



# SAFETY DATA SHEET

Revision Date 07-Mar-2017

Version 4

## 1. IDENTIFICATION

### Product identifier

**Product Name** SURFACE INSENSITIVE THREADLOCKER BLUE 10ML

### Other means of identification

**Product Code** 24300

**Synonyms** None

### Recommended use of the chemical and restrictions on use

**Recommended Use** Adhesive

**Uses advised against** No information available

### Details of the supplier of the safety data sheet

#### Manufacturer Address

ITW Permatex  
6875 Parkland Blvd.  
Solon, OH 44139 USA

#### May Also Be Distributed by:

ITW Permatex Canada  
35 Brownridge Road, Unit 1  
Halton Hills, ON Canada L7G 0C6  
Telephone: (800) 924-6994

**24 Hour Emergency Phone Number** Chem-Tel: 800-255-3924  
International Emergency:  
00+1+ 813-248-0585  
Contract Number: MIS0003453

**E-mail address** mail@permatex.com

## 2. HAZARDS IDENTIFICATION

### Classification

#### **OSHA Regulatory Status**

This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

|                                                    |             |
|----------------------------------------------------|-------------|
| Skin corrosion/irritation                          | Category 2  |
| Serious eye damage/eye irritation                  | Category 2A |
| Skin sensitization                                 | Category 1  |
| Specific target organ toxicity (repeated exposure) | Category 2  |

### Label elements

#### **Emergency Overview**

#### **Warning**

Causes skin irritation  
Causes serious eye irritation  
May cause an allergic skin reaction  
May cause damage to organs through prolonged or repeated exposure



**Appearance** Blue

**Physical state** Liquid

**Odor** Mild

**Precautionary Statements - Prevention**

Wash face, hands and any exposed skin thoroughly after handling  
Wear protective gloves/protective clothing/eye protection/face protection  
Contaminated work clothing should not be allowed out of the workplace  
Do not breathe dust/fume/gas/mist/vapors/spray

**Precautionary Statements - Response**

Specific treatment (see supplemental first aid instructions on this label)  
Get medical advice/attention if you feel unwell

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing  
If eye irritation persists: Get medical advice/attention  
IF ON SKIN: Wash with plenty of soap and water  
Take off contaminated clothing and wash before reuse  
If skin irritation or rash occurs: Get medical advice/attention

**Precautionary Statements - Storage**

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

**Precautionary Statements - Disposal**

Dispose of contents/container to an approved waste disposal plant

**Hazards not otherwise classified (HNOC)**

Not applicable

**Other Information**

- Not applicable

Unknown acute toxicity

70.88 % of the mixture consists of ingredient(s) of unknown toxicity

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

**Substance(s)**

| Chemical Name                | CAS No     | Weight-% | Trade Secret |
|------------------------------|------------|----------|--------------|
| POLYGLYCOL DIMETHACRYLATE    | 25852-47-5 | 40 - 70  | *            |
| TETRAETHYLENE GLYCOL HEXOATE | 18268-70-7 | 10 - 30  | *            |
| SACCHARIN                    | 81-07-2    | 1 - 5    | *            |
| DIMETHYLBENZYL HYDROPEROXIDE | 80-15-9    | 1 - 5    | *            |
| MALEIC ACID                  | 110-16-7   | 0.1 - 1  | *            |
| ACRYLIC ACID                 | 79-10-7    | 0.1 - 1  | *            |

### 4. FIRST AID MEASURES

**Description of first aid measures**

**General advice**

Get medical advice/attention if you feel unwell.

---

|                                    |                                                                                                                                                                                            |
|------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Eye contact                        | IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention. |
| Skin contact                       | IF ON SKIN: Wash with soap and water. In the case of skin irritation or allergic reactions see a physician. Wash contaminated clothing before reuse.                                       |
| Inhalation                         | IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. If symptoms persist, call a physician.                                                    |
| Ingestion                          | IF SWALLOWED: Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Call a physician.                                                                             |
| Self-protection of the first aider | Use personal protective equipment as required.                                                                                                                                             |

**Most important symptoms and effects, both acute and delayed**

**Symptoms** See section 2 for more information.

**Indication of any immediate medical attention and special treatment needed**

**Note to physicians** Treat symptomatically.

## 5. FIRE-FIGHTING MEASURES

**Suitable extinguishing media**

Carbon dioxide (CO<sub>2</sub>), Dry chemical, Foam

**Unsuitable extinguishing media**

None.

**Specific hazards arising from the chemical**

None in particular.

