in areas with inadequate ventilation, the use of a NIOSH-					
Certified respiratory protection for organic vapor is	Impervious glasses recommended				
recommended.					
Protective Gloves:	Other Protective Equipment:				
Polyvinyl alcohol, nitrile rubber, or neoprene gloves are	Under normal application conditions, protective glasses, gloves,				
recommended to prevent skin contact.	and clothing are adequate.				
Ventilation: Provide adequate ventilation to maintain airborne concentrations below OSHA PELs.					

SECTION 9 - SPECIAL PRECAUTIONS OR OTHER COMMENTS

Storage/Handling:

Store in cool, dry, well ventilated facility. Store and use away from all sources of sparks, direct heat and ignition. Keep containers closed when not in use. Vapors of this material are heavier than air and will collect in low or confined areas. Empty containers can contain explosive vapors. Bond and ground all fixed and transfer equipment.

Other Precautions:

Provide adequate ventilation and avoid prolonged or repeated contact with the skin. Wash with soap and water after contact.

Work/Hygienic Practices:

Maintain good personal hygiene practices. Wash contaminated clothing before reuse. Do not eat, drink, or smoke in work areas. Wash exposed skin before eating, drinking, smoking, or applying cosmetics.

SECTION 10 - TRANSPORTATION			
Regulatory Agency:	DOT Identification Number:		
U.S.A., DOT, IMO	UN1133		
DOT Proper Shipping Name:	DOT Labels Required:		
Adhesive	Flammable Liquid		
DOT Hazard Classification:	DOT Packing Group:		
3 III			
EPA SARA reportable ingredients: Ethyl Benzene (CAS 100-41-4), Xylene (CAS 1330-20-7)			

DOT reportable quantity: Xylene (CAS 330-20-7) -100 lbs. Ethyl Benzene (CAS 100-41-4)-1000 lbs.

SECTION 11 – MISCELLANEOUS INFORMATION

Additional Comments:

NA

Date of Previous MSDS: August 2000

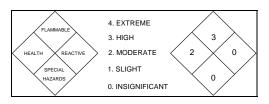
Changes Since Previous MSDS: Comment change in sections: 1 thru 9 Add sections: 10,11

Telephone Number for Additional Information: (574) 293-9096

DISCLAIMER

The information contained herein is based on data considered accurate which has been obtained from other companies and organizations. However, no warranty or representation is expressed or implied that the information is accurate, complete, or representative. Roofing Products International, Inc. assumes no responsibility for injury to the buyer, the buyer's employees, or any third persons if reasonable safety procedures are not followed.

MATERIAL SAFETY DATA SHEET ROOFING PRODUCTS INTERNATIONAL, INC. MSDS 313 RPI RE-FLEX TPO HW MEMBRANE CLEANER



SECTION 1 – PRODUCT IDENTIFICATION							
		24 Hour Emergency Telephone Number: 800-424-9300 CHEMTREC					
Chemical Name/Synonyms: Product Code: N/A TMC				Manufacturer's Name: Roofing Products International, Inc .			
Chemical Family: Mixture			57460 Dewit	Manufacturer's Address: 57460 Dewitt St., Elkhart, IN 46517-1078			
Chemical Formula: N/A			Health 2, Fla	NFPA Acute Hazard Rating: Health 2, Flammability 3, Reactivity 0			
				HMIS Acute Hazard Rating: Health 0, Flammability 0, Reactivity 0			
	SECTI	ON 2 – CHEMIO	CAL COMPOS	SITION			
Ingredient Components (chemica Hazardous Components Carcinogens 0.1% or gre	1% or greater;	% wt or %vol	Case No.	OSHA PEL ACGIH	ACGIH TLV		
Toluene		0-1%	108-88-3	100 ppm STEL 150 ppm	50 ppm STEL 150 ppm		
Xylene 79-82%		1330-20-7	750 ppm STEL 1000 ppm	50 ppm STEL 750 ppm			
Ethylbenzene 18-20%		100-41-4	300 ppm STEL 400 ppm	300 ppm			
Total		100					
SECTION 3 – PHYSICAL & CHEMICAL CHARACTERISTICS							
Appearance/Odor: Clear colorless liquid wit	h solvent odor.	Physical State: Liquid		Solubility in Water: < 0.08%			
Boiling Point: 279°F @ 760 mmHg		Specific Gravity (HO=1) .870 @ 60°F		Melting Point: N/A			
Vapor Pressure: 5.1 mmHg @ 68°F		Vapor Density (Air=1) 3.66		Freezing Point: N/A			
Percent Volatiles: 0.7% maximum		Evaporation Rate: .86		Reactivity in Water: None			
pH (Full Strength) N/A		pH (Recommended Dilu N/A	tion):	Refraction Index: N/A			

SECTION 4- FIRE & EXPLOSION HAZARD DATA					
Flash Point: 80°F	Flammable Limits (in air): LEL: 1.0% UEL: 6.6%				
Extinguishing Media: Dry chemical, regular foam, and Carbon Dioxide can be used.	Fire Fighting Procedures: Limit fire fighting to those trained to do so. Firefighters should wear full protective clothing including self-contained breathing apparatus to prevent inhalation of smoke and decomposition products. Toxic fumes and vapors may be involved.				
Hazardous Decomposition Products: In the event of combustion, carbon dioxide, smoke, carbon compound and other decomposition products may be released.	Special Fire & Explosion Hazards: Material is highly volatile and gives off vapors which may travel along the ground or be moved by ventilation and ignited by static sparks, pilot lights, electric motors, welders, heaters, or other sources of ignition at far from the application point. Welding or cutting on or near empty containers may result in vapor ignition and explosions.				
Method Used: Estimate based on flash point of most volatile component.	Auto-Ignition Temperature: 980°F				
SECTION- 5 HEALTH HAZARD DATA					
Primary Routes of Entry: Inhalation X Skin Absorption X Ingestion X None Effects of Overexposure:	Signs and Symptoms of Exposure: Under normal conditions of use, this product will not release				
Toxic fumes may be released during fire. Exposure to fumes may aggravate pre-existing eye, lung, and skin conditions.	or otherwise result in exposure to hazardous chemicals.				
Acute: Inhalation: Breathing large amounts of vapor or mist may be harmful. Symptoms usually occur at air concentration higher than the recommended exposure limits. Ingestion: Swallowing this material may be harmful. Material may get into the lungs during swallowing or vomiting causing lung inflammation and injury. Eyes: May cause eye irritation. Symptoms include stinging, tearing, and redness. Skin: Can cause skin irritation. Prolonged or repeated contact can dry the skin. Symptoms include drying and cracking, burns, and other skin damage. Although unlikely during safe handling and use, material can be absorbed thru the skin. Carcinogen Listed In: NTP IARC Monograph OSHA Not Listed X	Chronic: Overexposure to this material (or its components), has been suggested as a cause of the following effects in laboratory animals: mild, reversible liver effects, and mild reversible kidney effects with kidney damage and cardiac sensitization. This material (or a component) has been shown to cause defects in laboratory animal studies. The relevance to humans is uncertain. This material has not caused cancer in laboratory animals. Ethylbenzene has been shown to cause cancer in laboratory animals but the relevance of this finding to humans is unclear. IARC (International Agency for Research on Cancer) has classified ethylbenzene as a possible human carcinogen. Benzene: Know to the state of California to cause cancer. Benzene and Toluene: Known to the state of California to cause reproductive harm.				

Emergency & First Aid Procedures:

Eve Contact: Move individual away from exposure and into fresh air. Flush eyes gently with clean water for at least 15 minutes while holding eyelids apart. If symptoms persist, seek medical attention.

Skin Contact: Remove contaminated clothing. Flush exposed area with large amounts of clean water. If skin is damaged, seek medical attention. If symptoms persist, seek medical attention. Launder or properly dispose of contaminated clothing.

<u>Inhalation:</u> If symptoms develop, immediately move the individual away from exposure into fresh air. Seek immediate medical attention. If breathing is difficult, administer oxygen. If the person is not breathing, begin artificial respiration.

Ingestion: Seek medical attention. If individual is drowsy or unconscious, place the individual on the left side with the head down. Do not give anything by mouth. Contact a physician, medical facility, or poison control center for advice about wether to induce vomiting. Do not leave the individual un-attended.

Note to Physicians:

Inhalation of high concentrations of this material, may be associated with cardiac arrhythmias. Sympathomimetic drugs my initiate cardiac arrhythmias in persons exposed to this material. This material is an aspiration hazard. Potential danger from aspiration must be weighed against possible oral toxicity. (See section on Ingestion) when deciding wether to induce vomiting. Pre-existing disorders of the following organs, (or organ systems) may be aggravated by exposure to this material: skin, lung (asthma-like conditions), liver, kidney, and auditory system. Individuals with pre-existing heart disorders may be more susceptible to arrhythmias (irregular heartbeats) if exposed to high concentrations of this material.

SECTION 6 – REACTIVITY DATA					
Stability: Stable	Incompatibility: Strong oxidizing agents.				
Hazardous Decomposition Products: Carbon monoxide, carbon monoxide, and various	Hazardous Polymerization:				
hydrocoarbons. Will not occur					
Conditions to Avoid: Fires, sparks, static electricity, and confined areas without ventilation.					
SECTION 7 - SPILL OR LEAK PROCEDURES					
Steps to be taken in case material is released or spilled: Small spill: Eliminate all sources of ignition such as flares, electrical sparks, flames, and pilot lights. Absorb liquid on vermiculite, floor absorbent, or other absorbent material and transfer to proper collection containers.					
Large Spill: Stop spill at source. Eliminate all sources of flames, electrical sparks, and pilot lights. Persons not wearing protective equipment should be excluded from the spill and clean-up area until clean-up is complete. Prevent materials from entering drains, sewers, streams or other bodies of water. Prevent the spreading of spilled material. Using proper equipment, transfer spilled material to clean recovery containers. Absorb unrecoverable product and transfer the contaminated absorbent soil, debris, and other materials to containers for disposal. Promptly notify the proper authorities that a spill has occurred.					
Waste Disposal Method: Destroy by liquid incineration in accordance with applicable local, state, and federal regulations.					
SECTION 8 – SPECIAL PROTECTION					
Respiratory Protection: If vapors exceed TLV, use self contained organic mask MSHA/NIOSH approved.	Eye Protection: Safety glasses with side shields are recommended.				
Protective Gloves: Chemical resistant gloves.	Other Protective Equipment: None required under normal installation conditions.				
Ventilation: Local Exhaust X Sufficient to keep vapors below TLV or PEL Mechanical (General) to maintain exposure below TLV X					

SECTION 9 – SPECIAL PRECAUTIONS OR OTHER COMMENTS

Storage/Handling:

Store in cool, dry, well ventilated facility. Containers of this material may be hazardous when emptied. Emptied containers retain product residues (vapor, liquid, and/or solids). All hazard precautions given in the data sheet must be observed. All five gallon pails including larger containers such as tanker trucks, tank cars, must be properly grounded against static electricity. Hydrocarbon solvents are non-conductors of electricity and can become electrostatically charged during mixing, filtering or pumping at high flow rates. If the charge reaches a sufficiently high level, sparks can form that may ignite the vapors of flammable liquids.

