



# SAFETY DATA SHEET

Revision Date 24-Apr-2015

Version 1

## 1. IDENTIFICATION

### Product identifier

**Product Name** 14D THREAD SEALANT WITH PTFE 16 FL.OZ.

### Other means of identification

**Product Code** 80633

**Synonyms** None

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

**Recommended Use** Sealant

**Uses advised against** No information available

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

#### Manufacturer Address

ITW Permatex  
10 Columbus Blvd.  
Hartford, CT 06106 USA

#### Distributor

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

**Company Phone Number** 1-87-Permatex  
(877) 376-2839

**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)

|  |            |
|--|------------|
| Acute toxicity - Oral                            | Category 4 |
| Carcinogenicity                                  | Category 2 |
| Specific target organ toxicity (single exposure) | Category 1 |
| Flammable liquids                                | Category 3 |

### Label elements

#### **Emergency Overview**

#### **Danger**

Harmful if swallowed  
May cause cancer  
Causes damage to organs  
Flammable Liquid

**Appearance** White**Physical state** Paste**Odor** Alcoholic**Precautionary Statements - Prevention**

Obtain special instructions before use  
 Do not handle until all safety precautions have been read and understood  
 Use personal protective equipment as required  
 Wash face, hands and any exposed skin thoroughly after handling  
 Do not eat, drink or smoke when using this product  
 Do not breathe dust/fume/gas/mist/vapors/spray  
 Keep away from heat/sparks/open flames/hot surfaces. — No smoking  
 Keep container tightly closed  
 Take precautionary measures against static discharge

**Precautionary Statements - Response**

IF exposed: Call a POISON CENTER or doctor/physician  
 Specific treatment (see supplemental first aid instructions on this label)  
 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower  
 IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell  
 Rinse mouth  
 In case of fire: Use Water spray, fog or regular foam for extinction

**Precautionary Statements - Storage**

Store locked up

**Precautionary Statements - Disposal**

Dispose of contents/container to an approved waste disposal plant

**Hazards not otherwise classified (HNOC)**

Not applicable

**Other Information**

Harmful to aquatic life with long lasting effects.

Unknown acute toxicity                      65.99515% of the mixture consists of ingredient(s) of unknown toxicity

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

**substance(s)**

| Chemical Name           | CAS No     | Weight-% | Trade Secret |
|-------------------------|------------|----------|--------------|
| TALC                    | 14807-96-6 | 15 - 40  | *            |
| ETHANOL                 | 64-17-5    | 10 - 30  | *            |
| CASTOR OIL              | 8001-79-4  | 10 - 30  | *            |
| POLYVINYL RESIN         | 63148-65-2 | 5 - 10   | *            |
| 2-PROPANOL              | 67-63-0    | 1 - 5    | *            |
| TITANIUM DIOXIDE        | 13463-67-7 | 1 - 5    | *            |
| METHANOL                | 67-56-1    | 1 - 5    | *            |
| POLYTETRAFLUOROETHYLENE | 9002-84-0  | 1 - 5    | *            |

\*The exact percentage (concentration) of composition has been withheld as a trade secret.

#### 4. FIRST AID MEASURES

##### Description of first aid measures

|   |  |
|---|--|
| <b>General advice</b>                     | Get medical advice/attention if you feel unwell.   |
| <b>Eye contact</b>                        | 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. |
| <b>Skin contact</b>                       | IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. Wash with soap and water. If symptoms persist, call a physician.                |
| <b>Inhalation</b>                         | IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. If symptoms persist, call a physician.  |
| <b>Ingestion</b>                          | IF SWALLOWED: Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Call a physician.   |
| <b>Self-protection of the first aider</b> | Use personal protective equipment as required. Avoid contact with skin, eyes or clothing.  |

##### 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

Flammable. Keep product and empty container away from heat and sources of ignition.

##### 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** Remove all sources of ignition. Use personal protective equipment as required. Ensure adequate ventilation, especially in confined areas. Avoid contact with skin, eyes or clothing. Wash thoroughly after handling.

