



Safety Data Sheet

Blue Medium Strength Threadlocker

Section 1. Identification

Product Identifier Blue Medium Strength Threadlocker

Synonyms 49445

Manufacturer Stock Numbers 146819

Recommended use Refer to Technical Information

Uses advised against Refer to Technical Information

Manufacturer Contact

Address Dynatex *a division of* Soudal
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USA

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(270) 769-6418

Section 2. Hazards Identification

Classification CARCINOGENICITY - Category 2
SENSITIZATION - SKIN - Category 1
SERIOUS EYE DAMAGE /EYE IRRITATION - Category 2A
SKIN CORROSION/IRRITATION - Category 2
SPECIFIC TARGET ORGAN TOXICITY (Repeated Exposure) - Category 2
SPECIFIC TARGET ORGAN TOXICITY (Single Exposure) - Category 3

Signal Word Warning

Pictogram



Hazard Statements

Causes serious eye irritation.
Causes skin irritation.
May cause an allergic skin reaction.
May cause damage to organs through prolonged or repeated exposure.
May cause respiratory irritation.
Suspected of causing cancer.

Precautionary Statements

Response

Call a poison center/doctor if you feel unwell.
Get medical advice/attention if you feel unwell.
If exposed or concerned: Get medical advice/attention.
If eye irritation persists: Get medical advice/attention.
If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
If inhaled: Remove person to fresh air and keep comfortable for breathing.
If on skin: Wash with plenty of water.
If skin irritation occurs: Get medical advice/attention.
If skin irritation or rash occurs: Get medical advice/attention.
Specific treatment (see on this label)
Take off contaminated clothing and wash it before reuse.
Wash contaminated clothing before reuse.

Prevention

Avoid breathing dust/fume/gas/mist/ vapors/spray.
Contaminated work clothing must not be allowed out of the workplace.
Do not breathe dust/fume/gas/mist/ vapors/spray.
Do not handle until all safety precautions have been read and understood.
Obtain special instructions before use.
Use only outdoors or in a well-ventilated area.
Wash face, hands and any exposed skin thoroughly after handling.
Wear eye protection/face protection.
Wear protective gloves.
Wear protective gloves/protective clothing/eye protection/face protection.

Storage

Store in a well-ventilated place. Keep container tightly closed.
Store locked up.

Disposal

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

Ingredients of unknown toxicity

0%

Hazards not Otherwise Classified

Additional Information

None known

Section 3. Ingredients

CAS	Ingredient Name	Weight %
25852-47-5	Polyethylene Glycol 200 Dimethacrylate	50% - 59%
27813-02-1	2-Hydroxypropyl methacrylate	5% - 9%
80-15-9	α,α -dimethylbenzyl hydroperoxide	1% - 4%
67762-90-7	Fumed silica	1% - 4%
98-82-8	Cumene	$\leq 1\%$
114-83-0	2'-phenylacetohydrazide	$\leq 1\%$

Occupational exposure limits, if available, are listed in Section 8.

Section 4. First-Aid Measures

Description of first aid measures	After inhalation In case of unconsciousness place patient stably in side position for transportation.
	After skin contact Immediately wash with water and soap and rinse thoroughly.
	After eye contact Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
	After swallowing If symptoms persist consult doctor.
Most important symptoms and effects, both acute and delayed	No further relevant information available.
Indication of any immediate medical attention and special treatment needed	No further relevant information available.

Section 5. Fire Fighting Measures

Suitable Extinguishing Media	CO ₂ , extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam. CO ₂ , sand, extinguishing powder. Do not use water.
Unsuitable Extinguishing Media	Water
Special hazards arising from the substance or mixture	No further relevant information available
Advice for firefighters	Protective equipment: Wear self-contained respiratory protective device. Wear fully protective suit.