Warning: Sudden release of hot organic chemical vapors or mists from process equipment operating at elevated temperature or pressure, or sudden ingress of air into vacuum equipment may result in explosions or ignitions without the presence of obvious ignition sources.

Other Precautions:

Store material in cool dry areas in original shipping packaging.

SECTION 10 – TRANSPORTATION				
Regulatory Agency:	Identification Number:			
Not Regulated. All components are included in the EPA Toxic	Not Applicable			
Substance Control Act (TSCA) Chemical Substance Inventory				
Proper Shipping Name:	Labels Required:			
Not Applicable	Not Applicable			
Hazard Classification:	Other Requirements:			
EPA SARA Title III hazard class (40CFR370): None	Not Applicable			
EPA SARA Title III Section 313 (40CFR372): None				
EPA SARA Title III (40CFR355): There are no components				
present in this product at a level which would require reporting.				

SECTION 11 – MISCELLANEOUS INFORMATION

Additional Comments:

None

Date of Previous MSDS:

October 10, 2006

Changes Since Previous MSDS: Comment change in sections: 1 thru 9

Add sections: 10,11

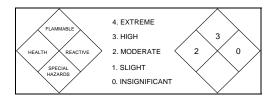
Telephone Number for Additional Information:

(574) 293-9096

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MATERIAL SAFETY DATA SHEET ROOFING PRODUCTS INTERNATIONAL, INC. MSDS 314 RPI ROYAL EDGE WATER CUT-OFF MASTIC



SECTION 1 – PRODUCT IDENTIFICATION							
Product Name: Royal Edge Water Cut-C	Off Mastic			ergency Telepho •9300 CHE			
Chemical Name/Synonyms: None	Product Code: WCOM		Manufacture Roofing	er's Name: Products Ir	nternationa	l, Inc.	
Chemical Family: Mixture				er's Address: ewitt St., El	khart, IN 4	6517-1078	
Chemical Formula: NA		Health 1 HMIS Acut	NFPA Acute Hazard Rating: Health 1, Flammability 3, Reactivity 0 HMIS Acute Hazard Rating: Health 2, Flammability 3, Reactivity 0				
	SECTI	ON 2 – CHEM	IICAL COM	POSITION	N		
Ingredient Components (chemical nat Heptane	mes)	Common Name None	Case No. 142-82-5	% wt or % vol 14	OSHA STEL 500PPM	OSHA PEL 500PPM	ACGIH TLV 400PPM
Calcium Carbonate		Limestone	1317-65-3	<3		5 mg/m ³ (Respirable) 15 mg/m ³ (Total)	2 mg/m ³ (Respirable)
Kaolin		Clay	1332-58-7	>3		5 mg/m ³ (Repsirable) 15 mg/m ³ (Total)	2 mg/m ³ (Respirable)
Non-hazardous as per 29 CFR 1910.1200		None	EPA TSCA	<80		None Establ	ished
	SECTION	N 3 – PHYSICA	AL & CHEM	ICAL CH	ARACTEI	RISTICS	
Appearance/Odor: Grey viscous paste, alipha	atic odor	Physical State: Paste			Solubility in Wa Insoluble	ater:	
Boiling Point: 200°F		Specific Gravity (Water=1) 1.33			Melting Point: NA		
Vapor Pressure: 45mm Hg @20°C		Vapor Density (Air=1) 3.4 (Air=1)			Freezing Point: Not Established		
Percent Volatiles: 25.5%		Evaporation Rate: 4.5 (Butyl Acetate=1)			Reactivity in Water: NA		
pH (Full Strength) Not Established		pH (Recommended I Not Establishe	,		Refraction Inde	x:	

SECTION 4- FIRE & EXPLOSI	ON HAZA	RD DATA		
Flash Point:Flammable Lir14°FLEL 1.0%		mits (in air): • UEL 7.0%		
		Procedures: rs should wear full protective including self-contained breathing		
spray to disperse vapors and protect firefighters. Water may be used to flush spills away from exposures.	apparatus decomposi	to prevent inhalation of smoke and ition products. Toxic fumes and		
	vapors ma cool adjace			
		s only. Protect against inhalation of on products.		
Method Used: Tagliabue closed tester		Temperature:		
Hazardous Decomposition Products:	Unknown Special Fire &	Explosion Hazards:		
Carbon Dioxide, Carbon Monoxide, Oxides of Nitrogen,		d containers with water stream. Keep		
and Sulfur Dioxide.		n open flames and sparks. Heated containers mes that settle in low areas and explode.		
SECTION- 5 HEALTH	I HAZARI	D DATA		
Permissible Exposure Limit: Not Established Chronic Effects: May cause kidney, liver, spleen and central nervous system damage. May cause brain cell and neuromuscular damage according to animal studies.		Signs and Symptoms of Exposure: Sensitive individuals may exhibit eye, nose, throat or dermal irritation with prolonged exposure to processing fumes or vapors. Eye contact may cause irritation, redness, tearing and blurred vision. Prolong		
Effects of Overexposure: Pre-existing lung, skin, eye, pulmonary or nervous system con may be aggravated by exposure to this product.	ditions	 breathing of fumes may cause damage to the central nervous system and cause unconsciousness. 		
Acute: Inhalation may cause respiratory system irritation and central nervous system depression characterized by headache, dizziness, muscular weakness and fatigue. May cause unconsciousness if exposure is excessive.		Carcinogenicity: None		
Emergency & First Aid Procedures: Eye Contact: Flush with water for 15 minutes. Contact physician. Skin Contact: Clean with rubbing alcohol followed immediately by washing		nd water.		
Inhalation: Remove to fresh air and administer oxygen if breathing is labo Seek immediate medical attention if oxygen or artificial respir administered.	ored. Give a			
Ingestion: Do not induce vomiting. Consult and inform a physician of the incident and the type and nature of the material. Primary Route of Entry: Inhalation, skin.				

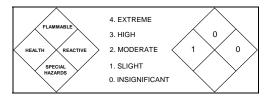
SECTION 6 – REACTIVITY DATA					
Stability: Stable at ambient temperatures and pressures.	Incompatibility: Strong oxidizers, acids and bases.				
Hazardous Decomposition Products: Toxic gases or vapors, such as carbon monoxide, carbon dioxide and other decomposition products may be released during a fire.	Hazardous Polymerization: Will not occur Conditions to Avoid: Open flames, sparks, static electricity, and welding arcs.				
SECTION 7 - SPILL OR LEAK PROCEDURES					
Steps to be taken in case material is released or spilled: Small spill: Remove ignition sources. Absorb on inert material. Use non-sparking tools, scoop or shovel material into secure containers proper disposal. Use personal protective equipment as outlined below.					
Large Spill: Same as small spill.					
Waste Disposal Method: As a hazardous waste in accordance with EPA/RCRA regulations 40 CFR 261.21 (a) (1). Ignitability: D001.					
SECTION 8 – SPECIAL PROTECTION					
Respiratory Protection: Eye Protection: Approved OSHA organic vapor mask. Safety glasses recommended.					
Protective Gloves: Other Protective Equipment: Impervious gloves are recommended to prevent skin None required under normal installation conditions. contact. Neoprene, Nitrile rubber, or Polyvinyl gloves. None required under normal installation conditions.					
Ventilation: Store and use in well ventilated areas. Anticipated use for outdoors only. Local exhaust ventilation is recommended to minimize any vapor buildup or exposure.					
SECTION 9 – SPECIAL PRECAUTIONS OR OTHER COMMENTS					
Storage/Handling: Store in cool, dry, well ventilated facility. Use away from all sources of direct heat and ignition. Keep containers closed when not in use.					
Other Precautions: Store material in original shipping packaging. Ground all transfer containers and equipment to prevent static electricity. Vapors may settle in low areas. Provide adequate ventilation.					
Work/Hygienic Practices: Maintain good personal hygiene practices. Wash contaminated clothing before reuse. Do not eat, drink, or smoke in work areas. Wash exposed skin before eating, drinking, smoking, or applying cosmetics.					

SECTION 10 - TRANSPORTATION				
Regulatory Agency:	Identification Number:			
U.S.A., DOT, IMO	UN1133			
Proper Shipping Name:	Labels Required:			
Adhesives	Flammable Liquid			
Hazard Classification:	Packing Group:			
3	11			
Other Requirements:				
49 CFR 172.101 Adhesives, UN1133, IMDG	Class 3.2, Pg. 3174 Flash Point -10°C.			
SECTION 11 – MISCELLANEOUS INFORMATION				
Additional Comments: Date of Previo				
None August 24	000 (574) 293-9096			
Changes Since Previous MSDS:				
Comment change in sections: 1 thru 9				
Add sections: 10,11				
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MATERIAL SAFETY DATA SHEET ROOFING PRODUCTS INTERNATIONAL, INC.

