

Material Safety Data Sheet

ITW Consumer - Devcon/Versachem

1 of 5

THREADLOCKER BLUE

This product appears in the following stock number(s):

24345, 24536, 24569

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Tradename: THREADLOCKER BLUE

General use: This product cures to a non-hazardous solid when in contact with metal (or certain promoters) in the absence of air

Chemical family: Anaerobic adhesive

MANUFACTURER

ITW Consumer - Devcon/Versachem
2107 West Blue Heron Blvd.
Riviera Beach, Florida 33404

EMERGENCY INFORMATION

Emergency telephone number
(CHEMTEL): (800) 255-3924
(CHEMTEL International): (+01) 813-248-0585
Other Calls: (561) 845-2425

2. COMPOSITION/INFORMATION ON INGREDIENTS

Component	Abbr.	Weight%	ACGIH; TLV-TWA	OSHA PEL:	Other Limits
POLYGLYCOL DIMETHACRYLATE 25852-47-5	n/e	60-80	Not listed	n/e	n/e
POLYGLYCOL OLEATE 9004-96-0	n/e	20-40	Not listed	n/e	n/e
TREATED SILICON DIOXIDE, SYNTHETIC, CRYSTALLINE-FREE 67762-90-7	n/e	<5	10 mg/m ³	10 mg/m ³ total dust	n/e
DIMETHYLBENZYL HYDROPEROXIDE 80-15-9	n/e	<3	Not listed	n/e	n/e
TITANIUM DIOXIDE 13463-67-7	n/e	0.1-1.0	10 mg/m ³	15 mg/m ³ TWA (total dust)	n/e
TRADE SECRET (Non-hazardous) MIXTURE	n/e	balance	Not listed	n/e	n/e

"TLV" means the Threshold Limit Value exposure (eight-hour, time-weighted average, unless otherwise noted) established by the American Conference of Governmental Industrial Hygienists. "STEL" indicates a short-term exposure limit. "PEL" indicates the OSHA Permissible Exposure Limit. "n/e" indicates that no exposure limit has been established. An asterisk (*) indicates a substance whose identify is a trade secret of our supplier and unknown to us.

3. HAZARDOUS IDENTIFICATION

Emergency Overview

Appearance, form, odor: Blue liquid with mild odor

Eye and skin irritant. May be harmful if swallowed.

Potential health effects

Primary Routes of Exposure: Eye and skin contact, ingestion, inhalation

Symptoms of acute overexposure

Skin: May cause irritation. May cause dermatitis with prolonged contact on sensitive individuals

Eyes: May irritate eyes.

Inhalation: May cause irritation at elevated temperatures.

Ingestion: May cause gastric distress (nausea, vomiting, diarrhea).

Effects of Chronic Exposure: None known.

Component	Weight%	NTP	ACGIH Carcinogens	IARC
TITANIUM DIOXIDE 13463-67-7	0.1-1.0	male rat-negative, female rat-negative, male mice-negative, female mice-negative	A4	Group 2B; Vol 93,2006; Vol 47,1989

Medical Conditions Recognized as Being Aggravated by Exposure:

Preexisting skin disorders.

4. FIRST AID MEASURES

Eye Contact: In case of contact, immediately flush eyes with plenty of water for at least 15 minutes and get medical attention if irritation persists.

Skin Contact: Remove contaminated clothing. Wash area with soap and water. If irritation persists, seek medical attention.

Inhalation: Move to fresh air in case of accidental inhalation of vapours.

Ingestion: If swallowed, DO NOT induce vomiting. Keep individual calm. Obtain medical attention.

5. FIRE FIGHTING MEASURES

Recommended Extinguishing Media: Carbon dioxide, Dry chemical, Foam

Flash point: >200°F (93.3°C)

Method: PMCC

Lower Explosive Limit: Not determined **Upper Explosive Limit:** Not determined

Special Fire-Fighting Procedures: Firefighters should wear self-contained breathing apparatus.

Unusual Fire/Explosion Hazards:
In large quantities could undergo violent polymerization generating significant heat and pressure.

Hazardous Products of Combustion:
Oxides of carbon

6. ACCIDENTAL RELEASE MEASURES

Spill Control: Eliminate ignition sources. Avoid personal contact.

Containment: Dike, contain and absorb with clay, sand or other suitable material

Cleanup: Soak up residue with an absorbent such as clay, sand or other suitable material and dispose of properly. Flush area with water.

Special procedures: Prevent spill from entering drainage/sewer systems, waterways and surface water.

7. HANDLING AND STORAGE

Handling precautions: Avoid contact with the skin and the eyes. Avoid breathing vapors or mists. Wash hands before breaks and immediately after handling the product. Launder contaminated clothing and protective gear before reuse.

Storage: Store in a cool, ventilated area away from ignition sources. Keep containers closed when not in use.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering controls:

Ventilation:

General; local exhaust ventilation as necessary to control any air contaminants to within their exposure limits (or to the lowest feasible levels when limits have not been established) during the use of this product.

Other engineering controls: Have emergency shower and eye wash available.