**Explosion data**

**Sensitivity to Mechanical Impact** None.

**Sensitivity to Static Discharge** None.

**Protective equipment and precautions for firefighters**

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

## 6. ACCIDENTAL RELEASE MEASURES

**Personal precautions, protective equipment and emergency procedures**

**Personal precautions** Ensure adequate ventilation, especially in confined areas. Avoid contact with eyes and skin. Use personal protective equipment as required.

**Environmental precautions**

**Environmental precautions** Do not flush into surface water or sanitary sewer system. See Section 12 for additional ecological Information.

**Methods and material for containment and cleaning up**

**Methods for containment** Prevent further leakage or spillage if safe to do so.

**Methods for cleaning up** Ensure adequate ventilation. Soak up with inert absorbent material. Sweep up and shovel into suitable containers for disposal.

**Prevention of secondary hazards** Clean contaminated objects and areas thoroughly observing environmental regulations.

## 7. HANDLING AND STORAGE

### Precautions for safe handling

**Advice on safe handling** Handle in accordance with good industrial hygiene and safety practice. Avoid breathing vapors or mists. Avoid contact with skin, eyes or clothing. Wash thoroughly after handling. Wash contaminated clothing before reuse. Use personal protective equipment as required.

### Conditions for safe storage, including any incompatibilities

**Storage Conditions** Keep containers tightly closed in a dry, cool and well-ventilated place.

**Incompatible materials** Strong oxidizing agents, Peroxides, Inert Gases

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Control parameters

#### Exposure Guidelines

| Chemical Name           | ACGIH TLV        | OSHA PEL                                                                     | NIOSH IDLH                             |
|-------------------------|------------------|------------------------------------------------------------------------------|----------------------------------------|
| ACRYLIC ACID<br>79-10-7 | TWA: 2 ppm<br>S* | (vacated) TWA: 10 ppm<br>(vacated) TWA: 30 mg/m <sup>3</sup><br>(vacated) S* | TWA: 2 ppm<br>TWA: 6 mg/m <sup>3</sup> |

NIOSH IDLH *Immediately Dangerous to Life or Health*

**Other Information** Vacated limits revoked by the Court of Appeals decision in AFL-CIO v. OSHA, 965 F.2d 962 (11th Cir., 1992).

### Appropriate engineering controls

**Engineering Controls** Showers  
Eyewash stations  
Ventilation systems

### Individual protection measures, such as personal protective equipment

**Eye/face protection** Tight sealing safety goggles.

**Skin and body protection** Wear protective natural rubber, nitrile rubber, Neoprene™ or PVC gloves.

**Respiratory protection** Use NIOSH-approved air-purifying respirator with organic vapor cartridge or canister, as appropriate.

**General Hygiene Considerations** Handle in accordance with good industrial hygiene and safety practice. Regular cleaning of equipment, work area and clothing is recommended.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### Information on basic physical and chemical properties

**Physical state** Liquid  
**Appearance** Blue  
**Odor** Mild  
**Odor threshold** No information available

| <u>Property</u>                | <u>Values</u>            | <u>Remarks • Method</u> |
|--------------------------------|--------------------------|-------------------------|
| pH                             | No information available |                         |
| Melting point / freezing point | No information available |                         |
| Boiling point / boiling range  | > 150 °C / >302 °F       |                         |

|                              |                          |                                  |
|------------------------------|--------------------------|----------------------------------|
| Flash point                  | > 95 °C / > 203 °F       | Pensky-Martens Closed Cup (PMCC) |
| Evaporation rate             | < 1                      | Butyl acetate = 1                |
| Flammability (solid, gas)    | No information available |                                  |
| Flammability Limit in Air    |                          |                                  |
| Upper flammability limit:    | No information available |                                  |
| Lower flammability limit:    | No information available |                                  |
| Vapor pressure               | No information available |                                  |
| Vapor density                | >1                       | Air = 1                          |
| Relative density             | 1.00-1.15                |                                  |
| Water solubility             | Insoluble in water       |                                  |
| Solubility in other solvents | No information available |                                  |
| Partition coefficient        | No information available |                                  |
| Autoignition temperature     | No information available |                                  |
| Decomposition temperature    | No information available |                                  |
| Kinematic viscosity          | No information available |                                  |
| Dynamic viscosity            | No information available |                                  |
| Explosive properties         | No information available |                                  |
| Oxidizing properties         | No information available |                                  |

#### Other Information

|                  |                          |
|------------------|--------------------------|
| Softening point  | No information available |
| Molecular weight | No information available |
| VOC Content (%)  | <3%                      |
| Density          | No information available |
| Bulk density     | No information available |

### 10. STABILITY AND REACTIVITY

#### Reactivity

No data available

#### Chemical stability

Stable under recommended storage conditions

#### Possibility of Hazardous Reactions

None under normal processing.