MSDS 315 ROYAL EDGE TPO/EPDM BONDING ADHESIVE WATER BASED



SECTION 1 – PRODUCT IDENTIFICATION				
Product Name: Royal Edge TPO/EPDM Bonding Adhesive -Water Based (contact)		24 Hour Emergency Telephone Number: 800-424-9300 CHEMTREC		
Chemical Formula:		Manufacturer's Name:		
Mixture of listed substances with nor additions.	n-hazardous	BAW1G, BAW5G		
Manufacturer's Name:		NFPA Acute Hazard Rating:		
Roofing Products International, Inc. Manufacturer's Address:		Health 1, Flammability 0, Reactivity 0 HMIS Acute Hazard Rating:		
57460 Dewitt St., Elkhart, IN 46517-	1078		bility 0, Reactivity 0	
SECT	TION 2 – CHEMI	CAL COMPOSITI	ON	
Ingredient Components (chemical names)	OSHA	(1910. 1200) Case No.	OSHA STEL OSHA PEL ACGIH	
No hazardous/reportable component	s.			
This product is not subject to identify		according to directive	es on hazardous materials.	
Additional Information:				
All components of this product are on the T	FSCA Inventory or are	exempt from TSCA Inv	entory Requirements.	
SECTIO	N 3 – PHYSICAL	& CHEMICAL C	HARACTERISTICS	
Appearance/Odor: White liquid, characteristic odor	Physical State: Liquid		Solubility in Water: Dispersible	
Boiling Point: 212°F (100°C)	Auto-Igniting: Product is not sel	f-igniting	Melting Point: Undetermined	
Flash Point:	Solvent Content:		Solids Content :	
NA	Organic Solvents: 0.0%		55.0%	
Specific Gravity: 1.01	Evaporation Rate: NA		Reactivity in Water:	
		NA		
SECTION 4- FIRE & EXPLOSION HAZARD DATA				
Flash Point: NA		Flammable Limits (in air): NA		
Extinguishing Media:		Fire Fighting Procedures:		
Water, CO ² , alcohol resistant foam.		CO ² , extinguishing powder or water spray. Use water spray or alcohol resistant foam for larger fires.		
Hazardous Decomposition Products:		Special Fire & Explosion Hazards:		
No hazardous decomposition produc	ts known.	This product is not	flammable.	
Dangerous Reactions:		Thermal Decomposition/ Conditions To Be Avoided:		
Strong oxidizing agents		No decomposition if used according to specifications.		

SECTION- 5 HEALTH HAZARD DATA				
Permissible Exposure Limit: Not established Effects of Overexposure: Medical Conditions Aggravated by Exposure:	Signs and Symptoms of Exposure: Prolonged contact with skin can cause redness and irritation. When used and handled according to			
Skin irritation/eye irritation. Acute: May cause gastrointestinal irritation if swallowed.	specifications, this product does not have any harmful effects according to our experience and information provided to us.			
Chronic: None currently known.	Chemical Listed as a Carcinogen (or Potential Carcinogen): None listed			
 physician. Skin Contact: Remove contaminated clothing and wash affected area with persists. Inhalation: Remove to fresh air. Call physician. Ingestion: If swallowed, contact a Physician. Primary Route of Entry: 	er lids occasionally. Continue for at least 15 minutes and call			
Ingestion or eye contact.				
SECTION 6 – REACTIVITY DATA				
Stability: Stable at ambient temperatures and pressures	Incompatibility: None known			
Hazardous Decomposition Products: No hazardous decomposition products known.	Hazardous Polymerization: Will not occur			
Conditions to Avoid: None known				
SECTION 7 - SPILL OF	LEAK PROCEDURES			
Steps to be taken in case material is released or spilled: Small spill: Absorb using inert liquid binding material, (sand, diatomite, acid binders, universal binders, sawdust). Transfer into secure containers and dispose of contaminated material as waste according to federal, state, and local regulations. Use personal protective equipment as outlined below. Contain and prevent material from accessing water drainage systems. NOTE: This product is not known to be hazardous to water. Large Spill: Same as small spill.				
Waste Disposal Method: Dispose in accordance with federal, state, and local regulations.				
SECTION 8 – SPECI	AL PROTECTION			
Respiratory Protection: If applied by spraying, use NIOSH-Certified respiratory protection for organic vapor if necessary. Refer to OSHA 29 CFR 1910.134 "Respiratory Protection".	Eye Protection: Wear safety glasses with side shields, Wear Face shield as necessary when spraying.			

Protective Gloves:	Other Protective Equipment:
Impervious gloves are recommended to prevent skin	Under normal application conditions, protective glasses,
contact.	gloves, and clothing are adequate.

Ventilation:

Natural ventilation should be adequate under normal conditions.

SECTION 9 – SPECIAL PRECAUTIONS OR OTHER COMMENTS

Storage/Handling:

Store in cool, dry, well ventilated facility. Keep containers closed when not in use. Protect from freezing.

Other Precautions:

Provide adequate ventilation and avoid prolonged or repeated contact with the skin. Wash with soap and water after contact. Do not take internally. Close containers after each use. Keep away from children.

Work/Hygienic Practices:

Maintain good personal hygiene practices. Wash contaminated clothing before reuse. Do not eat or drink in work areas. Wash exposed skin before eating, drinking, or applying cosmetics.

SECTION 10 - TRANSPORTATION		
DOT Regulations:	Identification Number:	
Not Regulated	Not Applicable	
Proper Shipping Name:	Labels Required:	
Water Based Adhesive	Not Applicable	
Hazard Classification: This product is not subject to identification regulations according to directives on hazardous material.	Other Requirements: Not Applicable	

SECTION 11 – MISCELLANEOUS INFORMATION

Additional Comments:

None

Date of Previous MSDS:

August 2000 Changes Since Previous MSDS:

Comment change in sections: 1 thru 9

Add sections: 10,11

Telephone Number for Additional Information:

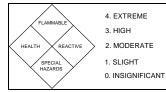
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MATERIAL SAFETY DATA SHEET ROOFING PRODUCTS INTERNATIONAL, INC.

MSDS 316 RPI ROYAL EDGE TPO BONDING ADHESIVE SOLVENT BASED



2 0

SECTION 1 – PRODUCT IDENTIFICATION						
Product Name: RPI Royal Edge TPO Bondin	g Adhesive S	Solvent Base	24 Hour Emergency 800-424-9300			
Chemical Name/Synonyms: Solvent Based Adhesive	Product Code: TBAS1, TB	Manufacturer's Name/Address:		· · · · · · · · · · · · · · · · · · ·		
Not Established			NFPA Acute Hazar	d Rating:	,	
Chemical Formula:			Health 2, Flan HMIS Acute Hazar		v 3, Reactivity ()
Polychloroprene			Health 1, Flan	nmability	3, Reactivity 0)
	SEC	TION 2 –	CHEMICAL CON	MPOSIT	ION	
Ingredient Components (chemical name Names Hazardous components 1% or g Carcinogens 0.1% or greater		%	Case No.	C PE	OSHA L-TWA	ACGIH TLV-TWA
Naphtha (petroleum), solvent-refin Spirits	ned light textile	33%	64741-84-0			
Toluene		26%	108-88-3	C30 Lon	rt Term Value: 0ppm-500ppm g Term Value: ppm	(188) NIC-75 mg/m ³ (50) NIC-20 ppm
Acetone		19%	67-64-1	**		Short Term Value: 1782 mg/m ³ 750 ppm Long Term Value: 1188 mg/m ³ 500 ppm
Additional Information: Textile Spirits (Primarily N-Hexane) 110-54-3						
SEC	CTION 3 –	PHYSIC	AL & CHEMICA	L CHAR	ACTERISTIC	CS
Appearance/Odor:	_	Physical State:			Solubility in Water:	
Yellow liquid, with a solver Boiling Point:	nt odor.	Liquid	t (1120 1)		Insoluble, not miscible	
98°C (208°F)		Specific Gravity (H ² O=1) 082.5		Melting Point: NA		
Vapor Pressure: @ 20° C (68° F):		Vapor Density (Air=1)			VOC:	
233 O hPa (175 mm Hg)		Heavier than air			4.05 lbs/gal	
Volatiles: (% Wt or % Vol)		-	ate: (Butyl Acetate=1)		Solids Content:	
25-85%			n n-Butyl Acetate		22%	
Weight per Gallon:		Solvent Content: Organic Solvents			Ignition Temperatur	
6.87 lbs 78%			240° C (464°]	F')		

SECTION 4- FIRE & EXPLOSION HAZARD DATA				
Flash Point:	Flammable Limits (in air):			
$- 18^{\circ} \text{ C}, - 0^{\circ} \text{ F}$	LEL: 1.2 Vol%; UEL: 13 Vol%			
Extinguishing Media: Water fog followed by standard fire extinguishers-course	Fire Fighting Procedures: Use water spray to cool adjacent surfaces and fire exposed			
stream. Dry chemical, carbon dioxide, and foam can also	containers. Protect against inhalation of combustion			
be used along with vaporizing liquid type agents.	products.			
Water should be used to keep fire-exposed containers	Firefighters should wear full protective clothing including			
cool and to protect firefighters attempting to stop a	self-contained breathing apparatus to prevent inhalation			
leak/spill or extinguish a fire.	of smoke and decomposition products. Toxic fumes and			
Hazardous Decomposition Products:	vapors may be involved.			
Carbon Dioxide, Carbon Monoxide, Oxides of Nitrogen,	Special Fire & Explosion Hazards:			
Sulfur Dioxide, and Hydrogen Chloride, (thermal	This product is non-explosive, however formation of explosive air/vapor mixtures are possible.			
degradation products). Method Used:	Keep work areas free from open flames, sparks, hot metal			
TCC	surfaces and other sources of ignition. Ground objects			
Auto-Ignition Temperature:	prone to static electricity.			
This product is not self-igniting.				
SECTION- 5 HEAL	TH HAZARD DATA			
Permissible Exposure Limit:	Signs and Symptoms of Exposure:			
Not Established	Dizziness, nausea or vomiting. Sensitive individuals may exhibit eye, nose, throat or dermal irritation with			
Effects of Overexposure: Medical Conditions Aggravated By Exposure	prolonged exposure to processing fumes or vapors.			
Toxic fumes may be released during fire. Exposure to	Chemical Listed as a Carcinogen (or Potential Carcinogen):			
fumes may aggravate pre-existing eye, lung, and skin	National Toxicology Program: NO L.A.R.C. Monographs: NO			
conditions.				
Acute Toxicity: 108-88-3 Toluene	OSHA: NO			
OralLD505000 mg/kg (ratDermalLD501214 mg/kg (rabbit)	Chronic: Excess exposure can cause CNS depression, headache,			
Inhalative LC50/4 h 5320 mg/l (mouse)	nausea, narcosis, and liver and kidney damage.			
Emergency & First Aid Procedures:	Inhalation: Remove to fresh air. Administer oxygen or artificial			
Eye Contact: Flush with water and call physician	Respiration, if necessary. Call a physician.			
Skin Contact: Clean with rubbing alcohol, followed by soap and water.				
Primary Irritant: to eyes: Irritating effect	Ingestion: Consult a physician. DO NOT INDUCE VOMITING			
to skin: Irritant to skin and mucous membranes	Primary Route of Entry: Inhalation.			
SECTION 6 – REACTIVITY DATA				
Stability:	Incompatibility:			
Stable at ambient temperatures and pressures	Strong oxidizers, acids, bases.			
Hazardous Decomposition Products: Toxic gases or vapors, such as oxides of carbon and	Hazardous Polymerization:			
nitrogen along with trace of HCL may be released during	NA			
a fire.				
Conditions to Avoid:				
Open flames and sparks. Closed areas that restrict adequate ventilation. Toxic to fish. Do not contaminate ground				
water, water course, or sewage systems. Toxic to aquatic l	8			