Section 6. Accidental Release Measures

Personal precautions, protective equipment and emergency procedures	Wear protective equipment. Keep unprotected persons away. Ensure adequate ventilation. Wear protective clothing.
Environmental precautions	Do not allow to enter sewers/ surface or ground water.
Methods and material for containment and cleaning up	Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust). Ensure adequate ventilation. Do not flush with water or aqueous cleansing agents Dispose of the collected material according to 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 7. Handling and Storage

Handling	Precautions for safe handling: Ensure good ventilation/exhaustion at the workplace. Prevent formation of aerosols. No special precautions are necessary if used correctly. Information about protection against explosions and fires: Keep ignition sources away - Do not smoke. Protect against electrostatic charges.
Storage	Requirements to be met by storerooms and receptacles: No special requirements. Information about storage in one common storage facility: Not required. Further information about storage conditions: Keep receptacle tightly sealed. Store in cool, dry conditions in well sealed receptacles.
Specific end use(s)	No further relevant information available.

Section 8. Exposure Controls/Personal Protection

Occupational Exposure Limits	Ingredient Name	ACGIH TLV	OSHA PEL	STEL
	Polyethylene Glycol 200 Dimethacrylate	N/A	N/A	N/A
	2-Hydroxypropyl methacrylate	N/A	N/A	N/A
	α,α -dimethylbenzyl hydroperoxide	None	None	N/A
	Fumed silica	N/A	N/A	N/A
	Cumene	N/A	N/A	N/A

Personal Protective
Equipment

Goggles, Gloves

Additional information
about design of technical
systems

No further data; see item 7

Components with limit
values that require
monitoring at the
workplace

The following constituent is the only constituent of the product which has a PEL, TLV or other recommended exposure limit.

CAS: 80-15-9 dimethylbenzyl hydroperoxide
WEEL Long-term value: 6 mg/m³, 1 ppm Skin

CAS: 98-82-8 cumene
PEL Long-term value: 245 mg/m³, 50 ppm Skin
REL Long-term value: 245 mg/m³, 50 ppm Skin
TLV Long-term value: (246) NIC-5 mg/m³, (50) NIC-1 ppm NIC-A3

Additional information:

The lists that were valid during the creation were used as basis.

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.

Avoid contact with the eyes and skin.

Breathing equipment:

Not required.

In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use respiratory protective device that is independent of circulating air.

Protection of hands:

Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

Material of gloves

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer.

As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

Nitrile rubber, NBR

Penetration time of glove material

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

Eye protection:

Tightly sealed goggles

Body protection:
Protective work clothing

Section 9. Physical and Chemical Properties

Physical State	Liquid
Color	Blue
Odor	Characteristic
Odor Threshold	Not determined
Solubility	Not miscible or difficult
Partition coefficient Water/n-octanol	Not determined
VOC%	0.64%
Viscosity	Not determined
Specific Gravity	1.07
Density lbs/Gal	8.92915
Pounds per Cubic Foot	N/A
Flash Point	95C (203F)
FP Method	N/A
pH	Not determined
Melting Point	Undetermined
Boiling Point	>= 200C (>=392F)
Boiling Range	N/A
LEL	N/A
UEL	N/A
Evaporation Rate	Not determined
Flammability	Not applicable
Decomposition Temperature	Not determined
Auto-ignition Temperature	Not selfigniting
Vapor Pressure	n.a
Vapor Density	Not determined

Note

The above information is not intended for use in preparing product specifications. Contact Soudal before writing specifications.

Section 10. Stability and Reactivity

Reactivity	No further relevant information available.
Thermal decomposition / conditions to be avoided	No decomposition if used according to specifications.
Possibility of hazardous reactions	No dangerous reactions known.
Conditions to avoid	No further relevant information available.
Incompatible materials	No further relevant information available.
Hazardous decomposition products	Aldehyde Hydrocarbons

Section 11. Toxicological Information

Acute toxicity

LD/LC50 values that are relevant for classification:

ATE (Acute Toxicity Estimate)

Oral LD50 5,991 mg/kg (rat)

Dermal LD50 29,467 mg/kg (rat)

Inhalative LC50/4 h 12,966 mg/l (rat)

80-15-9 dimethylbenzyl hydroperoxide

Oral LD50 382 mg/kg (rat)

Dermal LD50 500 mg/kg (rat)

Inhalative LC50/4 h 220 mg/l (rat)

114-83-0 2'-phenylacetohydrazide

Oral LD50 270 mg/kg (mouse)

98-82-8 cumene

Oral LD50 1,400 mg/kg (rat)

Dermal LD50 12,300 mg/kg (rabbit)

Inhalative LC50/4 h 24.7 mg/l (mouse)

Information on toxicological effects

Primary irritant effect:

on the skin: Irritant to skin and mucous membranes.

on the eye: Irritating effect.

