# SAFETY DATA SHEET

This safety data sheet complies with the requirements of: Regulation (EC) No. 1907/2006 and Regulation (EC) No. 1272/2008

**Revision Date** 22-Oct-2015 **Version** 1

## Section 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

### 1.1. Product identifier

**Product Code** 80632
**Product Name** THREAD SEALANT W/PTFE 4 FL.OZ.

### 1.2. Relevant identified uses of the substance or mixture and uses advised against

**Recommended Use** Sealant

**Uses advised against** No information available

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

**Importer**
ITW Permatex
10 Columbus Blvd.
Hartford, CT 06106 USA
Telephone: 1-87-Permatex
(877) 376-2839

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

### 1.4. Emergency telephone number

**24 Hour Emergency Phone Number - 800-255-3924 (00+ 1+ 813-248-0585) ChemTel**

## Section 2: HAZARDS IDENTIFICATION

### 2.1. Classification of the substance or mixture

*Regulation (EC) No 1272/2008*

| | |
|---|---|
| **Specific target organ toxicity (single exposure)** | Category 1 - (H370) |
| **Flammable liquids** | Category 3 - (H226) |

**Classification according to Directive 67/548/EEC or 1999/45/EC**
*Full text of R-phrases: see section 16*

### 2.2. Label elements

**Signal word**

Danger

**Statements of hazard**
H370 - Causes damage to organs if swallowed
H226 - Flammable liquid and vapor

**Precautionary Statements - EU (§28, 1272/2008)**
P260 - Do not breathe dust/fume/gas/mist/vapors/spray
P264 - Wash face, hands and any exposed skin thoroughly after handling
P270 - Do not eat, drink or smoke when using this product
P210 - Keep away from open flames/hot surfaces. - No smoking
P243 - Take precautionary measures against static discharge

**Other Information**
• Not applicable

## Section 3: COMPOSITION/INFORMATION ON INGREDIENTS

**3.1 substances**

| Chemical Name | EC No | CAS No | Weight-% | Classification according to Directive 67/548/EEC or 1999/45/EC | Classification according to Regulation (EC) No. 1272/2008 [CLP] | REACH Registration Number |
|---|---|---|---|---|---|---|
| ETHANOL | 200-578-6 | 64-17-5 | 20-40 | F; R11 | Flam. Liq. 2 (H225) | No data available |
| 2-PROPANOL | 200-661-7 | 67-63-0 | <5 | F; R11<br>Xi; R36<br>R67 | Eye Irrit. 2 (H319)<br>STOT SE 3 (H336)<br>Flam. Liq. 2 (H225) | No data available |
| METHANOL | 200-659-6 | 67-56-1 | <2 | F; R11<br>T;<br>R23/24/25-39/23/24/25 | Acute Tox. 3 (H301)<br>Acute Tox. 3 (H311)<br>Acute Tox. 3 (H331)<br>STOT SE 1 (H370)<br>Flam. Liq. 2 (H225) | No data available |
| METHYL ISOBUTYL KETONE | 203-550-1 | 108-10-1 | 0.1-1.0 | F; R11<br>Xn; R20<br>Xi; R36/37<br>R66 | Acute Tox. 4 (H332)<br>Eye Irrit. 2 (H319)<br>(EUH066)<br>STOT SE 3 (H335)<br>Flam. Liq. 2 (H225) | No data available |

**Full text of R-phrases: see section 16**

**Full text of H- and EUH-phrases: see section 16**

## Section 4: FIRST AID MEASURES

**4.1. Description of first aid measures**

**General advice** In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).

**Inhalation** IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. If symptoms persist, call a physician.

**Skin contact** IF ON SKIN:. Wash with soap and water. If symptoms persist, call a physician. Wash contaminated clothing before reuse.

**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.

**Ingestion** IF SWALLOWED:. Call a physician or poison control center immediately. Rinse mouth. Do NOT induce vomiting.

**Self-protection of the first aider** Ensure that medical personnel are aware of the material(s) involved and take precautions to protect themselves.