SECTION 7 – SPILL OR LEAK PROCEDURES

Steps to be taken in case material is released or spilled:

Small spill: Absorb using inert material Use non-s

Absorb using inert material. Use non-sparking tools. Transfer into secure containers for proper disposal. Use personal protective equipment as outlined below.

Large Spill:

Same as small spill.

Waste Disposal Method:

Dispose of as a hazardous waste in accordance with EPA/RCRA regulations 40CFR261 21(a) (1) Ignitability: D001

SECTION 8 – SPECIAL PROTECTION

Respiratory Protection: Use NIOSH-Certified respiratory protection for organic vapor if necessary.	Eye Protection: Impervious glasses recommended
Protective Gloves:	Other Protective Equipment:
Impervious gloves are recommended to prevent skin	Under normal application conditions, protective glasses,
contact.	gloves, and clothing are adequate.

Ventilation:

Provide adequate ventilation to maintain airborne concentrations below OSHA PELs.

SECTION 9 – SPECIAL PRECAUTIONS OR OTHER COMMENTS

Storage/Handling:

Store in cool, dry, well ventilated facility. Store and use away from all sources of direct heat and ignition. Keep containers closed when not in use.

Other Precautions:

Provide adequate ventilation and avoid prolonged or repeated contact with the skin. Wash with soap and water after contact.

Work/Hygienic Practices:

Maintain good personal hygiene practices. Wash contaminated clothing before reuse. Do not eat, drink, or smoke in work areas. Wash exposed skin before eating, drinking, smoking, or applying cosmetics.

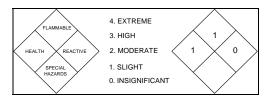
SECTION 10 - TRANSPORTATION

Regulatory Agency: U.S.A., DOT, IMO	Identification Number: UN 1133	Labels Required: Flammable Liquid	Proper Shipping Name: Adhesives	
Hazard Classification: 3	Packing Group: III	Other Requirements: 49 CFR 172.101 Adhesives Pg. 3174, Flash Point -18°	s, UN1133, IMDG Class 3.2, C	
SECTION 11 – MISCELLANEOUS INFORMATION				
Additional Comments: None	Date of Previous MSDS: March 21, 2007	Telephone Number for Additional Info (574) 293-9096	ormation:	
Changes Since Previous MSDS: Comment change in sections: 1 thru 9 Add sections: 10,11				

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MATERIAL SAFETY DATA SHEET ROOFING PRODUCTS INTERNATIONAL, INC. MSDS 317 RPI RE-FLEX UNCURED FLASHING WITH TAPE



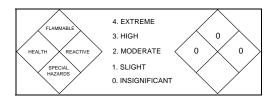
SECTION 1 – PRODUCT IDENTIFICATION							
Product Name: RPI Re-Flex Uncured Fla	shing With Ta	ape		rgency Telephone 1 9300 CHEM			
		Manufacturer Roofing I		rnational, Inc.			
Chemical Family:			Manufacturer		national, me.		
Mixture					art, IN 46517-1	078	
Chemical Formula: N/A				NFPA Acute Hazard Rating: Health 1, Flammability 1, Reactivity 0			
IN/A				Hazard Rating:	y 1, Reactivity		
					y 1, Reactivity ()	
	SECTI	ON 2 – CHEMIC	AL COMI	POSITION			
Ingredient Components (chemical nan Hazardous Components 1% Carcinogens 0.1% or greate	or greater;	% wt or % vol	Case No.	% wt or % vol	OSHA STEL	OSHA PEL ACGIH	ACGIH TLV
Solids (by weight)							
Non-Hazardous Ingredier	nts	100					
Total		100					
There are no recognized haz	ards associated	l with normal use of t	his product.				
	SECTION 3	- PHYSICAL &	CHEMICA	AL CHARA	CTERISTICS		
Appearance/Odor: Black solid with white solid tape on one side, no odd	•	Physical State: Solid			Solubility in Water: Insoluble		
Boiling Point: N/A		Specific Gravity (HO=1) 0.90-1.20			Melting Point: N/A		
Vapor Pressure: N/A		Vapor Density (Air=1) N/A			Freezing Point: N/A		
Percent Volatiles: N/A		Evaporation Rate: N/A			Reactivity in Water: None		
pH (Full Strength) N/A		pH (Recommended Dilution): N/A					

SECTION 4- FIRE & EXPLOSION HAZARD DATA				
Flash Point:	Flammable Limits (in air):			
>200°F	LEL: N/A UEL: N/A			
Extinguishing Media: Dry chemical and CO ² can also be used.	Fire Fighting Procedures: Firefighters should wear full protective clothing including self-contained breathing apparatus to prevent inhalation of smoke and decomposition products.			
Hazardous Decomposition Products:	Special Fire & Explosion Hazards:			
In the event of combustion, carbon dioxide, smoke, methane, propane, and other decomposition products may be released.	None			
Method Used: Estimate based on flash point of most volatile component.	Auto-Ignition Temperature: N/A			
SECTION- 5 HEAL	TH HAZARD DATA			
Permissible Exposure Limit:	Signs and Symptoms of Exposure:			
N/A				
Effects of Overexposure: Toxic fumes may be released during fire. Exposure to fumes may aggravate pre-existing eye, lung, and skin conditions.	 Under normal conditions of use, this product will not release or otherwise result in exposure to hazardous chemicals. 			
Acute:	Carcinogenicity:			
Irritation, redness Chronic:	IARC, NTP, and OSHA do not list this product as a			
N/A	carcinogen.			
Emergency & First Aid Procedures: Eye Contact:				
Can cause irritation, redness, tearing, blurred vision. Skin Contact:				
Not normally hazardous Inhalation:				
Not normally hazardous unless at elevated temperatures. Remove to fresh air. Ingestion:				
Induce vomiting. Consult a Physician Primary Route of Entry:				
None				
SECTION	6 – REACTIVITY DATA			
Stability: Stable	Incompatibility: None			
Hazardous Decomposition Products:	Hazardous Polymerization:			
Carbon monoxide, methane, propane, aldehydes and other organic matter may be released during a fire.	Will not occur			
Conditions to Avoid: N/A				
SECTION 7 - SPILL OR LEAK PROCEDURES				
Steps to be taken in case material is released or spilled: Small spill:				
Scoop or shovel material into sealed containers.				
Large Spill: Same as small spill.				
Waste Disposal Method:				
If this product becomes a waste, it does not meet the criteria of a hazardous waste as defined under RCRA 40CFR261. Dispose of in accordance with local, state, and federal regulations.				

SECTION 8 – SPECIAL PROTECTION				
Respiratory Protection:	Eye Protection:			
NA	Safety glasses with side shields recommended.			
Protective Gloves:	Other Protective Equipment:			
Not Required	None required under normal installation conditions.			
Ventilation:				
No respirator needed.				
SECTION 9 – SPECIAL PRECAU	TIONS OR OTHER COMMENTS			
Storage/Handling: Store in cool, dry, well ventilated facility.				
Other Precautions: Store material in original shipping packaging.				
Work/Hygenic Practices: Maintain good personal hygiene practices. Product is easily remo and water.	wed with waterless hand cleaner followed by washing with soap			
SECTION 10 - TR	ANSPORTATION			
Regulatory Agency: Not Regulated. All components are included in the EPA Toxic Substance Control Act (TSCA) Chemical Substance Inventory	Identification Number: Not Applicable			
Proper Shipping Name: Not Applicable	Labels Required: Not Applicable			
Hazard Classification: EPA SARA Title III hazard class (40CFR370): None EPA SARA Title III Section 313 (40CFR372): None EPA SARA Title III (40CFR355): There are no components present in this product at a level which would require reporting.	Other Requirements: Not Applicable			
SECTION 11 – MISCELLANEOUS INFORMATION				
Additional Comments: None				
Date of Previous MSDS: October 10, 2006				
Changes Since Previous MSDS: Comment change in sections: 1 thru 9				
Add sections: 10,11				
Telephone Number for Additional Information: (574) 293-9096				
DISCLAIMER				

The information contained herein is based on data considered accurate which has been obtained from other companies and organizations. However, no warranty or representation is expressed or implied that the information is accurate, complete, or representative. Roofing Products International, Inc. assumes no responsibility for injury to the buyer, the buyer's employees, or any third persons if reasonable safety procedures are not followed.

