

*** Section 1. Identification****Product identifier:** Cut Edge Sealant

- **Trade name:** RPI Re-Flex TPO Cut Edge Sealant
- **Product Code:** TCES

Relevant identified uses of the substance or mixture

Sealant/caulk for single-ply membrane roofing systems.

Details of the supplier of the safety data sheet

- **Manufacturer/Supplier:**
Roofing Products International, Inc.
57460 Dewitt St.
Elkhart, IN 46517-1078
Information Phone Number: 574-293-9096
Information Department: Technical Services Department

Emergency Telephone NumberChemtrec: 800-424-9300
Chemtrec International: 703-527-3887*** Section 2. Hazard(s) Identification****Classification of the substance or mixture**

GHS02 Flame

Flam. Liq. 2 H225 Highly flammable liquid and vapor.

Label elements

- **GHS label elements:** The product is classified and labeled according to the Globally Harmonized System (GHS).
- **Hazard pictograms**



GHS02

Signal word: DANGER**Hazard statements**

May cause damage to organs thru prolonged or repeated exposure.
Causes serious skin irritation,
Causes serious eye irritation.
May cause respiratory irritation. Harmful is inhaled.
May be fatal if product enters airways or is swallowed.
May cause drowsiness or dizziness.
Avoid contact with skin and eyes.
Suspected of damaging fertility or the unborn child.
Harmful to aquatic life with long lasting effects.
Prolonged skin contact may cause dermatitis, drying of skin, and may produce systemic toxicity.

Precautionary statements

Prevention: Read label before use. If medical advice is needed, have product container or label at hand.
Keep out of reach of children. Do not use indoors or in confined airspace.
Wear protective gloves, clothing, and eyeglasses.
Keep away from heat/sparks/open flames/hot surfaces. Do Not smoke while using.

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Wear protective gloves/protective clothing/eye protection/face protection.
Keep container tightly closed.
IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
Store in a well-ventilated place. Keep cool.
Dispose of contents/container in accordance with local/regional/national/international regulations.

Classification system

- **NFPA ratings (scale 0 - 4)**



- **HMIS-ratings (scale 0 - 4)**



Other hazards

- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.

*** Section 3. Composition/Information on Ingredients**

- **Chemical characterization: Mixtures**
- **Description:** Mixture of the substances listed below with nonhazardous additions.

Dangerous components	CAS Identifiers	Common Name	Weight
Solvent naphtha (petroleum), light aliph.(VM&P)	64742-89-8	Naptha	25-50 %
Non-hazardous	EPA TSCA Registered	None	<82%

Any concentration shown as a range is to protect confidentiality or due to batch variation.
There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations represented, are classified as hazardous to health or the environment and hence require reporting in this section

*** Section 4. First-Aid Measures**

Description of first aid measures

- **After inhalation:** Remove to fresh air. Administer oxygen if breathing is labored. Give artificial respiration if breathing is stopped. Do not give mouth to mouth respiration. Use a proper respiratory medical device. Seek immediate medical attention if oxygen or artificial respiration is administered.
- **After skin contact:** Remove contaminated clothing. Remove material with rubbing alcohol and immediately wash with water and soap and rinse thoroughly. Call emergency 911 or other medical service personnel.
- **After eye contact:** Rinse opened eye for several minutes under clean running water, consult a physician.
- **After swallowing:** Do not induce vomiting. Do not give mouth to mouth respiration if victim has swallowed the material. Seek immediate medical treatment.

Most important symptoms and effects, both acute and delayed

Acute symptoms

- **Inhalation:** Sensitive individuals may exhibit eye, nose, throat or dermal irritation with prolonged exposure to processing fumes or vapors. May cause respiratory system irritation and central nervous system depression with headache, dizziness, muscular weakness and fatigue. May cause unconsciousness if exposure is excessive.
- **Skin:** May cause dermatitis and drying of the skin. May aggravate pre-existing skin conditions.

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- **Eye:** Eye contact may cause irritation, tearing, and blurred vision.

Indication of any immediate medical attention and special treatment needed

- **Information for Physician**

If the material is ingested and is aspirated into the lungs, it may cause chemical pneumonitis. Treat appropriately.

Environmental precautions

Do not allow product to enter sewage system or water course, surface or ground water.

Inform respective authorities in case of seepage into water course, ground water or sewage system.

- **Methods and material for containment and cleaning up:**

Dispose of contaminated material as waste in accordance with federal state and local regulations.

- **Reference to other sections**

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

* **Section 5. Fire-Fighting Measures**

Extinguishing media

- **Suitable extinguishing agents:** CO₂, extinguishing powder or water fog. Fight large fires with alcohol resistant foam or water spray.
- **Unsuitable extinguishing agents:**
Do not use a direct water stream. Product will float on water surface and may re-ignite.
- **Specific hazards arising from material:**
Flammable liquid and vapor. In a fire or if heated, an increase in pressure may cause the container to burst. Toxic vapors and fumes may be released.
- **Advice for firefighters:**
Carbon dioxide, carbon monoxide, acrid smoke and irritating fumes will occur during a fire. Explosive vapors are heavier than air and may collect in low or confined areas. Empty containers may contain explosive vapors. Use water spray to keep fire-exposed containers cool. Do not allow water used in fire suppression to be discharged into waterways, sewers, or drains.
- **Protective equipment:**
Wear impermeable protective clothing and self-contained breathing apparatus.