### 4.2. Most important symptoms and effects, both acute and delayed

**Symptoms** See section 2 for more information

### 4.3. Indication of any immediate medical attention and special treatment needed

**Note to physicians** Keep victim warm and quiet.

## Section 5: FIRE FIGHTING MEASURES

### 5.1. Extinguishing media

**Suitable extinguishing media**
Carbon dioxide (CO2). Foam. Dry chemical.

**Unsuitable extinguishing media**
No information available

### 5.2. Special hazards arising from the substance or mixture

Highly flammable. Vapors may form explosive mixtures with air.

### 5.3. Advice for firefighters

Wear self-contained breathing apparatus and protective suit. Use personal protective equipment as required.

## Section 6: ACCIDENTAL RELEASE MEASURES

### 6.1. Personal precautions, protective equipment and emergency procedures

**Personal precautions**
Remove all sources of ignition. Ensure adequate ventilation, especially in confined areas.

Water spray may reduce vapor; but may not prevent ignition in closed spaces.

**For emergency responders**
Use personal protection recommended in Section 8.

### 6.2. Environmental precautions

Do not flush into surface water or sanitary sewer system.

### 6.3. 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** 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.

### 6.4. Reference to other sections

See section 8 for more information. See section 13 for more information.

## Section 7: HANDLING AND STORAGE

### 7.1. 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. Keep away from heat/sparks/open flames/hot surfaces. - No smoking.

**General Hygiene Considerations**
Do not eat, drink or smoke when using this product. Take off all contaminated clothing and wash it before reuse. Wash hands thoroughly after handling.

### 7.2. Conditions for safe storage, including any incompatibilities

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

**Incompatible materials**
Strong oxidizing agents

### 7.3. Specific end use(s)

**Specific use(s)**
Automotive Sealant.

**Risk Management Methods (RMM)**
The information required is contained in this Safety Data Sheet.

## Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1. Control parameters

| Chemical Name | European Union | United Kingdom | France | Spain | Germany |
|---|---|---|---|---|---|
| ETHANOL<br>64-17-5 | - | TWA: 1000 ppm<br>TWA: 1920 mg/m³<br>STEL: 3000 ppm<br>STEL: 5760 mg/m³ | TWA: 1000 ppm<br>TWA: 1900 mg/m³<br>STEL: 5000 ppm<br>STEL: 9500 mg/m³ | STEL: 1000 ppm<br>STEL: 1910 mg/m³ | TWA: 500 ppm<br>TWA: 960 mg/m³ |
| 2-PROPANOL<br>67-63-0 | - | TWA: 400 ppm<br>TWA: 999 mg/m³<br>STEL: 500 ppm<br>STEL: 1250 mg/m³ | STEL: 400 ppm<br>STEL: 980 mg/m³ | TWA: 200 ppm<br>TWA: 500 mg/m³<br>STEL: 400 ppm<br>STEL: 1000 mg/m³ | TWA: 200 ppm<br>TWA: 500 mg/m³ |
| METHANOL<br>67-56-1 | TWA: 200 ppm<br>TWA: 260 mg/m³<br>* | TWA: 200 ppm<br>TWA: 266 mg/m³<br>STEL: 250 ppm<br>STEL: 333 mg/m³<br>Sk* | TWA: 200 ppm<br>TWA: 260 mg/m³<br>STEL: 1000 ppm<br>STEL: 1300 mg/m³<br>* | TWA: 200 ppm<br>TWA: 266 mg/m³<br>vía dérmica* | TWA: 200 ppm<br>TWA: 270 mg/m³<br>H* |
| METHYL ISOBUTYL KETONE<br>108-10-1 | TWA 20 ppm<br>TWA 83 mg/m³<br>STEL 50 ppm<br>STEL 208 mg/m³ | TWA: 50 ppm<br>TWA: 208 mg/m³<br>STEL: 100 ppm<br>STEL: 416 mg/m³<br>Sk* | TWA: 20 ppm<br>TWA: 83 mg/m³<br>STEL: 50 ppm<br>STEL: 208 mg/m³ | TWA: 20 ppm<br>TWA: 83 mg/m³<br>STEL: 50 ppm<br>STEL: 208 mg/m³ | TWA: 20 ppm<br>TWA: 83 mg/m³<br>H* |
| **Chemical Name** | **Italy** | **Portugal** | **Netherlands** | **Finland** | **Denmark** |
| ETHANOL<br>64-17-5 | - | TWA: 1000 ppm | TWA: 260 mg/m³<br>STEL: 1900 mg/m³<br>H* | TWA: 1000 ppm<br>TWA: 1900 mg/m³<br>STEL: 1300 ppm<br>STEL: 2500 mg/m³ | TWA: 1000 ppm<br>TWA: 1900 mg/m³ |
| 2-PROPANOL<br>67-63-0 | - | TWA: 200 ppm<br>STEL: 400 ppm | - | TWA: 200 ppm<br>TWA: 500 mg/m³<br>STEL: 250 ppm<br>STEL: 620 mg/m³ | TWA: 200 ppm<br>TWA: 490 mg/m³ |
| METHANOL<br>67-56-1 | TWA: 200 ppm<br>TWA: 260 mg/m³<br>pelle* | TWA: 200 ppm<br>TWA: 260 mg/m³<br>STEL: 250 ppm<br>P* | TWA: 133 mg/m³<br>TWA: 100 ppm<br>H* | TWA: 200 ppm<br>TWA: 270 mg/m³<br>STEL: 250 ppm<br>STEL: 330 mg/m³ | TWA: 200 ppm<br>TWA: 260 mg/m³<br>H* |