Sensitization:

Sensitization possible through skin contact.

Additional toxicological information

The product shows the following dangers according to internally approved calculation methods for preparations:

Irritant

Carcinogenic categories

IARC (International Agency for Research on Cancer)

98-82-8 cumene 2B

13463-67-7 titanium dioxide 2B

111-76-2 2-butoxyethanol 3

NTP (National Toxicology Program)

98-82-8 cumene R

130-15-4 1,4-naphthoquinone R

Section 12. Ecological Information

Aquatic toxicity	No further relevant information available.
Persistence and degradability	No further relevant information available.
Bioaccumulative potential	No further relevant information available.
Mobility in soil	No further relevant information available.
Additional ecological information	Water hazard class 1 (Self-assessment): slightly hazardous for water Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.
Results of PBT and vPvB assessment	PBT: Not applicable. vPvB: Not applicable.
Other adverse effects	No further relevant information available.

Section 13. Disposal

Waste treatment methods Recommendation	Must not be disposed of together with household garbage. Do not allow product to reach sewage system.
Uncleaned packaging Recommendations	Disposal must be according to official regulations.

Section 14. Transport Information

UN Number	N/A
UN Proper Shipping Name	Not regulated
DOT Classification	Not regulated
Packing Group	Not regulated

Section 15. Regulatory Information

SARA	Section 355 (extremely hazardous substances): None of the ingredients is listed. Section 313 (Specific toxic chemical listings): 80-15-9 dimethylbenzyl hydroperoxide 98-82-8 cumene 111-76-2 2-butoxyethanol
TSCA (Toxic Substances Control Act)	2-(2-methylprop-2-enoyloxy)ethyl 2-methylprop-2-enoate ACTIVE Tetraethylene glycol hexoate ACTIVE methacrylic acid, monoester with propane-1,2-diol ACTIVE Amorphous Silica ACTIVE dimethylbenzyl hydroperoxide ACTIVE

Saccharin ACTIVE
propane-1,2-diol ACTIVE
2'-phenylacetohydrazide ACTIVE
cumene ACTIVE
2-Phenyl-2-propanol ACTIVE
titanium dioxide ACTIVE
tetrasodium ethylenediaminetetraacetate ACTIVE
N-isopropylhydroxylamine ACTIVE
Colorant ACTIVE
1,4-naphthoquinone ACTIVE
Colorant ACTIVE
Silicon dioxide, amorphous ACTIVE
Alumina Trihydrate ACTIVE
2-Propanone, oxime ACTIVE
2,4,7,9-tetramethyldec-5-yne-4,7-diol ACTIVE
2-butoxyethanol ACTIVE
Deionized water ACTIVE

Hazardous Air Pollutants

98-82-8 cumene
130-15-4 1,4-naphthoquinone

California Prop 65

Chemicals known to cause cancer:
98-82-8 cumene

Chemicals known to cause reproductive toxicity for females:
None of the ingredients is listed.

Chemicals known to cause reproductive toxicity for males:
None of the ingredients is listed.

Chemicals known to cause developmental toxicity:
None of the ingredients is listed

Carcinogenic categories

EPA (Environmental Protection Agency)
98-82-8 cumene D, CBD
111-76-2 2-butoxyethanol NL

TLV (Threshold Limit Value established by ACGIH)
13463-67-7 titanium dioxide A4
111-76-2 2-butoxyethanol A3

NIOSH-Ca (National Institute for Occupational Safety and Health)
13463-67-7 titanium dioxide

Section 16. Other Information

Revision Date

1/31/2020

Disclaimer

The data contained herein is based upon information that Soudal believes to be reliable. Users of this product have the responsibility to determine that suitability of use and to adopt all necessary precautions to ensure the safety and protection of property and persons involved in said use. All statements or suggestions are made without warranty, expressed or implied, regarding the

accuracy of the information, the hazards connected with the use of the material or the results to be obtained from the use thereof.