MATERIAL SAFETY DATA SHEET ROOFING PRODUCTS INTERNATIONAL, INC. MSDS 318 RPI RE-FLEX .045 TPO MEMBRANE



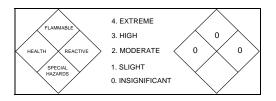
SECTION 1 – PRODUCT IDENTIFICATION							
Product Name: RPI Re-Flex .045 TPO (products trade name on label)		24 Hour Emergency Telephone Number: 800-424-9300 CHEMTREC					
Chemical Name/Synonyms:Product Code:Thermo Plastic OlifinT45W(white), T45G(grey), T45T(tan)				Products I	nternational, Inc.		
Chemical Family: Mixture			Manufacturer 57460 De		lkhart, IN 46517-1	.078	
Chemical Formula: N/A			NFPA Acute	Hazard Rating	; ility 0, Reactivity (
IN/A			HMIS Acute	Hazard Rating	:		
					oility 0, Reactivity	0	
		ON 2 – CHEMIC					
Ingredient Components (chemical na Hazardous Components 1% Carcinogens 0.1% or greate	or greater;	% wt or % vol	Case No.	% wt or %	vol OSHA STEL	OSHA PEL ACGIH	ACGIH TLV
Solids (by weight)							
Non-Hazardous Ingredier	nts	100					
Total		100					
There are no recognized haz	zards associated	l with normal use of t	his product.				
	SECTION 3	- PHYSICAL &	CHEMICA	AL CHAI	RACTERISTICS	5	
Appearance/Odor: White solid with no odor.		Physical State: Solid			Solubility in Water: Insoluble		
Boiling Point:		Specific Gravity (HO=1)			Melting Point:		
N/A		0.90-1.20			350 °F		
Vapor Pressure:		Vapor Density (Air=1)			Freezing Point:		
N/A		N/A			N/A		
Percent Volatiles:		Evaporation Rate:			Reactivity in Water:		
N/A		N/A			None		
pH (Full Strength)		pH (Recommended Dilutio	on):		Refraction Index:		
N/A		N/A			N/A		

SECTION 4- FIRE & EXPLOSION HAZARD DATA					
Flash Point:	Flammable Limits (in air):				
N/A	LEL: N/A UEL: N/A				
Extinguishing Media:	Fire Fighting Procedures:				
Dry chemical and CO ² can also be used.	Firefighters should wear full protective clothing including self-contained breathing apparatus to prevent inhalation of smoke and decomposition products.				
Hazardous Decomposition Products:	Special Fire & Explosion Hazards:				
In the event of combustion, carbon dioxide, smoke, methane,	None				
propane, and other decomposition products may be released.					
Method Used: Estimate based on flash point of most volatile component.	Auto-Ignition Temperature: 600-770°F				
SECTION- 5 HEAL	TH HAZARD DATA				
Permissible Exposure Limit:	Signs and Symptoms of Exposure:				
N/A					
Effects of Overexposure:	Under normal conditions of use, this product will not release				
Toxic fumes may be released during fire. Exposure to fumes	or otherwise result in exposure to hazardous chemicals.				
may aggravate pre-existing eye, lung, and skin conditions.					
Acute:	Carcinogenicity:				
N/A					
Chronic:	IARC, NTP, and OSHA do not list this product as a				
	carcinogen.				
N/A					
Emergency & First Aid Procedures:					
Eye Contact: Can cause irritation, redness, tearing, blurred vision.					
Skin Contact:					
Not normally hazardous					
Inhalation:					
Not normally hazardous unless at elevated temperatures. Remove to fresh air. Ingestion:					
Induce vomiting. Consult a Physician					
Primary Route of Entry:					
None					
SECTION	6 – REACTIVITY DATA				
Stability:	Incompatibility:				
Stable	None				
Hazardous Decomposition Products:	Hazardous Polymerization:				
Carbon monoxide, methane, propane, aldehydes and other	Will not occur				
organic matter may be released during a fire.	will not occur				
Conditions to Avoid: N/A					
SECTION 7 - SPILL OR LEAK PROCEDURES					
Steps to be taken in case material is released or spilled: Small spill:					
Scoop or shovel material into sealed containers. Large Spill:					
Same as small spill.					
Waste Disposal Method:					
If this product becomes a waste, it does not meet the criteria of a	hazardous waste as defined under RCRA 40CFR261. Dispose				
of in accordance with local, state, and federal regulations.					

SECTION 8 – SPECIAL PROTECTION				
espiratory Protection: Eye Protection:				
NA	Safety glasses with side shields recommended.			
Protective Gloves:	Other Protective Equipment:			
Not Required	None required under normal installation conditions.			
Ventilation:				
No respirator needed.				
SECTION 9 – SPECIAL PRECAU	TIONS OR OTHER COMMENTS			
Storage/Handling: Store in cool, dry, well ventilated facility.				
Other Precautions: Store material in original shipping packaging.				
Work/Hygenic Practices: Maintain good personal hygiene practices. Product is easily removed with waterless hand cleaner followed by washing with soap and water.				
SECTION 10 - TR	ANSPORTATION			
Regulatory Agency: Not Regulated. All components are included in the EPA Toxic Substance Control Act (TSCA) Chemical Substance Inventory	Identification Number: Not Applicable			
Proper Shipping Name: Not Applicable	Labels Required: Not Applicable			
Hazard Classification:Other Requirements:EPA SARA Title III hazard class (40CFR370): NoneNot ApplicableEPA SARA Title III Section 313 (40CFR372): NoneNot ApplicableEPA SARA Title III (40CFR355): There are no components present in this product at a level which would require reporting.Other Requirements:				
SECTION 11 – MISCELL	ANEOUS INFORMATION			
Additional Comments: None				
Date of Previous MSDS: October 10, 2006				
Changes Since Previous MSDS: Comment change in sections: 1 thru 9 Add sections: 10,11				
Telephone Number for Additional Information: (574) 293-9096				
DISCL	AIMER			
The information contained herein is based on data considered accurate which has been obtained from other				

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MATERIAL SAFETY DATA SHEET ROOFING PRODUCTS INTERNATIONAL, INC. MSDS 319 RPI RE-FLEX .060 TPO MEMBRANE



SECTION 1 – PRODUCT IDENTIFICATION							
Product Name: RPI Re-Flex .060 TPO (products trade name on label)			24 Hour Emergency Telephone Number: 800-424-9300 CHEMTREC				
Chemical Name/Synonyms: Product Code: Thermo Plastic Olifin T60W(white), T60G(grey), T60T(tan)		Manufacturer Roofing I		ternational, Inc.			
Chemical Family: Mixture				witt St., Ell	khart, IN 46517-1	078	
Chemical Formula: N/A				Hazard Rating: Flammabi l	ity 0, Reactivity	0	
				Hazard Rating: Flammabi l	ity 0, Reactivity	0	
	SECTI	ON 2 – CHEMIC	AL COMP	OSITION			
Ingredient Components (chemical na Hazardous Components 1% Carcinogens 0.1% or greate	6 or greater;	% wt or % vol	Case No.	% wt or % vo	I OSHA STEL	OSHA PEL ACGIH	ACGIH TLV
Solids (by weight) Non-Hazardous Ingredie	nte	100					
Total	1115	100					
There are no recognized ha	zards associated		his product.				
	SECTION 3	– PHYSICAL &	CHEMICA	AL CHAR	ACTERISTICS	•	
Appearance/Odor: Physical State:				Solubility in Water: Insoluble			
White solid with no odor. Boiling Point: N/A		Solid Specific Gravity (HO=1) 0.90-1.20	Melting Point: 350 °F				
Vapor Pressure: N/A		Vapor Density (Air=1) N/A]	Freezing Point: N/A		
Percent Volatiles: N/A		Evaporation Rate: N/A]	Reactivity in Water: None		
pH (Full Strength) N/A		pH (Recommended Dilution N/A					
	SECTION	N 4- FIRE & EXP	LOSION H	IAZARD	DATA		
Flash Point: N/A		Flammable Limits (in air): LEL: N/A UEL: N/A					
Hazardous Decomposition Products: In the event of combustion, carbon dioxide, smoke, methane, propane, and other decomposition products may be released.		Fire Fighting Procedures: Firefighters should wear full protective clothing including self-contained breathing apparatus to prevent inhalation of smoke and decomposition products.					
Extinguishing Media: Dry chemical and CO ² can also be used.		Special Fire & Explosion Hazards: None					
Method Used: Estimate based on flash point of most volatile component.		Auto-Ignition Temperature: 600-770°F					

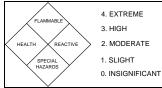
SECTION 4- FIRE & EXPLOSION HAZARD DATA					
Flash Point: N/A			Flammable Limits (in air): LEL: N/A UEL: N/A		
In the event of combustion, carbon dioxide, smoke, methane, propane, and other decomposition products may be released.			Firefighters should wear full protective clothing including self-contained breathing apparatus to prevent inhalation of smoke and decomposition products.		
Extinguishing Media: Dry chemical and CO ² c	an also be used.		None		
Method Used: Estimate based on flash	point of most volatil	e component.	Flammable Limits (in air): LEL: N/A UEL: N/A Fire Fighting Procedures: Firefighters should wear full protective clothing including self-contained breathing apparatus to prevent inhalation of smoke and decomposition products. Special Fire & Explosion Hazards: None Auto-Ignition Temperature: 600-770°F TH HAZARD DATA Signs and Symptoms of Exposure: Under normal conditions of use, this product will not release or otherwise result in exposure to hazardous chemicals. Carcinogenicity: IARC, NTP, and OSHA do not list this product as a carcinogen.		
	SEC	TION- 5 HEAL	TH HAZARD DATA		
Permissible Exposure Limit: Acute: Chronic: N/A N/A N/A Effects of Overexposure: Toxic fumes may be released during fire. Exposure to fumes		N/A	Under normal conditions of use, this product will not release or otherwise result in exposure to hazardous chemicals. Carcinogenicity:		
Eye Contact: Can cause irritation, redness, tearing, blurred vision. Skin Contact: Not normally hazardous Inhalation: Not normally hazardous unless at elevated temperatures. Remove to fresh air. Ingestion: Induce vomiting. Consult a Physician Primary Route of Entry: None					
		SECTION	6 – REACTIVITY DATA		
Stability: Stable			Incompatibility: None		
Hazardous Decomposition Products: Carbon monoxide, methane, propane, aldehydes and other organic matter may be released during a fire.			Hazardous Polymerization: Will not occur		
Conditions to Avoid: N/A					
	SECTIO	N 7 - SPILL OF	R LEAK PROCEDURES		
Steps to be taken in case material is released or spilled: Small spill: Scoop or shovel material into sealed containers. Large Spill: Same as small spill. Waste Disposal Method:					
If this product becomes a waste, it does not meet the criteria of a hazardous waste as defined under RCRA 40CFR261. Dispose					

of in accordance with local, state, and federal regulations.