Personal protective equipment

Eye and face protection: Wear appropriate protective glasses or splash goggles as described by 29CFR 1910.133, OSHA eye and face protection regulation, or the European standard EN 166

Skin protection: Chemical-resistant gloves (Neoprene, nitrile) and other gear as required to prevent skin contact.

Respiratory protection: With good ventilation, none required. If material is heated or mists are created, a NIOSH-approved organic vapor respirator may be required.

9. PHYSICAL AND CHEMICAL PROPERTIES

Specific Gravity: 1.00-1.15

Boiling Point: >300°F

Melting point: Not determined

Vapor Density (Air=1): >1

Vapor Pressure: Not determined

Evaporation Rate: Not Determined

VOC: <2% by weight

Solubility in water: Insoluble

pH (5% solution or slurry in water): not applicable

10. STABILITY AND REACTIVITY

This material is chemically stable. Hazardous polymerization will not occur.

Conditions to Avoid: Excessive heat.

Incompatibilities: Strong oxidizers, free radical initiators, inert gases, Peroxides, Reducing agents, Oxygen scavengers

Hazardous Products of Combustion: Oxides of carbon

Conditions under which hazardous polymerization may occur: Heating.

11. TOXICOLOGICAL INFORMATION

Eye Contact: No data available.

Subchronic effects: None known.

Carcinogenicity, tertogenicity and mutagenicity: None known.

Other chronic effects: None known.

Toxicological information on hazardous chemical constituents of this product:

Component	Oral LD50 (rat)	Dermal LD50 (rabbit)	Inhalation LC50 4hr (rat)
POLYGLYCOL DIMETHACRYLATE 25852-47-5	n/d	n/d	n/d
POLYGLYCOL OLEATE 9004-96-0	n/d	n/d	n/d
TREATED SILICON DIOXIDE, SYNTHETIC, CRYSTALLINE-FREE 67762-90-7	n/d	n/d	n/d

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DIMETHYLBENZYL HYDROPEROXIDE 80-15-9	382 mg/kg	n/d	mus. 200 ppm
TITANIUM DIOXIDE 13463-67-7	>10000 mg/kg	n/d	n/d
TRADE SECRET (Non-hazardous) MIXTURE	n/d	n/d	n/d

'n/d' = not determined

12. ECOLOGICAL INFORMATION

Ecotoxicity: No data available.

Mobility and persistence: No data available.

Environmental fate: No data available.

13. DISPOSAL CONSIDERATIONS

Please see also Section 15, Regulatory Information.

Recommended Method of Disposal: If material becomes a waste, it would not be a hazardous waste by RCRA criteria (40CFR 261). Dispose of according to applicable federal, state and local regulations.

US EPA Waste Number: NH - Not a RCRA Hazardous Waste Material.

14. TRANSPORT INFORMATION

Proper shipping name: Not regulated

Technical name: N/A

Hazard class: N/A

UN/ID Number: N/A

Packing group: N/A

Emergency Response Guide no: N/A

15. REGULATORY INFORMATION

U.S. Federal Regulations

TSCA:

All ingredients of this product are listed or are exempt from listing on the TSCA Inventory.

The following RCRA code(s) applies to this material if it becomes waste:

None

Regulatory status of hazardous chemical constituents of this product:

Component	Extremely Hazardous*	Toxic Chemical**	CERCLA RQ (lbs)	12B EXPORT NOTIFICATION:
POLYGLYCOL DIMETHACRYLATE 25852-47-5	No	No	0.0	Not required
POLYGLYCOL OLEATE 9004-96-0	No	No	0.0	Not required
TREATED SILICON DIOXIDE, SYNTHETIC, CRYSTALLINE-FREE 67762-90-7	No	No	0.0	Not required
DIMETHYLBENZYL HYDROPEROXIDE 80-15-9	No	Yes	final RQ = 10 pounds (4.54 kg)	Not required
TITANIUM DIOXIDE 13463-67-7	No	No	0.0	Not required

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TRADE SECRET (Non-hazardous) MIXTURE	No	No	0.0	Not required
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*Consult the appropriate regulations for emergency planning and release reporting requirements for substances on the SARA Section 301 Extremely Hazardous Substance List.

**Substances for which the "Toxic Chemical" column is marked "Yes" are on the SARA Section 313 list of Toxic Chemicals, for which release reporting may be required. For specific requirements, consult the appropriate regulations.

For purposes of SARA Section 312 hazardous materials inventory reporting, the following hazard classes apply to this material: Immediate health hazard

California regulations: For purposes of the California Safe Drinking Water and Toxic Enforcement Act of 1986 (Prop 65), this product does not contain any listed chemical at or above the No Significant Risk Limit.

Canadian Regulations

WHMIS Hazard Class: D2B TOXIC MATERIALS

Canadian Inventory: All components of this product are on the Canadian Domestic Substances List .

16. OTHER INFORMATION

Hazardous Material Information System (HMIS) rating:

Health 2 Flammability 1 Physical Hazard 0

HMIS is a registered trademark of the National Paint and Coatings Assn.

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