* **Section 6. Accidental Release Measures**

Personal precautions, protective equipment and emergency procedures

- **Personal Precautions:** Eliminate any/all sources of open flame, sparks, or ignition. Ensure adequate ventilation to prevent concentration of fumes or vapors. Wear protective gloves, clothing, and eyeglasses. Wear appropriate respirator when ventilation is inadequate. Do not smoke. Use non-sparking tools to clean up.

Methods and materials for clean-up and containment

Clean up using inert materials. Collect material and dispose in secure containers in accordance with local, state, and federal regulations.

- **Environmental Precautions:** Do not allow product to enter water course or sewage system. Do not allow product to enter drains, sewers or ground water. Notify respective environmental authorities of any seepage into sewer, drainage, or ground water.
- **Reference to other sections**
- See Section 7 for information on safe handling.
- See Section 8 for information on personal protection equipment.
- See Section 13 for disposal information.

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* **Section 7. Handling and Storage**

Handling

• **Precautions for safe handling:**

Wear protective nitrile gloves when handling. Do not get on skin or in eyes. Do not ingest. Wash contaminated clothing prior to reuse.

• **Advice on general occupational hygiene:**

Eating, drinking, and smoking should be prohibited in areas where this material is handled, processed, or stored. See Section 8 for additional information on hygiene measures.

• **Information about protection against explosions and fires:**

Store in cool, dry, well ventilated area away from direct heat (60-90 degrees F). Keep away from heat, sparks, and open flames. Vapors are heavier than air and may collect in low or confined areas.

Keep respiratory protective device available.

Conditions for safe storage, including any incompatibilities

• **Storage**

• **Requirements to be met by storerooms and receptacles:** No special requirements.

• **Information about storage in one common storage facility:** Store as flammable liquid.

• **Further information about storage conditions:** Keep material tightly sealed in original containers.

Specific end use(s) Sealant for lap edges of single-ply membrane roofing systems.

* **Section 8. Exposure Controls/Personal Protection**

• **Additional information about design of technical systems:** No further data; see item 7.

Control parameters

• **Components with limit values that require monitoring at the workplace:**

The product does not contain any relevant quantities of materials with critical values that have to be monitored the workplace.

• **Additional information:** The lists that were valid during the creation were used as basis.

Exposure controls

• **Personal protective equipment (see listings below)**

• **General protective and hygienic measures:**

Keep away from foodstuffs, beverages and feed.

Immediately remove all soiled and contaminated clothing.

Wash hands before breaks and at the end of work.

Store protective clothing separately.

• **Breathing equipment:**

Use approved respiratory protection equipment when airborne exposure is excessive. Consult the respirator manufacturer to determine the appropriate type of equipment for a given application. Observe respirator use limitations specified by the manufacturer.

• **Protection of hands:** Wear protective neoprene, nitrile, or viton gloves. Consult glove manufacturer for break-thru time.



• **Eye protection:** Wear protective eyeglasses with side shields



• **Body protection:** Protective work clothing



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*** Section 9. Physical and Chemical Properties**

Information on basic physical and chemical properties

- **General Information**

- **Appearance**

- **Form:** Paste
- **Color:** Black
- **Odor:** Characteristic

- **Change in condition**

- **Melting point:** Undetermined.
- **Boiling point:** 124 °C (255 °F)

- **Flash point:** 10 °C (50 °F)

- **Auto igniting:** Product is not selfigniting.

- **Danger of explosion:** Product does not present an explosion hazard.

- **Specific gravity:** 1.070

- **Solubility in / Miscibility with Water:** Insoluble.

- **Solvent content**

- **Organic solvents:** 35 %

- **Solids content:** 65 %

- **Other information**
VOC: = 3.12 LBS/GAL)
Weight per gallon: = 8.92 LBS

*** Section 10. Stability and Reactivity**

- **Reactivity:**

Stable at ambient temperatures and pressures.

- **Chemical stability:**

The product is stable.

Thermal decomposition / conditions to be avoided

Under normal conditions of storage and when used according to specifications, hazardous decomposition products should not be produced.

- **Possibility of hazardous reactions:**

The product is incompatible with strong oxidizers, acids and bases.

- **Conditions to avoid:**

Avoid all possible sources of ignition (sparks or flames). Do not pressurize, weld, braze, solder, grind, drill or expose containers to heat. Intended for outdoor use. Do not store or use in unventilated, confined areas. Fumes or vapors may accumulate in low areas. Residue in empty containers may release fumes and vapors.

