

## Safety Data Sheet

### Blue Medium Strength Threadlocker Gel

#### Section 1. Identification

Product Identifier Blue Medium Strength Threadlocker Gel

Synonyms 49447

Manufacturer Stock Numbers 146821

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 (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 respiratory irritation  
Suspected of causing cancer

Precautionary Statements

Response

Call a poison center/doctor 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 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 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% |
| 67762-90-7 | Fumed silica                           | 5% - 9%   |
| 27813-02-1 | 2-Hydroxypropyl methacrylate           | 5% - 9%   |
|            | Acrylic powder                         | 20% - 29% |
| 128-44-9   | Saccharin                              | 1% - 4%   |
| 114-83-0   | 2'-phenylacetohydrazide                | <= 1 %    |
| 98-82-8    | Cumene                                 | <= 1 %    |

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

## Section 4. First-Aid Measures

|  |   |
|--|---|
| Description of first aid measures  | <p>After inhalation<br/>In case of unconsciousness place patient stably in side position for transportation.</p> <p>After skin contact<br/>Immediately wash with water and soap and rinse thoroughly.</p> <p>After eye contact<br/>Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.</p> <p>After swallowing<br/>If symptoms persist consult doctor.</p> |
| 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                          | <p>CO2, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.</p> <p>CO2, sand, extinguishing powder. Do not use water.</p> |
| Unsuitable Extinguishing Media                        | Water   |
| Special hazards arising from the substance or mixture | No further relevant information available   |
| Advice for firefighters                               | <p>Protective equipment:<br/>Wear self-contained respiratory protective device.<br/>Wear fully protective suit.</p>   |

|   |  |
|---|--|
| 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).<br>Ensure adequate ventilation.<br>Do not flush with water or aqueous cleansing agents<br>Dispose of the collected material according to regulations. |
| Reference to other sections   | See Section 7 for information on safe handling.<br>See Section 8 for information on personal protection equipment.<br>See Section 13 for disposal information.   |

## Section 7. Handling and Storage

|                     |   |
|---------------------|---|
| Handling            | <p>Precautions for safe handling:<br/>Ensure good ventilation/exhaustion at the workplace.<br/>Prevent formation of aerosols.<br/>No special precautions are necessary if used correctly.</p> <p>Information about protection against explosions and fires:<br/>Keep ignition sources away - Do not smoke.<br/>Protect against electrostatic charges.</p> |
| Storage             | <p>Requirements to be met by storerooms and receptacles:<br/>No special requirements.</p> <p>Information about storage in one common storage facility:<br/>Not required.</p> <p>Further information about storage conditions:<br/>Keep receptacle tightly sealed.<br/>Store in cool, dry conditions in well sealed receptacles.</p>                       |
| 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  |
|                              | Fumed silica                           | N/A       | N/A      | N/A  |
|                              | 2-Hydroxypropyl methacrylate           | N/A       | N/A      | N/A  |
|                              | Acrylic powder                         | N/A       | N/A      | N/A  |
|                              | Saccharin                              | N/A       | N/A      | N/A  |
|                              | 2'-phenylacetohydrazide                | 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.

98-82-8 cumene

PEL Long-term value: 245 mg/m<sup>3</sup>, 50 ppm Skin

REL Long-term value: 245 mg/m<sup>3</sup>, 50 ppm Skin

TLV Long-term value: (246) NIC-5 mg/m<sup>3</sup>, (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

Personal protective equipment

## Section 9. Physical and Chemical Properties

|                                       |                           |
|---------------------------------------|---------------------------|
| Physical State                        | Gel                       |
| Color                                 | Blue                      |
| Odor                                  | Characteristic            |
| Odor Threshold                        | Not determined            |
| Solubility                            | Not miscible or difficult |
| Partition coefficient Water/n-octanol | Not determined            |
| VOC%                                  | 0.77%                     |
| Viscosity                             | Not determined            |
| Specific Gravity                      | N/A                       |
| Density lbs/Gal                       | N/A                       |
| Pounds per Cubic Foot                 | N/A                       |
| Flash Point                           | 95C (203F)                |
| FP Method                             | N/A                       |
| pH                                    | Not determined            |
| Melting Point                         | Undetermined              |
| Boiling Point                         | >= 200C<br>(>=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<br>Hydrocarbons                   |

## Section 11. Toxicological Information

|                                      |   |
|--------------------------------------|---|
| Acute toxicity                       | LD/LC50 values that are relevant for classification:<br><br>128-44-9 Saccharin<br>Oral LD50 1,280 mg/kg (rat)<br><br>114-83-0 2'-phenylacetohydrazide<br>Oral LD50 270 mg/kg (mouse)<br><br>98-82-8 cumene<br>Oral LD50 1,400 mg/kg (rat)<br>Dermal LD50 12,300 mg/kg (rabbit)<br>Inhalative LC50/4 h 24.7 mg/l (mouse)     |
| Information on toxicological effects | Primary irritant effect:<br>on the skin: Irritant to skin and mucous membranes.<br>on the eye: Irritating effect.<br><br>Sensitization:<br>Sensitization possible through skin contact.   |
| Additional toxicological information | The product shows the following dangers according to internally approved calculation methods for preparations:<br>Irritant  |
| Carcinogenic categories              | IARC (International Agency for Research on Cancer)<br>98-82-8 cumene 2B<br>91-20-3 naphthalene 2B<br><br>NTP (National Toxicology Program)<br>98-82-8 cumene R<br>130-15-4 1,4-naphthoquinone R<br>91-20-3 naphthalene R<br><br>OSHA-Ca (Occupational Safety & Health Administration)<br>None of the ingredients is listed. |

## 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<br>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.<br>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 packagings 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  
91-20-3 naphthalene

TSCA (Toxic Substances Control Act)  
Polyglycol dimethacrylate  
Hydroxypropyl methacrylate  
Synthetic amorphous silica (fumed)  
Saccharin  
dimethylbenzyl hydroperoxide  
Propylene glycol  
2'-phenylacetohydrazide  
cumene  
N-isopropylhydroxylamine  
2-Phenyl-2-propanol  
Solvent naphtha (petroleum), heavy arom.  
tetrasodium ethylenediaminetetraacetate  
1-hydroxyethane-1,1-diylbis(phosphonic acid)  
1,4-naphthoquinone  
Colorant



naphthalene  
acetone oxime  
phosphorous acid  
Deionized water

TSCA new (21st Century Act) (Substances not listed)  
25852-47-5 Polyglycol dimethacrylate  
Acrylic polymer  
114-83-0 2'-phenylacetohydrazide

California Prop 65

Chemicals known to cause cancer:  
98-82-8 cumene  
91-20-3 naphthalene

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  
91-20-3 naphthalene C, CBD

TLV (Threshold Limit Value established by ACGIH)  
91-20-3 naphthalene A4

NIOSH-Ca (National Institute for Occupational Safety and Health)  
None of the ingredients is listed

## 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.