| | | | | | |
|---|---|---|---|---|---|
| | | | | iho* | |
| METHYL ISOBUTYL KETONE 108-10-1 | TWA: 20 ppm TWA: 83 mg/m³ STEL: 50 ppm STEL: 208 mg/m³ | TWA: 20 ppm TWA: 83 mg/m³ STEL: 50 ppm STEL: 208 mg/m³ | TWA: 104 mg/m³ STEL: 208 mg/m³ | TWA: 20 ppm TWA: 80 mg/m³ STEL: 50 ppm STEL: 210 mg/m³ | TWA: 20 ppm TWA: 83 mg/m³ H* |
| **Chemical Name** | **Austria** | **Switzerland** | **Poland** | **Norway** | **Ireland** |
| ETHANOL 64-17-5 | TWA: 1000 ppm TWA: 1900 mg/m³ STEL 2000 ppm STEL 3800 mg/m³ | TWA: 500 ppm TWA: 960 mg/m³ STEL: 1000 ppm STEL: 1920 mg/m³ | TWA: 1900 mg/m³ | TWA: 500 ppm TWA: 950 mg/m³ STEL: 500 ppm STEL: 950 mg/m³ | STEL: 1000 ppm |
| 2-PROPANOL 67-63-0 | TWA: 200 ppm TWA: 500 mg/m³ STEL 800 ppm STEL 2000 mg/m³ | TWA: 200 ppm TWA: 500 mg/m³ STEL: 400 ppm STEL: 1000 mg/m³ | STEL: 1200 mg/m³ TWA: 900 mg/m³ | TWA: 100 ppm TWA: 245 mg/m³ STEL: 100 ppm STEL: 245 mg/m³ | TWA: 200 ppm STEL: 400 ppm Sk* |
| METHANOL 67-56-1 | TWA: 200 ppm TWA: 260 mg/m³ STEL 800 ppm STEL 1040 mg/m³ H* | TWA: 200 ppm TWA: 260 mg/m³ STEL: 800 ppm STEL: 1040 mg/m³ H* | STEL: 300 mg/m³ TWA: 100 mg/m³ | TWA: 100 ppm TWA: 130 mg/m³ STEL: 100 ppm STEL: 130 mg/m³ H* | TWA: 200 ppm TWA: 260 mg/m³ STEL: 600 ppm STEL: 780 mg/m³ Sk* |
| METHYL ISOBUTYL KETONE 108-10-1 | TWA: 20 ppm TWA: 83 mg/m³ STEL 50 ppm STEL 208 mg/m³ H* | TWA: 20 ppm TWA: 82 mg/m³ STEL: 40 ppm STEL: 164 mg/m³ H* | STEL: 200 mg/m³ TWA: 83 mg/m³ | TWA: 20 ppm TWA: 83 mg/m³ STEL: 20 ppm STEL: 83 mg/m³ H* | TWA: 20 ppm TWA: 83 mg/m³ STEL: 50 ppm STEL: 208 mg/m³ Sk* |

