



Safety Data Sheet

TPO Cut Edge Sealant

SECTION 1: Identification

1.1 GHS Product identifier

Product name TPO Cut Edge Sealant

Brand

1.4 Supplier's details

Name Siplast
Address 14911 Quorum Drive
Suite 600
Dallas, TX 75254

Telephone 800-922-8800

1.5 Emergency phone number 800-424-9300 (CHEMTREC)

SECTION 2: Hazard identification

2.1 Classification of the substance or mixture

GHS classification in accordance with: OSHA (29 CFR 1910.1200)

- Flammable liquids, Cat. 2
- Eye damage/irritation, Cat. 2A
- Skin corrosion/irritation, Cat. 2
- Toxic to reproduction, Cat. 2
- Acute toxicity, inhalation, Cat. 4
- Specific target organ toxicity (single exposure), Cat. 3
- Specific target organ toxicity (repeated exposure), Cat. 2
- Hazardous to the aquatic environment, long-term (chronic), Cat. 2

2.2 GHS label elements, including precautionary statements

Pictograms



Signal word

Danger

Hazard statement(s)

H225 Highly flammable liquid and vapor
H315 Causes skin irritation
H319 Causes serious eye irritation
H332 Harmful if inhaled
H335 May cause respiratory irritation

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H336	May cause drowsiness or dizziness
H361	Suspected of damaging fertility or the unborn child
H373	May cause damage to organs [CNS] through prolonged or repeated exposure
H411	Toxic to aquatic life with long lasting effects

Precautionary statement(s)

P201	Obtain special instructions before use.
P202	Do not handle until all safety precautions have been read and understood.
P210	Keep away from heat/sparks/open flames/hot surfaces. No smoking.
P233	Keep container tightly closed.
P240	Ground/bond container and receiving equipment.
P241	Use explosion-proof electrical/ventilating/lighting/equipment.
P242	Use only non-sparking tools.
P243	Take precautionary measures against static discharge.
P260	Do not breathe dust/fume/gas/mist/vapors/spray.
P261	Avoid breathing dust/fume/gas/mist/vapors/spray.
P264	Wash skin thoroughly after handling.
P271	Use only outdoors or in a well-ventilated area.
P273	Avoid release to the environment.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P302+P352	IF ON SKIN: Wash with plenty of water.
P303+P361+P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
P304+P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.
P308+P313	IF exposed or concerned: Get medical advice/attention.
P312	Call a POISON CENTER/doctor if you feel unwell.
P314	Get medical advice/attention if you feel unwell.
P321	Specific treatment (see supplemental first aid instructions on this label).
P332+P313	If skin irritation occurs: Get medical advice/attention.
P337+P313	If eye irritation persists: Get medical advice/attention.
P362+P364	Take off contaminated clothing and wash it before reuse.
P370+P378	In case of fire: Use a dry chemical fire extinguisher for extinction.
P391	Collect spillage.
P403+P233	Store in a well-ventilated place. Keep container tightly closed.
P403+P235	Store in a well-ventilated place. Keep cool.
P405	Store locked up.
P501	Dispose of contents/container in accordance with local, regional, and national regulations.

2.3 Other hazards which do not result in classification

PRIMARY ROUTE OF EXPOSURE: Skin Absorption, Inhalation, and Ingestion

SIGNS & SYMPTOMS OF EXPOSURE

EYES: This material is an eye irritant. Contact with the liquid or exposure to mist or vapor may cause stinging, redness and swelling.

SKIN: This material may cause mild skin irritation. Prolonged contact may cause redness, burning and drying or cracking of the skin. Skin absorption may produce systemic toxicity.

INGESTION: Harmful or fatal if swallowed and/or vomiting occurs. Can enter lungs and cause damage or lung inflammation. Do not induce vomiting.

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INHALATION:	High concentrations of vapor or mist may cause irritation of the nose and throat and signs of nervous system depression. Can cause headaches, drowsiness, dizziness, and loss of coordination. May affect liver, kidneys, and respiratory system.
ACUTE HEALTH HAZARDS:	See above.
CHRONIC HEALTH HAZARDS:	Respiratory or lung disorders may be aggravated by exposure to this material.