SECTION 8 – SPECIAL PROTECTION				
Respiratory Protection: NA	Eye Protection: Safety glasses with side shields recommended.			
Protective Gloves:Ventilation:Not RequiredNo respirator needed.	Other Protective Equipment: None required under normal installation conditions.			
SECTION 9 – SPECIAL PRECA	UTIONS OR OTHER COMMENTS			
Storage/Handling: Store in cool, dry, well ventilated facility.				
Other Precautions: Store material in original shipping packaging.				
Work/Hygenic Practices: Maintain good personal hygiene practices. Product is easily rem and water.	oved with waterless hand cleaner followed by washing with soap			
SECTION 10 - TI	RANSPORTATION			
Regulatory Agency: Not Regulated. All components are included in the EPA Toxic Substance Control Act (TSCA) Chemical Substance Inventory	Identification Number: Not Applicable			
Proper Shipping Name: Not Applicable	Labels Required: Not Applicable			
Hazard Classification: EPA SARA Title III hazard class (40CFR370): None EPA SARA Title III Section 313 (40CFR372): None EPA SARA Title III (40CFR355): There are no components present in this product at a level which would require reporting	Other Requirements: Not Applicable			
SECTION 11 – MISCELLANEOUS INFORMATION				
Additional Comments: None				
Date of Previous MSDS: October 10, 2006				
Changes Since Previous MSDS: Comment change in sections: 1 thru 9 Add sections: 10,11				
Telephone Number for Additional Information: (574) 293-9096				
DISCLAIMER				
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MATERIAL SAFETY DATA SHEET ROOFING PRODUCTS INTERNATIONAL, INC.

MSDS 320 ROYAL EDGE LOW VOC BONDING ADHESIVE SOLVENT BASED



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SECTION 1 – PRODUCT IDENTIFICATION							
Product Name: Royal Edge Low VOC Bonding Adhesive Solvent Based			24 Hour Emergency Telephone Number: 800-424-9300 CHEMTREC				
Chemical Name/Synonyms:Product Code:Solvent Based AdhesiveBAS5GLV (5-gallon)		Manufacturer's Name/Address: Roofing Products International, Inc.					
Chemical Formula:			Dewitt St., E Acute Hazard Rating	Elkhart, IN 4651	7-1078		
Not Established				^{g:} bility 3, Reactivit	tv O		
Chemical Formula:		HMIS A	cute Hazard Rating	g:	•		
Polychloroprene Based Adhesive		Health	h 2, Flammal	bility 3, Reactivit	y 0		
SEC	TION 2 – CHI	EMICA	L COMPO	SITION			
Ingredient Components (chemical names) Commo Names Hazardous components 1% or greater	COMMON NAME	Ξ	% (by wt)	CASE NO.	OSHA PEL-TWA	ACGIH TLV-TWA	
Tert-butyl Acetate	Tert-butyl Acetate Acetic Acid		30-60	540-88-5	200 ppm	200 ppm	
Toluol	Toluene		1-6	108-88-3	200 ppm OSHA CEIL: 300 ppm	20 ppm	
Acetone	Methyl Ketone		10-40	67-64-1	1000 ppm	500 ppm acgih stel: 750 ppm	
Acetic Acid, Methyl Ester	Methyl Acet	ate	1-15	79-20-9	200 ppm	200 ppm ACGIH STEL: 750 ppm	
Nonhazardous as per CFR 1910.1200	None		< 58	TSCA Registered	I Non Est		
SECTION 3 -	- PHYSICAL &	& CHE	MICAL CH	IARACTERIS	FICS		
Appearance/Odor:	Physical State:			Solubility in Wa	ater:		
Yellow liquid, with a strong solvent odor.			Insol		soluble, not miscible		
Boiling Point:	Specific Gravity (H ² O			Melting Point:			
131°F	0899		NA				
Vapor Pressure: @ 20° C (68° F):	Vapor Density (Air=				VOC Content:		
Volatiles: (% Wt or % Vol)	175 mm HgUnknownVolatiles: (% Wt or % Vol)Evaporation Rate: (B		a-1)	Ŭ	218 g/l		
77%	Unknown	utyi Acetat	<i>x</i> −1)	Solids Content: 22%	Solids Content:		
Weight per Gallon:	pH undiluted product	:			Ignition Temperature:		
7.45 +- 0.15 lb/gal	Unknown			869° F			

SECTION 4- FIRE & EXPLOSION HAZARD DATA				
Flash Point:	Flammable Limits (in air):			
 - 19° C, 2° F Extinguishing Media: Water fog followed by standard fire extinguishers-course stream. Dry chemical, carbon dioxide, and foam can also be used along with vaporizing liquid type agents. Water should be used to keep fire-exposed containers cool and to protect firefighters attempting to stop a leak/spill or extinguish a fire. Hazardous Decomposition Products: Carbon Dioxide, Carbon Monoxide, Oxides of Nitrogen, Sulfur Dioxide, and Hydrogen Chloride, (thermal 	LEL: 2.6 Vol %; UEL: 13 Vol % Fire Fighting Procedures: Use water spray to cool adjacent surfaces and fire exposed containers. Protect against inhalation of combustion products. Firefighters should wear full protective clothing including self-contained breathing apparatus to prevent inhalation of smoke and decomposition products. Toxic fumes and vapors may be involved. Special Fire & Explosion Hazards: This product is non-explosive, however formation of			
degradation products). Method Used:	explosive air/vapor mixtures are possible. Keep work areas free from open flames, sparks, hot metal surfaces and other sources of ignition. Ground objects			
Not Known	Keep work areas free from open flames, sparks, hot metal surfaces and other sources of ignition. Ground objects prone to static electricity.			
Auto-Ignition Temperature: This product is not self-igniting.	prone to static electricity.			
SECTION- 5 HEAL	TH HAZARD DATA			
Permissible Exposure Limit: Not Established Effects of Overexposure: Medical Conditions Aggravated By Exposure	Signs and Symptoms of Exposure: Dizziness, nausea or vomiting. Sensitive individuals may exhibit eye, nose, throat or dermal irritation with prolonged exposure to processing fumes or vapors.			
Toxic fumes may be released during fire. Exposure to fumes may aggravate pre-existing eye, lung, and skin conditions. Acute Toxicity: 108-88-3 Toluene	Chemical Listed as a Carcinogen (or Potential Carcinogen): Toluene is listed by IARC as a class 3, unclassifiable as to carinogenicity in humans.			
OralLD505000 mg/kg (ratDermalLD501214 mg/kg (rabbit)InhalativeLC50/4 h5320 mg/l (mouse)	Chronic: Excess exposure can cause CNS depression, headache, nausea, narcosis, and liver and kidney damage.			
Emergency & First Aid Procedures: Eye Contact: Flush with water and call physician Skin Contact: Clean with rubbing alcohol, followed by soap and water.	Inhalation: Remove to fresh air. Administer oxygen or artificial Respiration, if necessary. Call a physician.			
Primary Irritant: to eyes: Irritating effect to skin: Irritant to skin and mucous membranes	Ingestion: Consult a physician. DO NOT INDUCE VOMITING Primary Route of Entry: Inhalation .			
	ACTIVITY DATA			
Stability: Stable at ambient temperatures and pressures Hazardous Decomposition Products: Toxic gases or vapors, such as oxides of carbon and nitrogen along with trace of HCL may be released during a fire.	Incompatibility: Strong oxidizers, acids, bases. Hazardous Polymerization: NA			
a nre. Conditions to Avoid: Open flames and sparks. Closed areas that restrict adequa water, water course, or sewage systems. Toxic to aquatic l	8			

SECTION 7 – SPILL OR LEAK PROCEDURES

Steps to be taken in case material is released or spilled:

Small spill: Absorb using inert material. Use non-sparking tools. Transfer into secure containers for proper disposal. Use personal protective equipment as outlined below.

Large Spill:

Same as small spill.

Waste Disposal Method:

Dispose of as a hazardous waste in accordance with EPA/RCRA regulations 40CFR261 21(a) (1) Ignitability: D001

SECTION 8 – SPECIAL PROTECTION

Respiratory Protection: Use NIOSH-Certified respiratory protection for organic vapor if necessary.	Eye Protection: Impervious glasses recommended
Protective Gloves:	Other Protective Equipment:
Impervious gloves are recommended to prevent skin	Under normal application conditions, protective glasses,
contact.	gloves, and clothing are adequate.

Ventilation:

Provide adequate ventilation to maintain airborne concentrations below OSHA PELs.

SECTION 9 – SPECIAL PRECAUTIONS OR OTHER COMMENTS

Storage/Handling:

Store in cool, dry, well ventilated facility. Store and use away from all sources of direct heat and ignition. Keep containers closed when not in use.

Other Precautions:

Provide adequate ventilation and avoid prolonged or repeated contact with the skin. Wash with soap and water after contact.

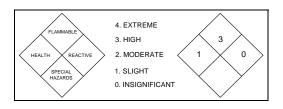
Work/Hygienic Practices:

Maintain good personal hygiene practices. Wash contaminated clothing before reuse. Do not eat, drink, or smoke in work areas. Wash exposed skin before eating, drinking, smoking, or applying cosmetics.