- **Incompatible materials:**

Incompatible with strong oxidizing agents, acids and bases.

- **Hazardous decomposition products:**

OXIDES OF CARBONS AND NITROGEN UNDER BURNING CONDITIONS.

*** Section 11. Toxicological Information**

Information on toxicological effects

- **Acute toxicity:**

Inhalation may cause respiratory system irritation and central nervous system depression characterized by fatigue and weakness, headache, dizziness, and muscular weakness.

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Primary irritant effect

- **on the skin:** May irritate the skin. Prolonged contact may cause dermatitis and drying of the skin.
- **on the eye:** Eye contact may cause irritation, redness, tearing, and blurred vision.
- **Sensitization:** No sensitizing effects known.
- **Additional toxicological information:**
When used and handled according to specifications, the product does not have any harmful effects according to our experience and the information provided to us.

Carcinogenic categories

- **IARC (International Agency for Research on Cancer)**

None of the ingredients is listed.

- **NTP (National Toxicology Program)**

None of the ingredients is listed.

*** Section 12. Ecological Information**

Toxicity

- **Aquatic toxicity:** No further relevant information available.
- **Persistence and degradability** No further relevant information available.
- **Behavior in environmental systems:**
- **Bioaccumulative potential** No further relevant information available.
- **Mobility in soil** No further relevant information available.

Additional ecological information

- **General notes:**
Water hazard class 3 (Self-assessment): extremely hazardous for water
Do not allow product to reach ground water, water course or sewage system, even in small quantities.
Danger to drinking water if even extremely small quantities leak into the ground.

Results of PBT and vPvB assessment

- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **Other adverse effects** No further relevant information available.

*** Section 13. Disposal Considerations**

Waste treatment methods

- **Recommendation:**
Must not be disposed of together with household garbage. Do not allow disposed product to reach sewage system or groundwater.

Uncleaned packagings

- **Recommendation:** Disposal must be made according to official regulations.

*** Section 14. Transport Information**

UN-Number

- **DOT, ADR, IMDG, IATA** UN1133

UN proper shipping name

- **DOT** Adhesives
- **ADR** 1133 Adhesives
- **IMDG, IATA** ADHESIVES

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Transport hazard class(es)

- DOT



- Class 3 Flammable liquids.
- Label 3

ADR, IMDG, IATA



- Class 3 Flammable liquids
- Label 3

Packing group

- DOT, ADR, IMDG, IATA III
- Environmental hazards: Not applicable.
- Special precautions for user Warning: Flammable liquids
- Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code Not applicable.

Transport/Additional information:

- IMDG
- Remarks: Non regulated
- UN "Model Regulation": UN1133, ADHESIVES, 3, III

*** Section 15. Regulatory Information**

Safety, health and environmental regulations/legislation specific for the substance or mixture

- Sara
- Section 355 (extremely hazardous substances):
None of the ingredients is listed.

- Section 313 (Specific toxic chemical listings):

None of the ingredients is listed.

- TSCA (Toxic Substances Control Act):

All components of this product are on the TSCA Inventory or are exempt from TSCA Inventory requirements.

Proposition 65

- Chemicals known to cause cancer:

All ingredients are listed.

- Chemicals known to cause reproductive toxicity:

None of the ingredients is listed.

(DSL) Canada Domestic Substance List

All components of this product are on the DSL (Canada Domestic Substance list) or are exempt from DSL requirements.

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Carcinogenicity categories

• **EPA (Environmental Protection Agency)**

None of the ingredients is listed.

• **TLV (Threshold Limit Value established by ACGIH)**

None of the ingredients is listed.

• **MAK (German Maximum Workplace Concentration)**

None of the ingredients is listed.

• **NIOSH-Ca (National Institute for Occupational Safety and Health)**

None of the ingredients is listed.

• **OSHA-Ca (Occupational Safety & Health Administration)**

None of the ingredients is listed.

National regulations

- **Water hazard class:** Water hazard class 3 (Self-assessment): extremely hazardous for water.
- **Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

*** Section 16. Other Information**

Although the information and recommendations set forth in this SDS are presented in good faith and are believed to be correct as of the date of this SDS, Roofing Products International, Inc. makes no representations as to the completeness or accuracy thereof. Information is supplied on the condition that the persons receiving and using it will make their own determination as to the suitability for their purpose prior to use. In no event will Roofing Products International, Inc. or any affiliate thereof be responsible for damages of any nature whatsoever resulting from the use or reliance on the information set forth in the SDS.

- **Department issuing SDS:** Technical Services Department.
- **Creation Date:** 05/28/2003
- **Date of preparation:** 02/10/2015
- **Last revision:** Format update
- **Abbreviations and acronyms:**

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)

ICAO: International Civil Aviation Organization

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

DOT: US Department of Transportation

IATA: International Air Transport Association

ACGIH: American Conference of Governmental Industrial Hygienists

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

NFPA: National Fire Protection Association (USA)

HMIS: Hazardous Materials Identification System (USA)

End of SDS