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Hazardous components

1. Toluene

Concentration	Not specified
EC no.	203-625-9
CAS no.	108-88-3
Index no.	601-021-00-3

- Flammable liquids, Cat. 2
- Toxic to reproduction, Cat. 2
- Aspiration hazard, Cat. 1
- Specific target organ toxicity (single exposure), Cat. 3
- Specific target organ toxicity (repeated exposure), Cat. 2
- Skin corrosion/irritation, Cat. 2

H225	Highly flammable liquid and vapor
H304	May be fatal if swallowed and enters airways
H315	Causes skin irritation
H336	May cause drowsiness or dizziness
H361d	
H373	May cause damage to organs [organs] through prolonged or repeated exposure [route]

2. XYLENES (MIXED)

Concentration	Not specified
EC no.	215-535-7
CAS no.	1330-20-7
Index no.	601-022-00-9

- Flammable liquids, Cat. 3
- Acute toxicity, inhalation, Cat. 4
- Acute toxicity, dermal, Cat. 4
- Skin corrosion/irritation, Cat. 2

H226	Flammable liquid and vapor
H312	Harmful in contact with skin
H315	Causes skin irritation
H332	Harmful if inhaled

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SCLs/M-factors/ATEs

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3. Non-Hazardous Ingredients

Concentration

Not specified

SECTION 4: First-aid measures

4.1 Description of necessary first-aid measures

If inhaled	Move the individual to an area with fresh air or provide oxygen immediately, call physician.
In case of skin contact	Remove contaminated clothes. Wash exposed areas with soap and water. If redness or swelling develops, seek medical attention.
In case of eye contact	Flush eyes with water for 15 minutes. If irritation or reddening persists, call physician.
If swallowed	If swallowed, contact physician immediately. Do not induce vomiting. This material can enter lungs during swallowing or vomiting and cause lung inflammation and damage.

SECTION 5: Fire-fighting measures

5.1 Suitable extinguishing media

Dry chemical, CO₂, and foam.

5.2 Specific hazards arising from the chemical

Carbon monoxide or carbon dioxide.

5.3 Special protective actions for fire-fighters

Use self-contained breathing apparatus and protective clothing.

Further information

Material is flammable and may be ignited by flames, sparks, heat or other sources of ignition. Runoff to sewer may create fire or explosion hazard. In a fire or if heated, a pressure increase will occur and the container may burst. The vapor/gas is heavier than air and will spread along the ground. Vapors may accumulate in low or confined areas or travel a considerable distance to a source of ignition and flash back.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Extinguish all open flames or electrical sparks. Dike area to contain spill. Take precautions as necessary to prevent contamination of ground and surface waters. Recover spilled material on absorbent, such as sawdust or vermiculite, and sweep into closed containers for disposal. After all visible traces, including ignitable vapors, have been removed, thoroughly wet vacuum the area. Do not flush to sewer. If area of spill is porous, remove as much contaminated earth and gravel, etc. as necessary and place in closed containers for disposal.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

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The container is hazardous when empty. Partially full or emptied container may contain explosive vapors. Do not cut, weld or solder on or near the container. Do not reuse "empty" container.

7.2 Conditions for safe storage, including any incompatibilities

Store in a well ventilated area at temperatures between 40 - 90°F. Avoid open flames, electrical spark, and static electricity.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

1. Toluene (CAS: 108-88-3)

PEL-TWA (Inhalation): 200 ppm (OSHA)

Central nervous system depression, causing fatigue, headache, confusion, paresthesia, dizziness, and muscular incoordination. Irritation of the eyes, mucous membranes, and upper respiratory tract

STEL (Inhalation): 150 ppm (OSHA)

OSHA Annotated Table Z-1, www.osha.gov

REL (Inhalation): 100 ppm (375 mg/m³) (NIOSH)

Fatigue, weakness, confusion, headache, dizziness, drowsiness. Unconsciousness. Irritation of the eyes, respiratory tract, and skin

PEL-C (Inhalation): 300 ppm (OSHA)

OSHA Annotated Table Z-1, www.osha.gov

PEL-Peak (Inhalation): 500 ppm (10 minutes) (OSHA)