##### 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

|  |   |
|--|---|
| <b>Methods for containment</b>         | Prevent further leakage or spillage if safe to do so.   |
| <b>Methods for cleaning up</b>         | Eliminate all ignition sources if safe to do so. Ensure adequate ventilation. Soak up with inert absorbent material. Sweep up and shovel into suitable containers for disposal. |
| <b>Prevention of secondary hazards</b> | Clean contaminated objects and areas thoroughly observing environmental regulations.  |

## 7. HANDLING AND STORAGE

### Precautions for safe handling

|                                |   |
|--------------------------------|---|
| <b>Advice on safe handling</b> | 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. Keep away from heat/sparks/open flames/hot surfaces. — No smoking. |
|--------------------------------|---|

### Conditions for safe storage, including any incompatibilities

|                           |   |
|---------------------------|---|
| <b>Storage Conditions</b> | Keep away from heat, sparks, flame and other sources of ignition (i.e., pilot lights, electric motors and static electricity). Store locked up. |
|---------------------------|---|

|                               |                         |
|-------------------------------|-------------------------|
| <b>Incompatible materials</b> | Strong oxidizing agents |
|-------------------------------|-------------------------|

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Control parameters

#### Exposure Guidelines

| Chemical Name                  | ACGIH TLV  | OSHA PEL   | NIOSH IDLH   |
|--------------------------------|--|--|--|
| TALC<br>14807-96-6             | TWA: 2 mg/m <sup>3</sup> particulate matter containing no asbestos and <1% crystalline silica, respirable fraction | (vacated) TWA: 2 mg/m <sup>3</sup> respirable dust <1% Crystalline silica, containing no Asbestos<br>TWA: 20 mppcf if 1% Quartz or more, use Quartz limit  | IDLH: 1000 mg/m <sup>3</sup><br>TWA: 2 mg/m <sup>3</sup> containing no Asbestos and <1% Quartz respirable dust |
| ETHANOL<br>64-17-5             | STEL: 1000 ppm   | TWA: 1000 ppm<br>TWA: 1900 mg/m <sup>3</sup><br>(vacated) TWA: 1000 ppm<br>(vacated) TWA: 1900 mg/m <sup>3</sup>   | IDLH: 3300 ppm<br>TWA: 1000 ppm<br>TWA: 1900 mg/m <sup>3</sup>   |
| 2-PROPANOL<br>67-63-0          | STEL: 400 ppm<br>TWA: 200 ppm  | TWA: 400 ppm<br>TWA: 980 mg/m <sup>3</sup><br>(vacated) TWA: 400 ppm<br>(vacated) TWA: 980 mg/m <sup>3</sup><br>(vacated) STEL: 500 ppm<br>(vacated) STEL: 1225 mg/m <sup>3</sup>                | IDLH: 2000 ppm<br>TWA: 400 ppm<br>TWA: 980 mg/m <sup>3</sup><br>STEL: 500 ppm<br>STEL: 1225 mg/m <sup>3</sup>  |
| TITANIUM DIOXIDE<br>13463-67-7 | TWA: 10 mg/m <sup>3</sup>  | TWA: 15 mg/m <sup>3</sup> total dust<br>(vacated) TWA: 10 mg/m <sup>3</sup> total dust   | IDLH: 5000 mg/m <sup>3</sup>   |
| METHANOL<br>67-56-1            | STEL: 250 ppm<br>TWA: 200 ppm<br>S*  | TWA: 200 ppm<br>TWA: 260 mg/m <sup>3</sup><br>(vacated) TWA: 200 ppm<br>(vacated) TWA: 260 mg/m <sup>3</sup><br>(vacated) STEL: 250 ppm<br>(vacated) STEL: 325 mg/m <sup>3</sup><br>(vacated) S* | IDLH: 6000 ppm<br>TWA: 200 ppm<br>TWA: 260 mg/m <sup>3</sup><br>STEL: 250 ppm<br>STEL: 325 mg/m <sup>3</sup>   |