#### Conditions to avoid

Excessive heat.

#### Incompatible materials

Strong oxidizing agents, Peroxides, Inert Gases

#### Hazardous Decomposition Products

Carbon oxides

### 11. TOXICOLOGICAL INFORMATION

#### Information on likely routes of exposure

|              |                                                                                       |
|--------------|---------------------------------------------------------------------------------------|
| Inhalation   | May cause damage to organs through prolonged or repeated exposure if inhaled.         |
| Eye contact  | Contact with eyes may cause irritation. May cause redness and tearing of the eyes.    |
| Skin contact | May cause skin irritation and/or dermatitis. May cause sensitization by skin contact. |
| Ingestion    | Ingestion may cause irritation to mucous membranes.                                   |

| Chemical Name        | Oral LD50         | Dermal LD50           | Inhalation LC50 |
|----------------------|-------------------|-----------------------|-----------------|
| TETRAETHYLENE GLYCOL | = 18 g/kg ( Rat ) | > 20 mL/kg ( Rabbit ) | -               |

|                                            |                                              |                                                  |                                                   |
|--------------------------------------------|----------------------------------------------|--------------------------------------------------|---------------------------------------------------|
| HEXOATE<br>18268-70-7                      |                                              |                                                  |                                                   |
| DIMETHYLBENZYL<br>HYDROPEROXIDE<br>80-15-9 | = 382 mg/kg ( Rat )                          | = 0.126 mL/kg ( Rabbit )                         | = 220 ppm ( Rat ) 4 h                             |
| MALEIC ACID<br>110-16-7                    | = 708 mg/kg ( Rat )                          | = 1560 mg/kg ( Rabbit )                          | > 720 mg/m <sup>3</sup> ( Rat ) 1 h               |
| ACRYLIC ACID<br>79-10-7                    | = 33500 µg/kg ( Rat ) = 193 mg/kg<br>( Rat ) | = 295 mg/kg ( Rabbit ) = 280 µL/kg<br>( Rabbit ) | = 3.6 mg/L ( Rat ) 4 h = 11.1 mg/L<br>( Rat ) 1 h |

#### Information on toxicological effects

**Symptoms** No information available.

#### Delayed and immediate effects as well as chronic effects from short and long-term exposure

**Sensitization** No information available.

**Germ cell mutagenicity** No information available.

**Carcinogenicity** The table below indicates whether each agency has listed any ingredient as a carcinogen.

| Chemical Name           | ACGIH | IARC    | NTP | OSHA |
|-------------------------|-------|---------|-----|------|
| SACCHARIN<br>81-07-2    | -     | Group 3 | -   | -    |
| ACRYLIC ACID<br>79-10-7 | -     | Group 3 | -   | -    |

*IARC (International Agency for Research on Cancer)*

*Not classifiable as a human carcinogen*

The following values are calculated based on chapter 3.1 of the GHS document .

**ATEmix (oral)** 5215 mg/kg

**ATEmix (dermal)** 11522 mg/kg

**ATEmix (inhalation-dust/mist)** 9.7 mg/l

## 12. ECOLOGICAL INFORMATION

#### Ecotoxicity

93.391 % of the mixture consists of components(s) of unknown hazards to the aquatic environment

#### Persistence and degradability

No information available.

#### Bioaccumulation

No information available.

#### Mobility

No information available.

| Chemical Name           | Partition coefficient |
|-------------------------|-----------------------|
| MALEIC ACID<br>110-16-7 | -0.79 - 0.32          |
| ACRYLIC ACID<br>79-10-7 | 0.38 - 0.46           |

#### Other adverse effects

No information available

## 13. DISPOSAL CONSIDERATIONS

#### Waste treatment methods

**Disposal of wastes** Disposal should be in accordance with applicable regional, national and local laws and regulations.

Contaminated packaging Do not reuse container.