SECTION 10 - TRANSPORTATION				
Regulatory Agency: U.S.A., DOT, IMO	Identification Number: UN 1133	Labels Required: Flammable Liq	uid	Proper Shipping Name: Adhesives
Hazard Classification:	Packing Group:	Other Requirement	nts:	
3	п	None Known		
S	SECTION 11 – MISCELI	LANEOUS INF	ORMATI	ON
Date of Previous MSDS: None	Telephone Number for Additional Information:Changes Since Previous MSDS:(574) 293-9096NONE: New product			
Additional Information:				
VOC Rule 1168 for OTC: 215 gm/	1			
VOC: 52 gm/l				
DISCLAIMER				
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MATERIAL SAFETY DATA SHEET ROOFING PRODUCTS INTERNATIONAL, INC. MSDS 321 ROYAL EDGE LOW VOC PRIMER/ACTIVATOR



SECTION 1 – PRODUCT IDENTIFICATION					
Product Name:		24 Hour Emergency Telephone Number:			
Royal Edge Low VOC Primer/A		800-424-9300 CHEMTREC			
Chemical Name/Synonyms:	Product Code:	Manufacturer's Name:			
Sythetic Rubber Polymers	PA1GLV (1-gallon)	Roofing Products International, Inc.			
Chemical Family:		Manufacturer's Address:			
Mixture		57460 Dewitt St., Elkhart, IN 46517-1078			
Chemical Formula:		NFPA Acute Hazard Rating:			
Not Established		Health 1, Flammability 3, Reactivity 0			
		HMIS Acute Hazard Rating:			
		Health 1, Flammability 3, Reactivity 0			
	SECTION 2 – CHEN	MICAL COMPOSITION			
Ingredient Components (chemical	names)	Case No. % by Weight			
Heptane		142-82-5 5-20			
PEL 2000 mg/m ³ , 500 ppm REL Short-term value: C 1800	* mg/m ³ C 110* nnm				
Long-term value: 350 mg					
*15-min	, in , oc ppin				
Long-term value: 1640 mg/m ³ , 400 ppm					
Ű	4-chloro-alpha, alpha, alpha-trifluorotoluene (oxsol 100) 98-56-6 65-85				
SI	ECTION 3 – PHYSICAL &	CHEMICAL CHARACTERISTICS			
Appearance/Odor:	Physical State:	Solubility in Water:			
Thin clear liquid, characteristic of	odor Liquid	Insoluble			
Boiling Point:	Specific Gravity (H	HO=1) Melting Point:			
98° C (208°F)	1.13 (Water=1)	NA			
Vapor Pressure: @ 20°C, 68°F	Vapor Density (Ai	, e			
48.0 hPa (36 mm Hg)	3.6	Not Established			
Percent Volatiles:	Evaporation Rate:	Reactivity in Water:			
85 %	(ethyl ether = 1):	3.5 Not Established			
Organic Solid Content: 90.5%	Percent Solids (by 9.5%	y weight): Ignition Temperature: 215° C (419° F)			
Additional Information:	Additional Information:				
VOC: 1.79 lbs/gal					
215 g/l SCAQMD RULE 1	168 METHOD				
WEIGHT PER GALLON	: 9.4 lbs				

SECTION 4- FIRE & EXPLOSION HAZARD DATA				
Flash Point: -4°C (25 F°)	Flammable Limits (in air): LEL: 1.1%; UEL: 7.0%			
Extinguishing Media: Dry chemical (extinguishing powder), CO2, or sand.	Fire Fighting Procedures: Use water spray to cool adjacent surfaces and fire exposed			
Do not use water as an extinguishing agent. Do not flush with water or aqueous cleansing agents. Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, or sawdust).	containers. Protect against inhalation of combustion products. Treat as "Class B" fire. Firefighters should wear full protective clothing including self- contained breathing apparatus to prevent inhalation of smoke and decomposition products. Toxic fumes and vapors may be involved.			
Hazardous Decomposition Products: Thermal Degradation products: Oxides of carbon, nitrogen and hydrocarbons, hydrogen bromide. Irritating fumes.	Special Fire & Explosion Hazards: Flammable liquid. Vapors are heavier than air and can flow along surfaces to ignition sources and flash-back. Keep work areas free from open flames, sparks, hot metal surfaces and other sources of ignition. Ground objects prone to static electricity.			
Method Used: Estimate based on the flash point of the most volatile component.	Auto-Ignition Temperature: Product in not self-1igniting			
SECTION- 5 HEALTH HAZARD DATA				
Permissible Exposure Limit: Not Established Effects of Overexposure: Medical Conditions Aggravated By Exposure. Toxic fumes may be released during fire. Exposure to fumes may aggravate pre-existing eye, lung, and skin conditions.	Signs and Symptoms of Exposure: Eye contact may cause severe eye irritation, redness, tearing and blurred vision. Prolonged skin contact may cause irritation, dermatitis and drying of the skin. Other symptoms are dizziness, nausea or vomiting. Sensitive individuals may exhibit eye, nose, throat or dermal irritation with prolonged exposure to processing fumes or vapors. Inhalation may cause repiratory system irritation and central nervous system depression (Narcosis) fatigue.			
Acute: Irritation to eyes, lungs, and mucous membranes Chronic:	Chemical Listed as a Carcinogen (or Potential Carcinogen): National Toxicology Program: NO			
Excess exposure can cause CNS depression, headache, nausea, narcosis, and liver and kidney damage.	L.A.R.C. Monographs: NO OSHA: NO			
Emergency & First Aid Procedures: Eye Contact: Hold eyes open and flush immediately with a gentle stream of wat Call physician Skin Contact: Clean with rubbing alcohol, followed immediately by washing affe Inhalation: Remove to fresh uncontaminated air. Administer oxygen or artific Ingestion: Consult a Physician. DO NOT INDUCE VOMITING Primary Route of Entry: Inhalation, skin absorption.	ected area with soap and water.			

Emergency & First Aid Procedures:		
Eye Contact:		
Hold eyes open and flush immediately with a gentle stream of wate	er for at least 15 minutes, preferable at an eyewash fountain. Call	
physician Skin Contact:		
	ated area with soon and water	
Clean with rubbing alcohol, followed immediately by washing affe Inhalation:	cieu area with soap and water.	
Remove to fresh uncontaminated air. Administer oxygen or artific	ial requirection if necessary Call physician	
Ingestion:	iai respiration, il necessary. Can physician.	
Consult a Physician. DO NOT INDUCE VOMITING		
Primary Route of Entry:		
Inhalation, skin absorption.		
	EACTIVITY DATA	
Stability:	Incompatibility:	
Stable at ambient temperatures and pressures	Strong oxidizers, acids, bases.	
Hazardous Decomposition Products:	Hazardous Polymerization:	
Partial combustion may release toxic gases or vapors, such as		
oxides of carbon and nitrogen along with traces of HCL.	Will not occur.	
Conditions to Avoid:	will not occur.	
Open flames, sparks, and closed areas that restrict adequate ventilation.		
SECTION 7 - SPILL OI	R LEAK PROCEDURES	
Steps to be taken in case material is released or spilled:		
Small spill:		
Shut off and eliminate all ignition sources. Recover released produ		
materials. Minimize skin contact. Use non-sparking tools. Ventilate		
extensive land areas. Assure conformity with applicable governme		
disposal. Avoid static electricity build-up by grounding a fixed equ	ipment and transfer containers. Use personal protective	
equipment as outlined below.		
Large Spill:		
Same as small spill.		
Waste Disposal Method:		
Dispose of as a hazardous waste in accordance with EPA/RCRA regulations 40CFR261 21: Ignitability		
Do not dispose with housefold garbage. Dispose according to local, state, and federal regulations.		
Water Hazard Class:		
Class 2, self assessment. Do not allow product to contaminate ground water, water course, or sewage systems.		
Danger to drinking water even in small amounts. Poisonous to fish, plankton, and other aquatic organisms.		
Dispose of as a hazardous waste in accordance with EPA/RCRA regulations 40CFR261 21: Ignitability		
SECTION 8 – SPECIAL PROTECTION		
Respiratory Protection:	Eye Protection:	
In areas with inadequate ventilation, the use of a NIOSH-		
Certified respiratory protection for organic vapor is	Impervious glasses recommended	
recommended.		
Protective Gloves:	Other Protective Equipment:	
Polyvinyl alcohol, nitrile rubber, or neoprene gloves are	Under normal application conditions, protective glasses, gloves,	
recommended to prevent skin contact.	and clothing are adequate.	
Ventilation:		
Provide adequate ventilation to maintain airborne concentrations below OSHA PELs.		

SECTION 9 – SPECIAL PRECAUTIONS OR OTHER COMMENTS

Storage/Handling:

Store in cool, dry, well ventilated facility. Store and use away from all sources of sparks, direct heat and ignition. Keep containers closed when not in use. Vapors of this material are heavier than air and will collect in low or confined areas. Empty containers can contain explosive vapors. Bond and ground all fixed and transfer equipment.

Other Precautions:

Provide adequate ventilation and avoid prolonged or repeated contact with the skin. Wash with soap and water after contact.

Work/Hygienic Practices:

Maintain good personal hygiene practices. Wash contaminated clothing before reuse. Do not eat, drink, or smoke in work areas. Wash exposed skin before eating, drinking, smoking, or applying cosmetics.

SECTION 10 - '	TRANSPORTATION	
Regulatory Agency:	DOT Identification Number:	
U.S.A., DOT	UN1133	
DOT Proper Shipping Name:	DOT Labels Required:	
Adhesive	Adhesives, containing flammable Liquid	
DOT Hazard Classification:	DOT Packing Group:	
3	П	
EPA SARA Title III (40CFR355): There are no components present in the product at a level which would require reporting.		
This product contains a chemical that is listed on the following states	s hazardous material list.	
Pennsylvania Hazardous Substance List: YES		
New Jersey Workplace Hazardous Substance List: YES		
Massachusetts Substance List: YES		
Canada (WHMIS) Ingredient Disclosure List: YES		
California PropOosition 65 (Safe Drinking Water and Toxic Enforcement Act of 1986):		
This product contains listed substances, which the State of California has found to cause cancer, birth defects, or other		
reproductive harm, which would require a warning under the statute. Toluene CAS 108-88-3		
EPA SARA Title III Section 313 (40CFR372): Aromatic hydrocarbon solvent C.A.S. # 108-88-3 20-40%.		
SECTION 11 – MISCELLANEOUS INFORMATION		
Additional Comments:		

Additional Comments:

NA

Date of Previous MSDS:

None

Changes Since Previous MSDS: None, new product

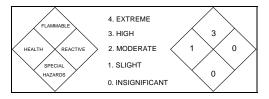
Telephone Number for Additional Information: (574) 293-9096

DISCLAIMER

The information contained herein is based on data considered accurate which has been obtained from other companies and organizations. However, no warranty or representation is expressed or implied that the information is accurate, complete, or representative. Roofing Products International, Inc. assumes no responsibility for injury to the buyer, the buyer's employees, or any third persons if reasonable safety procedures are not followed.