| **Chemical Name** | **European Union** | **United Kingdom** | **France** | **Spain** | **Germany** |
|---|---|---|---|---|---|
| 2-PROPANOL 67-63-0 | - | - | - | 40 | 25 mg/L |
| METHANOL 67-56-1 | - | - | - | 15 | 30 mg/L |
| METHYL ISOBUTYL KETONE 108-10-1 | - | 20 | - | 1 | 0.7 mg/L |
| **Chemical Name** | **Austria** | **Switzerland** | **Poland** | **Norway** | **Ireland** |
| 2-PROPANOL 67-63-0 | - | 25 | - | - | - |
| METHANOL 67-56-1 | - | 30 | - | - | - |
| METHYL ISOBUTYL KETONE 108-10-1 | - | 2 | - | - | - |

**Derived No Effect Level (DNEL)** No information available.

**Predicted No Effect Concentration (PNEC)** No information available.

**8.2. Exposure controls**

**Engineering Controls** Use exhaust ventilation to keep airborne concentrations below exposure limits.

**Personal protective equipment**

**Eye/face protection** Wear safety glasses with side shields (or goggles).

**Skin and body protection** Suitable protective clothing. Gloves made of plastic or rubber.

**Respiratory protection** In case of insufficient ventilation, wear suitable respiratory equipment. Use NIOSH-approved air-purifying respirator with organic vapor cartridge or canister, as appropriate.

**Environmental exposure controls** Local authorities should be advised if significant spillages cannot be contained.

## Section 9: PHYSICAL AND CHEMICAL PROPERTIES

**9.1. Information on basic physical and chemical properties**

**Physical state** Paste

**Appearance** White

**Odor** Alcoholic

| | |
|---|---|
| **Odor threshold** | No information available |

| Property | Values | Remarks • Method |
|---|---|---|
| **pH** | No information available | |
| **Melting point / freezing point** | No information available | |
| **Boiling point / boiling range** | 82 °C / 180 °F | |
| **Flash point** | 25 °C / 77 °F | Tag Closed Cup |
| **Evaporation rate** | < 1 | 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(ies)** | 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 | |

**9.2. Other information**

| | |
|---|---|
| **Softening point** | No information available |
| **Molecular weight** | No information available |
| **VOC Content (%)** | 29.5% |
| **Density** | No information available |
| **Bulk density** | No information available |

## Section 10: STABILITY AND REACTIVITY

**10.1. Reactivity**

Not applicable

**10.2. Chemical stability**

Stable under normal conditions.

Explosion data

| | |
|---|---|
| Sensitivity to Mechanical Impact | None. |
| Sensitivity to Static Discharge | None. |

**10.3. Possibility of hazardous reactions**

None under normal processing.

**10.4. Conditions to avoid**

Heat, flames and sparks.