OSHA Annotated Table Z-1, www.osha.gov

TWA (Inhalation): 10 ppm (37 mg/m³) (Cal/OSHA)

Female reproductive toxicity, spontaneous abortion. Impaired color vision, impaired hearing, decreased performance in neurobehavioral analysis, changes in motor and sensory nerve conduction velocity, headache, and dizziness

TLV® (Inhalation): 20 ppm (75 mg/m³) (ACGIH)

Female reproductive system damage and pregnancy loss. Central nervous system impairment and visual impairment

STEL (Inhalation): 150 ppm (560 mg/m³) (NIOSH)

Fatigue, weakness, confusion, headache, dizziness, drowsiness. Unconsciousness. Irritation of the eyes, respiratory tract, and skin

PEL-C (Inhalation): 500 ppm Ceiling (Cal/OSHA)

Female reproductive toxicity, spontaneous abortion. Impaired color vision, impaired hearing, decreased performance in neurobehavioral analysis, changes in motor and sensory nerve conduction velocity, headache, and dizziness

PEL-ST (Inhalation): 150 ppm (560 mg/m³) - SKIN (Cal/OSHA)

Female reproductive toxicity, spontaneous abortion. Impaired color vision, impaired hearing, decreased performance in neurobehavioral analysis, changes in motor and sensory nerve conduction velocity, headache, and dizziness

PEL (Inhalation): See Annotated Z-2 mg/m³ (OSHA)

OSHA Annotated Table Z-1, www.osha.gov

PEL (Inhalation): See Annotated Z-2 (Cal/OSHA)

OSHA Annotated Table Z-1, www.osha.gov

REL (Inhalation): See Annotated Z-2 (NIOSH)

OSHA Annotated Table Z-1, www.osha.gov

TLV® (Inhalation): See Annotated Z-2; USA (ACGIH)

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OSHA Annotated Table Z-1, www.osha.gov

TWA (Inhalation): 50 ppm; 191 mg/m³; Australia (AU/SWA)

Other advisory: Sk

STEL (Inhalation): 150 ppm; 574 mg/m³; Australia (AU/SWA)

Other advisory: Sk

2. XYLENES (MIXED) (CAS: 1330-20-7)

PEL (Inhalation): 100 ppm (OSHA)

OSHA Annotated Table Z-1, www.osha.gov

PEL (Inhalation): 435 mg/m³ (OSHA)

OSHA Annotated Table Z-1, www.osha.gov

PEL (Inhalation): 100 ppm, (ST) 150 ppm, (C) 300 ppm (Cal/OSHA)

OSHA Annotated Table Z-1, www.osha.gov

REL (Inhalation): 100 ppm, (ST) 150 ppm (NIOSH)

OSHA Annotated Table Z-1, www.osha.gov

8.3 Individual protection measures, such as personal protective equipment (PPE)

Body protection

Safety goggles or safety glasses with side shields.

Wear appropriate impermeable gloves to prevent skin contact.

Respiratory protection

Use NIOSH approved organic vapor cartridge type respirator if there is potential to exceed exposure limit(s).

Observe OSHA regulations for respiratory use (29 CFR 1910.134).

Environmental exposure controls

Wash exposed skin prior to eating, drinking, or smoking and at the end of each shift.

SECTION 9: Physical and chemical properties

Basic physical and chemical properties

Appearance	Clear to amber solution with paint thinner odor.
Color	Clear to amber
Odor	Paint thinner odor
Odor threshold	No data available.
Melting point/freezing point	No data available.
Boiling point or initial boiling point and boiling range	231°F
Flammability	No data available.
Lower and upper explosion limit/flammability limit	No data available.
Flash point	45°F
Explosive properties	No data available.
Auto-ignition temperature	No data available.
Decomposition temperature	No data available.
Oxidizing properties	No data available.
pH	No data available.
Kinematic viscosity	No data available.
Solubility	Insoluble
Partition coefficient n-octanol/water (log value)	No data available.
Vapor pressure	No data available.
Evaporation rate	1.8
Density and/or relative density	No data available.
Relative vapor density	3.2

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Particle characteristics

No data available.

SECTION 10: Stability and reactivity

10.2 Chemical stability

Stable under recommended storage conditions.