NIOSH IDLH *Immediately Dangerous to Life or Health*

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

### Appropriate engineering controls

|                             |  |
|-----------------------------|--|
| <b>Engineering Controls</b> | Showers<br>Eyewash stations<br>Ventilation systems |
|-----------------------------|--|

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

|                                       |  |
|---------------------------------------|--|
| <b>Eye/face protection</b>            | Wear safety glasses with side shields (or goggles).  |
| <b>Skin and body protection</b>       | Wear protective gloves and protective clothing.  |
| <b>Respiratory protection</b>         | Use NIOSH-approved air-purifying respirator with organic vapor cartridge or canister, as appropriate.  |
| <b>General Hygiene Considerations</b> | 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**

|                                |                          |                                     |
|--------------------------------|--------------------------|-------------------------------------|
| <b>Physical state</b>          | Paste                    |                                     |
| <b>Appearance</b>              | White                    |                                     |
| <b>Odor</b>                    | Alcoholic                |                                     |
| <b>Odor threshold</b>          | No information available |                                     |
| <b><u>Property</u></b>         | <b><u>Values</u></b>     | <b><u>Remarks • Method</u></b>      |
| pH                             | No information available |                                     |
| Melting point / freezing point | No information available |                                     |
| Boiling point / boiling range  | 82 °C / 180 °F           |                                     |
| Flash point                    | 23 °C / 74 °F            |                                     |
| Evaporation rate               | < 1                      | Tag Closed Cup<br>Butyl acetate = 1 |
| Flammability (solid, gas)      | No information available |                                     |
| Flammability Limit in Air      |                          |                                     |
| Upper flammability limit:      | 12.7%                    |                                     |
| Lower flammability limit:      | 2.3%                     |                                     |
| Vapor pressure                 | 33 mm Hg @ 68°F          |                                     |
| Vapor density                  | >1                       | Air = 1                             |
| Relative density               | 1.06-1.10                |                                     |
| Water solubility               | Partially soluble        |                                     |
| 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**

|                         |                          |
|-------------------------|--------------------------|
| <b>Softening point</b>  | No information available |
| <b>Molecular weight</b> | No information available |
| <b>VOC Content (%)</b>  | 36.7%                    |
| <b>Density</b>          | No information available |
| <b>Bulk density</b>     | 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**

Heat, flames and sparks.

**Incompatible materials**

Strong oxidizing agents

**Hazardous Decomposition Products**

Carbon oxides

Fluorides

**11. TOXICOLOGICAL INFORMATION****Information on likely routes of exposure**

|                     |  |
|---------------------|--|
| <b>Inhalation</b>   | Harmful by inhalation.   |
| <b>Eye contact</b>  | Contact with eyes may cause irritation. May cause redness and tearing of the eyes. |
| <b>Skin contact</b> | May cause skin irritation and/or dermatitis.                                       |
| <b>Ingestion</b>    | May be harmful if swallowed.   |

| Chemical Name                  | Oral LD50             | Dermal LD50              | Inhalation LC50                                 |
|--------------------------------|-----------------------|--------------------------|---|
| ETHANOL<br>64-17-5             | = 7060 mg/kg ( Rat )  | -                        | = 124.7 mg/L ( Rat ) 4 h                        |
| 2-PROPANOL<br>67-63-0          | = 1870 mg/kg ( Rat )  | = 4059 mg/kg ( Rabbit )  | = 72600 mg/m <sup>3</sup> ( Rat ) 4 h           |
| TITANIUM DIOXIDE<br>13463-67-7 | > 10000 mg/kg ( Rat ) | -                        | -   |
| METHANOL<br>67-56-1            | = 6200 mg/kg ( Rat )  | = 15800 mg/kg ( Rabbit ) | = 22500 ppm ( Rat ) 8 h = 64000 ppm ( Rat ) 4 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 |
|--------------------------------------|-------|----------|-------|------|
| TALC<br>14807-96-6                   | -     | Group 3  | -     | -    |
| ETHANOL<br>64-17-5                   | A3    | Group 1  | Known | X    |
| 2-PROPANOL<br>67-63-0                | -     | Group 1  | -     | X    |
| TITANIUM DIOXIDE<br>13463-67-7       | -     | Group 2B | -     | X    |
| POLYTETRAFLUOROETHYLENE<br>9002-84-0 | -     | Group 3  | -     | -    |