MATERIAL SAFETY DATA SHEET ROOFING PRODUCTS INTERNATIONAL, INC.

MSDS 322 ROYAL EDGE LVOC MEMBRANE CLEANER



SECTION 1 – PRODUCT IDENTIFICATION				
Product Name: Royal Edge LVOC Membrane Cleaner		24 Hour Emergency Telephone Number: 800-424-9300 CHEMTREC		
Chemical Name/Synonyms: Product Code: N/A MCLV		Manufacturer's Name: Roofing Products International, Inc.		
Chemical Family: Mixture		Manufacturer's Address: 57460 Dewitt St., Elkhart, IN 46517-1078		
Chemical Formula: N/A		NFPA Acute Hazard Rating: Health 1, Flammability 3, Reactivity 0		
		HMIS Acute Hazard I Health 1, Flam	Rating: mability 3, Reactivity 0	
	SECTI	ION 2 – CHEMICA	AL COMPOSI	FION
Ingredient Components (chemica	l names)	% wt or %vol	Case No.	PEL
Tert-Butyl Acetate		100%	540-88-5	950 mg/m3, 200ppm
				TLV 950 mg/m3, 200ppm
				REL
				950 mg/m3, 200ppm
SECTION 3 – PHYSICAL & CHEMICAL CHARACTERISTICS				
Appearance/Odor:		Physical State: Liquid		Solubility in Water:
Clear colorless liquid wit Boiling Point:	h solvent odor.	Specific Gravity (HO=1)		insoluble Melting Point:
208°F (98°C) .86			N/A	
Danger of Explosion: Air/vapor mixtures may	he evolosive	Organic Solvents: 100%		Weight Per Gallon: 7.17 lbs.
	•			
	SECTIC	ON 4- FIRE & EXP	PLOSION HAZ	ARD DATA
Flash Point:		Flammable Limits (in air): LEL: 1.0% UEL: 7%		
59°F (15°C) Extinguishing Media:		Fire Fighting Procedures:		
Fight large fires with alcohol resistant foam or water spray.		Limit fire fighting to those trained to do so. Firefighters should		
Co2, extinguishing powder, or water spray can be used. Fight		apparatus to pre	ive clothing including self-contained breathing went inhalation of smoke and decomposition fumes and vapors may be involved.	
Hazardous Decomposition Products:		Special Fire & Explose		
nazardous Decomposition i roducts.		Material is volatile and gives off vapors which may		
In the event of combustion, carbon dioxide, smoke, carbon		0	ground or be moved by ventilation and ignited pilot lights, electric motors, welders, heaters,	
compound and other decomposition products may be released.			of ignition at far from the application point.	
		Welding or cutti	ng on or near empty containers may result in	
Method Used:	Method Used:		vapor ignition an	
Estimate based on flash point of most volatile component.		Auto-Ignition Temper Undetermined	aunt.	

SECTION- 5 HEALTH HAZARD DATA		
Primary Routes of Entry: Inhalation X Skin Absorption X Ingestion X None	Signs and Symptoms of Exposure:	
Effects of Overexposure: Toxic fumes may be released during fire. Exposure to fumes may aggravate pre-existing eye, lung, and skin conditions.	Under normal conditions of use, this product will not release or otherwise result in exposure to hazardous chemicals.	
Acute: Inhalation: Breathing large amounts of vapor or mist may be harmful. Symptoms usually occur at air concentration higher than the recommended exposure limits. Ingestion: Swallowing this material may be harmful. Material may get into the lungs during swallowing or vomiting causing lung inflammation and injury. Eyes: May cause eye irritation. Symptoms include stinging, tearing, and redness. Skin: Can cause skin irritation. Prolonged or repeated contact can dry the skin. Symptoms include drying and cracking, burns, and other skin damage. Although unlikely during safe handling and use, material can be absorbed thru the skin. Carcinogen Listed In: NTP IARC Monograph OSHA Not Listed X	Chronic: Overexposure to this material (or its components), has been suggested as a cause of the following effects in laboratory animals: mild, reversible liver effects, and mild reversible kidney effects with kidney damage and cardiac sensitization. This material (or a component) has been shown to cause defects in laboratory animal studies. The relevance to humans is uncertain. This material has not caused cancer in laboratory animals. Ethylbenzene has been shown to cause cancer in laboratory animals but the relevance of this finding to humans is unclear. IARC (International Agency for Research on Cancer) has classified ethylbenzene as a possible human carcinogen. Benzene: Know to the state of California to cause cancer. Benzene and Toluene: Known to the state of California to cause reproductive harm.	

Emergency & First Aid Procedures:

Eye Contact: Move individual away from exposure and into fresh air. Flush eyes gently with clean water for at least 15 minutes while holding eyelids apart. If symptoms persist, seek medical attention.

Skin Contact: Remove contaminated clothing. Flush exposed area with large amounts of clean water. If skin is damaged, seek medical attention. If symptoms persist, seek medical attention. Launder or properly dispose of contaminated clothing. <u>Inhalation</u>: If symptoms develop, immediately move the individual away from exposure into fresh air. Seek immediate medical attention. If breathing is difficult, administer oxygen. If the person is not breathing, begin artificial respiration. Ingestion: Seek medical attention. If individual is drowsy or unconscious, place the individual on the left side with the head down.

Do not give anything by mouth. Contact a physician, medical facility, or poison control center for advice about wether to induce vomiting. Do not leave the individual un-attended.

Note to Physicians:

Inhalation of high concentrations of this material, may be associated with cardiac arrhythmias. Sympathomimetic drugs my initiate cardiac arrhythmias in persons exposed to this material. This material is an aspiration hazard. Potential danger from aspiration must be weighed against possible oral toxicity. (See section on Ingestion) when deciding wether to induce vomiting. Pre-existing disorders of the following organs, (or organ systems) may be aggravated by exposure to this material: skin, lung (asthma-like conditions), liver, kidney, and auditory system. Individuals with pre-existing heart disorders may be more susceptible to arrhythmias, (irregular heartbeats) if exposed to high concentrations of this material.

SECTION 6 – REACTIVITY DATA	
Stability: Stable	Incompatibility: Strong oxidizing agents.
Hazardous Decomposition Products: Carbon monoxide, carbon monoxide, and various	Hazardous Polymerization:
hydrocoarbons.	Will not occur
Conditions to Avoid:	

Fires, sparks, static electricity, and confined areas without ventilation.

SECTION 7 - SPILL OR LEAK PROCEDURES

Steps to be taken in case material is released or spilled:

Small spill: Eliminate all sources of ignition such as flares, electrical sparks, flames, and pilot lights. Absorb liquid on vermiculite, floor absorbent, or other absorbent material and transfer to proper collection containers.

Large Spill:

Stop spill at source. Eliminate all sources of flames, electrical sparks, and pilot lights. Persons not wearing protective equipment should be excluded from the spill and clean-up area until clean-up is complete. Prevent materials from entering drains, sewers, streams or other bodies of water. Prevent the spreading of spilled material. Using proper equipment, transfer spilled material to clean recovery containers. Absorb unrecoverable product and transfer the contaminated absorbent soil, debris, and other materials to containers for disposal. Promptly notify the proper authorities that a spill has occurred.

Waste Disposal Method:

Dispose accordance with applicable local, state, and federal regulations. Do not dispose in household garbage.

SECTION 8 – SPECIAL PROTECTION

Respiratory Protection:	Eye Protection:
If vapors exceed TLV, use self contained organic mask	Safety glasses with side shields are recommended.
MSHA/NIOSH approved.	
Protective Gloves:	Other Protective Equipment:
Chemical resistant gloves.	None required under normal installation conditions.
Variation: Local Exposet V Sufficient to keep you below TLV on DEL	

Ventilation: Local Exhaust X Sufficient to keep vapors below TLV or PEL

Mechanical (General) to maintain exposure below TLV ____X

SECTION 9 – SPECIAL PRECAUTIONS OR OTHER COMMENTS

Storage/Handling:

Store in cool, dry, well ventilated facility. Containers of this material may be hazardous when emptied. Emptied containers retain product residues (vapor, liquid, and/or solids). All hazard precautions given in the data sheet must be observed. All five gallon pails including larger containers such as tanker trucks, tank cars, must be properly grounded against static electricity. Hydrocarbon solvents are non-conductors of electricity and can become electrostatically charged during mixing, filtering or pumping at high flow rates. If the charge reaches a sufficiently high level, sparks can form that may ignite the vapors of flammable liquids.

Warning: Sudden release of hot organic chemical vapors or mists from process equipment operating at elevated temperature or pressure, or sudden ingress of air into vacuum equipment may result in explosions or ignitions without the presence of obvious ignition sources.

Other Precautions:

Store material in cool dry areas in original shipping packaging.

SECTION 10 – TRANSPORTATION	
Regulatory Agency:	Identification Number:
DOT	UN 1123
Proper Shipping Name:	Labels Required:
Not Applicable	Flammable
Hazard Classification:	Hazardous Substance:
3	Butyl Acetates

SECTION 11 – MISCELLANEOUS INFORMATION

Additional Comments:

None

Date of Previous MSDS: None. New Product

Changes Since Previous MSDS:

None

Telephone Number for Additional Information:

(574) 293-9096

DISCLAIMER

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