10.3 Possibility of hazardous reactions

Avoid open flames, electrical spark, and static electricity.

10.4 Conditions to avoid

STABILITY: Avoid open flames, electrical spark, and static electricity.

10.6 Hazardous decomposition products

Carbon monoxide or carbon dioxide.

SECTION 11: Toxicological information

Information on toxicological effects

Skin corrosion/irritation

Irritant to skin and mucous membranes.

Serious eye damage/irritation

May irritate the eye.

Vapors may be irritating to the eyes.

Carcinogenicity

None.

SECTION 12: Ecological information

Toxicity

This product contains components that will normally float on water. These components may be harmful to aquatic organisms and may cause long term adverse effects in the aquatic environment.

Contains components that are potentially toxic to freshwater and saltwater ecosystems.

Bioaccumulative potential

Contains components with the potential to bio-accumulate.

SECTION 13: Disposal considerations

Disposal methods

Waste treatment

Dispose of contents/container in accordance with local/regional/national/international regulations.

SECTION 14: Transport information

DOT (US)

If individual container size is less than 1.0 liters (0.3 gallons), the proper shipping name is: Limited Quantity per DOT 173.150.

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IMDG

UN Number: UN1133

Class: 3

Packing Group: II

Proper Shipping Name: Adhesive

Other: EMS: FE,SE. Marine Pollutant.

IATA

UN Number: UN1133

Class: 3

Packing Group: II

Proper Shipping Name: Adhesive

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations specific for the product in question

Massachusetts Right To Know Components

Chemical name: Toluene

CAS number: 108-88-3

New Jersey Right To Know Components

Chemical name: Toluene

CAS number: 108-88-3

California Prop. 65 Components

State of California to cause birth defects or other reproductive harm.

Toluene

CAS-No. 108-88-3

Pennsylvania Right To Know Components

Chemical name: Toluene

CAS number: 108-88-3

Canadian Domestic Substances List (DSL)

Chemical name: Benzene, methyl-

CAS: 108-88-3

Massachusetts Right To Know Components

Chemical name: Toluene

CAS number: 108-88-3

New Jersey Right To Know Components

Chemical name: Toluene

CAS number: 108-88-3

Pennsylvania Right To Know Components

Chemical name: Toluene

CAS number: 108-88-3

California Prop. 65 Components

This product contains a chemical known to the State of California to cause birth defects or other reproductive harm.

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Chemical name: Toluene
CAS number: 108-88-3

California Prop. 65 components

Chemical name: Toluene
CAS number: 108-88-3
01/01/1991 - Developmental toxicity
08/07/2009 - Female reproductive toxicity (de-listed 03/07/2014)
01/01/1991 - developmental
08/07/2009 - female

Massachusetts Right To Know Components

Chemical name: Xylene (mixed isomers)
CAS number: 1330-20-7

New Jersey Right To Know Components

Common name: XYLENES
CAS number: 1330-20-7

Pennsylvania Right To Know Components

Chemical name: Benzene, dimethyl-
CAS number: 1330-20-7

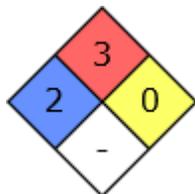
Canadian Domestic Substances List (DSL)

Chemical name: Benzene, dimethyl-
CAS: 1330-20-7

HMIS Rating

TPO Cut Edge Sealant	
HEALTH	2
FLAMMABILITY	3
PHYSICAL HAZARD	0
PERSONAL PROTECTION	X

NFPA Rating



SECTION 16: Other information

ADDITIONAL COMMENTS: None.
DATE OF PREVIOUS SDS: March 2023
CHANGES SINCE PREVIOUS SDS: Section 2 updates.

16.1 Further information/disclaimer

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This information relates to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is to the best of our knowledge and belief accurate and reliable as of the date compiled. However, no representation, warranty or guarantee, expressed or implied, is made as to its accuracy, reliability, or completeness. It is the user's responsibility to satisfy himself as to the suitability and completeness of such information for his particular use. We do not accept liability for any loss or damage that may occur from the use of this information. Nothing herein shall be construed as a recommendation for uses which infringe valid patents or as extending a license of valid patents.