US EPA Waste Number Not applicable

This product contains one or more substances that are listed with the State of California as a hazardous waste.

| Chemical Name                           | California Hazardous Waste Status |
|-----------------------------------------|-----------------------------------|
| DIMETHYLBENZYL HYDROPEROXIDE<br>80-15-9 | Toxic<br>Ignitable                |

#### 14. TRANSPORT INFORMATION

##### DOT

Proper shipping name: Not regulated

##### IATA

Proper shipping name: Not regulated

##### IMDG

Proper shipping name: Not regulated

#### 15. REGULATORY INFORMATION

##### International Inventories

|               |             |
|---------------|-------------|
| TSCA          | Complies    |
| DSL/NDL       | Complies    |
| EINECS/ELINCS | Not Listed. |
| ENCS          | Not Listed. |
| IECSC         | Complies    |
| KECL          | Complies    |
| PICCS         | Not Listed. |
| AICS          | Complies    |

##### Legend:

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory  
 DSL/NDL - Canadian Domestic Substances List/Non-Domestic Substances List  
 EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances  
 ENCS - Japan Existing and New Chemical Substances  
 IECSC - China Inventory of Existing Chemical Substances  
 KECL - Korean Existing and Evaluated Chemical Substances  
 PICCS - Philippines Inventory of Chemicals and Chemical Substances  
 AICS - Australian Inventory of Chemical Substances

##### US Federal Regulations

##### SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

| Chemical Name                          | SARA 313 - Threshold Values % |
|----------------------------------------|-------------------------------|
| DIMETHYLBENZYL HYDROPEROXIDE - 80-15-9 | 1.0                           |
| SACCHARIN - 81-07-2                    | 1.0                           |

##### SARA 311/312 Hazard Categories

|                                   |     |
|-----------------------------------|-----|
| Acute health hazard               | Yes |
| Chronic Health Hazard             | No  |
| Fire hazard                       | No  |
| Sudden release of pressure hazard | No  |

**Reactive Hazard**

No

**CWA (Clean Water Act)**

This product contains the following substances which are regulated pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

| Chemical Name           | CWA - Reportable Quantities | CWA - Toxic Pollutants | CWA - Priority Pollutants | CWA - Hazardous Substances |
|-------------------------|-----------------------------|------------------------|---------------------------|----------------------------|
| MALEIC ACID<br>110-16-7 | 5000 lb                     | -                      | -                         | X                          |

**CERCLA**

This material, as supplied, contains one or more substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302)

| Chemical Name                              | Hazardous Substances RQs | CERCLA/SARA RQ | Reportable Quantity (RQ)                   |
|--------------------------------------------|--------------------------|----------------|--------------------------------------------|
| DIMETHYLBENZYL<br>HYDROPEROXIDE<br>80-15-9 | 10 lb                    | -              | RQ 10 lb final RQ<br>RQ 4.54 kg final RQ   |
| MALEIC ACID<br>110-16-7                    | 5000 lb                  | -              | RQ 5000 lb final RQ<br>RQ 2270 kg final RQ |
| ACRYLIC ACID<br>79-10-7                    | 5000 lb                  | -              | RQ 5000 lb final RQ<br>RQ 2270 kg final RQ |

**US State Regulations****California Proposition 65**

This product is not known to contain any chemicals listed as carcinogens or reproductive toxins.

**U.S. State Right-to-Know Regulations**

| Chemical Name                              | New Jersey | Massachusetts | Pennsylvania |
|--------------------------------------------|------------|---------------|--------------|
| PROPYLENE GLYCOL<br>57-55-6                | X          | -             | X            |
| DIMETHYLBENZYL<br>HYDROPEROXIDE<br>80-15-9 | X          | X             | X            |
| SACCHARIN<br>81-07-2                       | X          | X             | X            |
| ACRYLIC ACID<br>79-10-7                    | X          | X             | X            |
| WATER<br>7732-18-5                         | -          | -             | X            |

**U.S. EPA Label Information**

**EPA Pesticide Registration Number** Not applicable

**WHMIS Hazard Class**

D2B - Toxic materials

**16. OTHER INFORMATION, INCLUDING DATE OF PREPARATION OF THE LAST REVISION**

|             |                         |                       |                           |                              |
|-------------|-------------------------|-----------------------|---------------------------|------------------------------|
| <b>NFPA</b> | <b>Health hazards</b> 2 | <b>Flammability</b> 1 | <b>Instability</b> 0      | -                            |
| <b>HMIS</b> | <b>Health hazards</b> 2 | <b>Flammability</b> 1 | <b>Physical hazards</b> 0 | <b>Personal protection</b> B |

NFPA (National Fire Protection Association)  
HMIS (Hazardous Material Information System)

**Revision Date** 07-Mar-2017

**Disclaimer**

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.



End of Safety Data Sheet