**10.5. Incompatible materials**

Strong oxidizing agents

**10.6. Hazardous decomposition products**

Carbon oxides
Fluorides

## Section 11: TOXICOLOGICAL INFORMATION

**11.1. Information on toxicological effects**

**Product Information**

| | |
|---|---|
| **Inhalation** | May cause irritation of respiratory tract. |
| **Eye contact** | Irritating to eyes. May cause redness and tearing of the eyes. |
| **Skin contact** | May cause skin irritation and/or dermatitis. Prolonged contact may cause redness and irritation. |
| **Ingestion** | Harmful if swallowed. |

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

| | |
|---|---|
| **ATEmix (oral)** | 3,700.00 mg/kg |
| **ATEmix (dermal)** | 8,390.00 mg/kg |
| **ATEmix (inhalation-dust/mist)** | 15.25 mg/l |

**Unknown acute toxicity**

60.68895 % of the mixture consists of ingredient(s) of unknown toxicity.
31.47105 % of the mixture consists of ingredient(s) of unknown acute oral toxicity.
56.24895 % of the mixture consists of ingredient(s) of unknown acute dermal toxicity.
60.68895 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (gas).
60.68895 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (vapor).
59.35395 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (dust/mist).

| | |
|---|---|
| **Skin corrosion/irritation** | No information available. |
| **Serious eye damage/eye irritation** | No information available. |
| **Sensitization** | No information available. |
| **Germ cell mutagenicity** | No information available. |
| **Carcinogenicity** | No information available. |
| **Reproductive toxicity** | No information available. |
| **STOT - single exposure** | No information available. |
| **STOT - repeated exposure** | No information available. |
| **Target Organ Effects** | Central nervous system, Blood, Central Vascular System (CVS), Eyes, Gastrointestinal tract (GI), Liver, Reproductive System, Respiratory system, Skin. |
| **Aspiration hazard:** | No information available. |

## Section 12: ECOLOGICAL INFORMATION

**12.1. Toxicity**

**Ecotoxicity** Toxic to aquatic life with long lasting effects.

| Chemical Name | Algae/aquatic plants | Fish | Crustacea |
|---|---|---|---|
| ETHANOL | - | 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 | 9268 - 14221: 48 h Daphnia magna mg/L LC50 10800: 24 h Daphnia magna mg/L EC50 2: 48 h Daphnia magna mg/L EC50 Static |

| | | | |
|---|---|---|---|
| | | Pimephales promelas mg/L LC50 flow-through | |
| 2-PROPANOL | 1000: 96 h Desmodesmus subspicatus mg/L EC50 1000: 72 h Desmodesmus 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 | - | 13500 - 17600: 96 h Lepomis macrochirus mg/L LC50 flow-through 19500 - 20700: 96 h Oncorhynchus mykiss mg/L LC50 flow-through 28200: 96 h Pimephales promelas mg/L LC50 flow-through 18 - 20: 96 h Oncorhynchus mykiss mL/L LC50 static 100: 96 h Pimephales promelas mg/L LC50 static | - |
| METHYL ISOBUTYL KETONE | 400: 96 h Pseudokirchneriella subcapitata mg/L EC50 | 496 - 514: 96 h Pimephales promelas mg/L LC50 flow-through | 170: 48 h Daphnia magna mg/L EC50 |

### 12.2. Persistence and degradability

No information available.

### 12.3. Bioaccumulative potential

No information available.

| Chemical Name | Partition coefficient |
|---|---|
| ETHANOL | -0.32 |
| 2-PROPANOL | 0.05 |
| METHANOL | -0.77 |
| METHYL ISOBUTYL KETONE | 1.19 |

### 12.4. Mobility in soil

**Mobility in soil**
No information available.

### 12.5. Results of PBT and vPvB assessment

No information available.

### 12.6. Other adverse effects

No information available

## Section 13: DISPOSAL CONSIDERATIONS

### 13.1. Waste treatment methods

**Waste from residues/unused products** Disposal should be in accordance with applicable regional, national and local laws and regulations.

**Contaminated packaging** Do not reuse container.

**Waste codes / waste designations according to EWC / AVV** No data available

**Other Information** Waste codes should be assigned by the user based on the application for which the product was used.

