

Material Safety Data Sheet

Product Name: CUT EDGE SEALANT - WHITE

MSDS No. 302104

Date of Preparation: 8/8/08

Revision: 009

Section 1 - Chemical Product and Company Identification

Product/Chemical Name: Cut Edge Sealant – White

Chemical Formula: Mixture

CAS Number: Mixture

Other Designations:

General Use: To seal cut edges of Reinforced TPO Membrane

Manufacturer: Versico, 1285 Ritner Highway, Carlisle, PA 17013, Phone 800-992-7663, Emergency Phone # Chemtrec (USA) 800-424-9300

Section 2 - Hazards Identification

☆☆☆☆☆ Emergency Overview ☆☆☆☆☆

Respiratory Irritant. Harmful in massive amounts

Eye Irritant

May cause skin irritation, dermatitis, and sensitization

May be harmful if swallowed; can cause gastrointestinal tract effects

HMIS

H 2

F 3

R 0

PPE†

†Sec. 8

Potential Health Effects

Primary Entry Routes: Inhalation, Ingestion, Skin contact

Target Organs:

Acute Effects

Inhalation: Can cause cardiac arrest and irregular heartbeats when inhaled in massive amounts as for euphoria.

Eye: Irritation

Skin: Removal of skin oils, irritation, dermatitis, sensitization

Ingestion: May be harmful if swallowed; can cause gastrointestinal tract effects.

Carcinogenicity: IARC, NTP, and OSHA do not list this product as a carcinogen.

Medical Conditions Aggravated by Long-Term Exposure:

Chronic Effects: Respirable crystalline silica (quartz) can cause silicosis, a fibrosis (scarring) of the lungs. Silicosis may be progressive; it may lead to disability and death. Crystalline silica (quartz) inhaled from occupational sources is classified as carcinogenic to humans.

Section 3 – Ingredient Information

Hazardous Ingredients	CAS Number	% wt
Xylene	1330-20-7	55-75
Odorless Mineral Spirits	8052-41-3	10-30
Additional Ingredients	CAS Number	% wt

Section 4 - First Aid Measures

Inhalation: Get fresh air, if necessary call physician.

Eye Contact: Flush with water for at least 15 minutes

Skin Contact: Wash with mild soap and water, apply a mild cream

Ingestion: Call poison control immediately

After first aid, get appropriate in-plant, paramedic, or community medical support.

Note to Physicians:

Special Precautions/Procedures: Whenever possible, remove the worker from the source of contamination

Section 5 - Fire-Fighting Measures

Flash Point: 80°F (27°C)

Flash Point Method: Tag Closed Cup

Burning Rate:

Autoignition Temperature: °C

LEL: 1.0%

UEL: 6.0%

Flammability Classification: IB

Extinguishing Media: Foam, dry chemical, carbon dioxide, water spray or fog.

Unusual Fire or Explosion Hazards: Flammable. Vapors may ignite explosively and/or cause flash fires. Eliminate sources of ignition. No smoking. Use adequate cross ventilation sufficient to remove odor of solvent and vapors. Electrically ground all containers during transfer.

Hazardous Combustion Products: Toxic gases or vapors, such as carbon monoxide, carbon dioxide, or oxides of nitrogen may be released in a fire.

Fire-Fighting Instructions: Avoid breathing smoke. Use air supplied rescue equipment for enclosed area. Water tends to spread burning liquid if large amounts are used.

Fire-Fighting Equipment: Because fire may produce toxic thermal decomposition products, wear a self-contained breathing apparatus (SCBA) with a full-face piece operated in pressure-demand or positive-pressure mode.



Section 6 - Accidental Release Measures

Spill /Leak Procedures:

Small Spills: For small liquid spills, soak up with sand or other non-combustible absorbent material. Place into container for disposal.

Large Spills: Eliminate all ignition sources (flames, hot surfaces and sources of electrical static or frictional sparks). Dike and contain spill with inert materials (e.g. sand, earth). Transfer liquids to covered metal containers for recovery or disposal, or remove with inert absorbent. Use only non-sparking tools. Place absorbent diking materials in covered metal containers for disposal. Prevent contamination of sewers, streams, and groundwater with spilled material or used absorbent.

Containment: For large spills, dike far ahead of liquid spill for later disposal. Do not release into sewers or waterways.

Cleanup:

Regulatory Requirements: Follow applicable OSHA regulations (29 CFR 1910.120).

Section 7 - Handling and Storage

Handling Precautions: Keep container closed when not in use.. Use adequate ventilation to avoid breathing vapors when cover is removed. Ground all equipment when handling flammable solvent borne materials. For professional or industrial use only. Follow label instructions. Keep out of reach of children. Not for consumption. No smoking. Do not breathe fumes. Avoid contact with body. Turn off all pilot lights, flames, stoves, heater, electric motors, welding equipment and other sources of ignition. Contact lens wearers take appropriate precautions. Wash hands thoroughly after handling. For spray applications use only with approved spray equipment.

Storage Requirements: Store at 60-95 degrees F and out of sunlight. Close all containers when not in use. Empty containers must not be washed and re-used for any purpose.

Regulatory Requirements:

Section 8 - Exposure Controls / Personal Protection

Hazardous Ingredients:

Ingredient	OSHA PEL		ACGIH TLV		NIOSH REL		NIOSH IDLH
	TWA	STEL	TWA	STEL	TWA	STEL	
Xylene	100 ppm	150 ppm	100 ppm	150 ppm	100 ppm	200 ppm	900 ppm
Odorless Mineral Spirits	100 ppm	NE	100 ppm				

Engineering Controls:

Ventilation: Provide general or local exhaust ventilation systems to maintain airborne concentrations below OSHA PELs (Sec. 2). Local exhaust ventilation is preferred because it prevents contaminant dispersion into the work area by controlling it at its source.