ACGIH (American Conference of Governmental Industrial Hygienists)

A3 - Animal Carcinogen

IARC (International Agency for Research on Cancer)

Group 1 - Carcinogenic to Humans

Group 2B - Possibly Carcinogenic to Humans

Not classifiable as a human carcinogen

NTP (National Toxicology Program)

Known - Known Carcinogen

OSHA (Occupational Safety and Health Administration of the US Department of Labor)

X - Present

**Chronic toxicity**

May cause adverse effects on the bone marrow and blood-forming system. May cause adverse liver effects. Contains a known or suspected reproductive toxin.

**Target Organ Effects**

Blood, Central nervous system, Central Vascular System (CVS), Eyes, Gastrointestinal tract (GI), Liver, Lungs, Reproductive System, Respiratory system, Skin.

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

ATEmix (oral) 1811 mg/kg

ATEmix (dermal) 6521 mg/kg

ATEmix (inhalation-dust/mist) 11.7 mg/l

## 12. ECOLOGICAL INFORMATION

### Ecotoxicity

35.44605% of the mixture consists of components(s) of unknown hazards to the aquatic environment

| Chemical Name         | Algae/aquatic plants  | Fish   | Crustacea   |
|-----------------------|---|--|---|
| TALC<br>14807-96-6    | -   | 100: 96 h Brachydanio rerio g/L<br>LC50 semi-static  | -   |
| ETHANOL<br>64-17-5    | -   | 12.0 - 16.0: 96 h Oncorhynchus mykiss mL/L LC50 static 100: 96 h Pimephales promelas mg/L LC50 static 13400 - 15100: 96 h Pimephales promelas mg/L LC50 flow-through   | 9268 - 14221: 48 h Daphnia magna mg/L LC50 2: 48 h Daphnia magna mg/L EC50 Static 10800: 24 h Daphnia magna mg/L EC50 |
| 2-PROPANOL<br>67-63-0 | 1000: 96 h Desmodemus subspicatus mg/L EC50 1000: 72 h Desmodemus subspicatus mg/L EC50 | 11130: 96 h Pimephales promelas mg/L LC50 static 9640: 96 h Pimephales promelas mg/L LC50 flow-through 1400000: 96 h Lepomis macrochirus µg/L LC50   | 13299: 48 h Daphnia magna mg/L EC50   |
| METHANOL<br>67-56-1   | -   | 28200: 96 h Pimephales promelas mg/L LC50 flow-through 100: 96 h Pimephales promelas mg/L LC50 static 19500 - 20700: 96 h Oncorhynchus mykiss mg/L LC50 flow-through 13500 - 17600: 96 h Lepomis macrochirus mg/L LC50 flow-through 18 - 20: 96 h Oncorhynchus mykiss mL/L LC50 static | -   |

### Persistence and degradability

No information available.

### Bioaccumulation

No information available.

### Mobility

No information available.

| Chemical Name         | Partition coefficient |
|-----------------------|-----------------------|
| ETHANOL<br>64-17-5    | -0.32                 |
| 2-PROPANOL<br>67-63-0 | 0.05                  |
| METHANOL<br>67-56-1   | -0.77                 |

### Other adverse effects

No information available

## 13. DISPOSAL CONSIDERATIONS

**Waste treatment methods**

**Disposal of wastes** This material, as supplied, is a hazardous waste according to federal regulations (40 CFR 261).

**Contaminated packaging** Do not reuse container.

**US EPA Waste Number** D001

| Chemical Name       | RCRA | RCRA - Basis for Listing          | RCRA - D Series Wastes | RCRA - U Series Wastes |
|---------------------|------|-----------------------------------|------------------------|------------------------|
| METHANOL<br>67-56-1 | -    | Included in waste stream:<br>F039 | -                      | U154                   |