## Section 14: TRANSPORT INFORMATION

**IMDG**

| | |
|---|---|
| **14.1 UN/ID no** | 1133 |
| **14.2 Proper shipping name:** | Adhesives, Limited Quantity (LQ) |
| **14.3 Hazard Class** | 3 |
| **14.4 Packing Group** | III |
| **14.5 Environmental hazard** | Not applicable |
| **14.6 Special Provisions** | No information available |
| **14.7 EmS-No** | F-E, S-D |

**RID**

| | |
|---|---|
| **14.1 UN/ID no** | 1133 |
| **14.2 Proper shipping name:** | Adhesives, Limited Quantity (LQ) |
| **14.3 Hazard Class** | 3 |
| **14.4 Packing Group** | III |
| **14.5 Environmental hazard** | Not applicable |
| **14.6 Special Provisions** | No information available |
| **14.7 Classification code** | F1 |

**ADR**

| | |
|---|---|
| **14.1 UN/ID no** | 1133 |
| **14.2 Proper shipping name:** | Adhesives, Limited Quantity (LQ) |
| **14.3 Hazard Class** | 3 |
| **14.4 Packing Group** | III |
| **14.5 Environmental hazard** | Not applicable |
| **14.6 Special Provisions** | No information available |
| **14.7 Classification code** | F1 |

**IATA**

| | |
|---|---|
| **14.1 UN/ID no** | ID 8000 |
| **14.2 Proper shipping name:** | Consumer commodity |
| **14.3 Hazard Class** | 9 |
| **14.4 Packing Group** | None |
| **14.5 Environmental hazard** | Not applicable |
| **14.6 Special Provisions** | No information available |
| **14.7 ERG Code** | 9L |

## Section 15: REGULATORY INFORMATION

**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**

| Chemical Name | French RG number | Title |
|---|---|---|
| ETHANOL<br>64-17-5 | RG 84 | - |
| 2-PROPANOL<br>67-63-0 | RG 84 | - |
| METHANOL<br>67-56-1 | RG 84 | - |
| METHYL ISOBUTYL KETONE<br>108-10-1 | RG 84 | - |

**European Union**

Take note of Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work

**Authorizations and/or restrictions on use:**

This product does not contain substances subject to authorization (Regulation (EC) No. 1907/2006 (REACH), Annex XIV) This product does not contain substances subject to restriction (Regulation (EC) No. 1907/2006 (REACH), Annex XVII)

**Persistent Organic Pollutants**
Not applicable

| Chemical Name | Lower-tier requirements (tons) | Upper-tier requirements (tons) |
|---|---|---|
| METHANOL - 67-56-1 | 500 | 5000 |

**Ozone-depleting substances (ODS) regulation (EC) 1005/2009**
Not applicable

**International Inventories**

| | |
|---|---|
| **TSCA** | Complies |
| **DSL/NDSL** | 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/NDSL** - 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

**15.2. Chemical safety assessment**

No information available

## Section 16: OTHER INFORMATION

**Key or legend to abbreviations and acronyms used in the safety data sheet**

**Full text of R-phrases referred to under sections 2 and 3**
No information available

**Full text of H-Statements referred to under section 3**
H225 - Highly flammable liquid and vapor
H301 - Toxic if swallowed
H311 - Toxic in contact with skin
H331 - Toxic if inhaled
H370 - Causes damage to organs if inhaled
H319 - Causes serious eye irritation
H336 - May cause drowsiness or dizziness

**Legend**
SVHC: Substances of Very High Concern for Authorization:

**Legend Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

| | | | |
|---|---|---|---|
| TWA | TWA (time-weighted average) | STEL | STEL (Short Term Exposure Limit) |
| Ceiling | Maximum limit value | * | Skin designation |

**Revision Date** 22-Oct-2015

**Revision Note** Not applicable.

**This material safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006**

**End of Safety Data Sheet**