Administrative Controls:

Respiratory Protection: If workplace exposure limit of product is exceeded, a NIOSH?MSHA approved air supplied respirator must be used in absence of proper environmental control. Engineering or administrative controls should be implemented to reduce exposure.

Protective Clothing/Equipment: Chemical resistant gloves; chemical splash goggles in compliance with OSHA regulations are advised. To prevent repeated, prolonged skin contact, wear impervious clothing and boots.

Safety Stations: Make emergency eyewash stations, safety/quick-drench showers, and washing facilities available in work area.

Contaminated Equipment: Separate contaminated work clothes from street clothes. Launder before reuse. Remove this material from your shoes and clean personal protective equipment.

Comments: Never eat, drink, or smoke in work areas. Practice good personal hygiene after using this material, especially before eating, drinking, smoking, using the toilet, or applying cosmetics.

Section 9 - Physical and Chemical Properties

Physical State: Liquid

Appearance and Odor: White liquid with Hydrocarbon solvent odor

Odor Threshold(ppm): N/A

Vapor Pressure: N/A

Vapor Density (Air=1): N/A

Formula Weight: N/A

Density: 7.94

Specific Gravity (H₂O=1, at 4 °C): 0.95361

pH: N/A

Water Solubility: Insoluble

Other Solubilities: N/A

Boiling Point(°C): 279 ° F

Freezing/Melting Point(°C): N/A

Viscosity: N/A

Refractive Index: N/A

Surface Tension: N/A

% Volatile: 74% by weight

Evaporation Rate: Faster than n-Butyl Acetate

VOC: 705 g/l

Section 10 - Stability and Reactivity

Stability: Stable.

Possibility of Hazardous Reactions: Will not occur.

Chemical Incompatibilities: Strong oxidizing agents, strong acids and bases.

Conditions to Avoid: Fire, sparks, static electricity.

Hazardous Decomposition Products: Toxic gases or vapors such as carbon monoxide, or carbon dioxide may be released in a fire.

Section 11- Toxicological Information

Toxicity Data:*

Eye Effects: Irritant of eyes and mucous membranes

Acute Inhalation Effects:

Skin Effects: Irritant

Acute Oral Effects: Oral-human LD₅₀:50mg/kg (est. Xylene)

Section 12 - Ecological Information

Ecotoxicity: No data available

Environmental Fate: No data available

Environmental Degradation: No data available

Soil Absorption/Mobility: No data available

Section 13 - Disposal Considerations

Disposal: Dispose of in accordance with all local, state, and federal regulations.

Section 14 - Transport Information

DOT Transportation Data (49 CFR 172.101):

Shipping Name: Adhesives

Packaging Authorizations

Quantity Limitations

Shipping Symbols: None

a) Passenger, Aircraft, or Railcar: 5L

Hazard Class: 3

b) Cargo Aircraft Only: 60L

ID No.: UN 1133

Packing Group: III

Vessel Stowage Requirements

Label:

a) Vessel Stowage: B

b) Other: None

Section 15 - Regulatory Information

EPA Regulations:

RCRA Hazardous Waste Number: U239 (Xylene) (40 CFR 261.33)

RCRA Hazardous Waste Classification (40 CFR 261.131): Hazardous
 TSCA (Toxic Substances Control Act) Status: TSCA (United States) – The intentional ingredients of this product are listed.
 CERCLA Hazardous Substance (40 CFR 302.4) listed/unlisted specific per RCRA, Sec. 3001; CWA, Sec. 311 (b)(4); CWA, Sec. 307(a), CAA, Sec. 112
 CERCLA Reportable Quantity (RQ), 100 lb (45.4 kg) (as Xylene)
 SARA 311/312 - Hazard Classes: Acute Health – Yes, Chronic Health – Yes, Fire - Yes
 SARA Toxic Chemical (40 CFR 372.65): Xylene, CAS#1330-20-7, 55-75%
 SARA EHS (Extremely Hazardous Substance) (40 CFR 355): Not listed

OSHA Regulations:

Air Contaminant (29 CFR 1910.1000, Table Z-1, Z-1-A): Not listed

Clean Air Act Data: Xylene; HAP Code: XO.V.

Clean Water Act: Xylene is listed. RQ: 100 lbs. (45.4 kg)

State Regulations:

California Proposition 65: This product contains the following chemical(s) known to the state of California to cause birth defects or other reproductive harm: Silica, quartz CAS#14808-60-7 <0.1%

Delaware Air Quality Management List: Xylene DRQ: 100 State: Must be reported to DRQ

Massachusetts Hazardous Substance Codes: Xylene 1330-20-7 2, 4, F8, F9

Michigan Critical Materials Register: Xylene 1330-20-7

Minnesota Hazardous Substance: Xylene Codes: ANO Hazards: -- Carcinogen: No

New Jersey RTK Hazardous Substance: Xylene Dot#: 1307 Substance#: 2014 TPQ: -- EHS: No

New York List of Hazardous Substances: Xylene RQ Air: 1,000 RQ Land: 1 Acutely Hazardous: No

Pennsylvania Hazardous Substance Code: Dimethyl Benzene (Xylene) 1330-20-7 Code: E

Washington Air Contaminant	Xylene
TWA (ppm)	100
TWA (mg)	435
STEL (ppm)	150
STEL (mg)	655

Canadian WHMIS Classification: Class: B Division 2 (Flammable Liquid)
 Class: D Division 2B (Toxic by other means)

Section 16 - Other Information

Prepared By: Research & Development

Revision Notes: Convert to 16-part MSDS

Additional Hazard Rating Systems:

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