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 |
|-----------------------|-----------------------------------|
| ETHANOL<br>64-17-5    | Toxic<br>Ignitable                |
| 2-PROPANOL<br>67-63-0 | Toxic<br>Ignitable                |
| METHANOL<br>67-56-1   | Toxic<br>Ignitable                |

## 14. TRANSPORT INFORMATION

**DOT**

UN/ID no 1133  
**Proper shipping name:** Adhesives, Limited Quantity (LQ)  
**Hazard Class** 3  
**Packing Group** III  
**Emergency Response Guide Number** 128

**IATA**

UN/ID no ID 8000  
**Proper shipping name:** Consumer commodity  
**Hazard Class** 9  
**ERG Code** 9L

**IMDG**

UN/ID no 1133  
**Proper shipping name:** Adhesives, Limited Quantity (LQ)  
**Hazard Class** 3  
**Packing Group** III  
**EmS-No** F-E, S-D

## 15. REGULATORY INFORMATION

**International Inventories**

TSCA Complies  
 DSL/NDL Complies  
 EINECS/ELINCS Not Listed.  
 ENCS Not Listed.  
 IECSC Complies  
 KECL Complies  
 PICCS Complies  
 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 % |
|----------------------|-------------------------------|
| 2-PROPANOL - 67-63-0 | 1.0                           |
| METHANOL - 67-56-1   | 1.0                           |

### SARA 311/312 Hazard Categories

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

### CWA (Clean Water Act)

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

### 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)                   |
|---------------------|--------------------------|----------------|--|
| METHANOL<br>67-56-1 | 5000 lb                  | -              | RQ 5000 lb final RQ<br>RQ 2270 kg final RQ |

## US State Regulations

### California Proposition 65

This product contains the following Proposition 65 chemicals

| Chemical Name                     | California Proposition 65   |
|-----------------------------------|-----------------------------|
| ETHANOL - 64-17-5                 | Carcinogen<br>Developmental |
| TITANIUM DIOXIDE - 13463-67-7     | Carcinogen                  |
| METHANOL - 67-56-1                | Developmental               |
| METHYL ISOBUTYL KETONE - 108-10-1 | Carcinogen<br>Developmental |

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

| Chemical Name                        | New Jersey | Massachusetts | Pennsylvania |
|--------------------------------------|------------|---------------|--------------|
| TALC<br>14807-96-6                   | X          | X             | X            |
| ETHANOL<br>64-17-5                   | X          | X             | X            |
| 2-PROPANOL<br>67-63-0                | X          | X             | X            |
| TITANIUM DIOXIDE<br>13463-67-7       | X          | X             | X            |
| WATER<br>7732-18-5                   | -          | -             | X            |
| METHANOL<br>67-56-1                  | X          | X             | X            |
| POLYTETRAFLUOROETHYLENE<br>9002-84-0 | -          | -             | X            |

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|                                    |   |   |   |
|------------------------------------|---|---|---|
| METHYL ISOBUTYL KETONE<br>108-10-1 | X | X | X |
|------------------------------------|---|---|---|

**U.S. EPA Label Information**

EPA Pesticide Registration Number Not applicable

|                    |                         |                       |                           |                              |
|--------------------|-------------------------|-----------------------|---------------------------|------------------------------|
| <b><u>NFPA</u></b> | <b>Health hazards</b> 2 | <b>Flammability</b> 3 | <b>Instability</b> 0      | -                            |
| <b><u>HMIS</u></b> | <b>Health hazards</b> 2 | <b>Flammability</b> 3 | <b>Physical hazards</b> 0 | <b>Personal protection</b> B |

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

Revision Date 24-Apr-2015

**Disclaimer**

The information provided in this Material 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**