

## SAFETY DATA SHEETS

**This SDS packet was issued with item:**

071427954

**The safety data sheets (SDS) in this packet apply to one or more components included in the items listed below. Items listed below may require one or more SDS. Please refer to invoice for specific item number(s).**

071426352 273021800



# SAFETY DATA SHEET

## 1. Identification

**Product identifier** Cyramza™

**Other means of identification**

**Item Code** VL7721, VL7678, VL7669

**LY Number** LY3009806

**Recommended use** Pharmaceutical

**Recommended restrictions** None known.

**Manufacturer/Importer/Supplier/Distributor information**

**Manufacturer**

**Company name** Eli Lilly and Company

**Address** Lilly Corporate Center  
Indianapolis, IN 46285  
United States

**Telephone** Phone: +1-317-276-2000

**E-mail** lilly\_msds@lilly.com

**Emergency phone number** CHEMTREC: +1-800-424-9300

## 2. Hazard(s) identification

**Physical hazards** Not classified.

**Health hazards** Not classified.

**OSHA defined hazards** Not classified.

**Label elements**

**Hazard symbol** None.

**Signal word** None.

**Hazard statement** The mixture does not meet the criteria for classification.

**Precautionary statement**

**Prevention** Not available.

**Response** Not available.

**Storage** Not available.

**Disposal** Not available.

**Hazard(s) not otherwise classified (HNOC)** None known.

**Supplemental information** None.

## 3. Composition/information on ingredients

### Mixtures

| Chemical name | Common name and synonyms | CAS number | % |
|---------------|--------------------------|------------|---|
| Ramucirumab   |                          | NA         | 1 |

**Composition comments** Remaining components of this product are non-hazardous and/or are present at concentrations below reportable levels.

## 4. First-aid measures

**Inhalation** Call a physician if symptoms develop or persist.

**Skin contact** Rinse skin with water/shower. Get medical attention if irritation develops and persists.

**Eye contact** Rinse with water. Get medical attention if irritation develops and persists.

**Ingestion** Get medical attention if symptoms occur.

**Most important symptoms/effects, acute and delayed** Not available.

**General information** If you feel unwell, seek medical advice (show the label where possible).

## 5. Fire-fighting measures

**Suitable extinguishing media** Use fire-extinguishing media appropriate for surrounding materials.

**Unsuitable extinguishing media** Not available.

**Specific hazards arising from the chemical** This product is an aqueous mixture which will not burn.

**Special protective equipment and precautions for firefighters** Wear suitable protective equipment.

## 6. Accidental release measures

**Personal precautions, protective equipment and emergency procedures** Not available.

**Methods and materials for containment and cleaning up** Prevent runoff from entering drains, sewers, or streams. Use absorbent/adsorbent material to solidify liquids. Clean up promptly by sweeping or vacuum. See Section 8 of the SDS for Personal Protective Equipment.

**Environmental precautions** No specific precautions.

## 7. Handling and storage

**Precautions for safe handling** Avoid contact with eyes, skin, and clothing. Wash hands thoroughly after handling. See Section 8 of the SDS for Personal Protective Equipment.

**Conditions for safe storage, including any incompatibilities** Keep refrigerated Store at: 2 - 8 °C. Do not allow material to freeze. Do not shake material. Protect from light.

## 8. Exposure controls/personal protection

### Occupational exposure limits

#### Lilly (LEG) Components

#### Type

#### Value

Ramucirumab

TWA (12hrs)

110 ug/m3

TWA (8hrs)

165 ug/m3

**Biological limit values** No biological exposure limits noted for the ingredient(s).

**Exposure guidelines** Occupational Exposure Limit (OEL): Not established

**Appropriate engineering controls** Contained handling practices preferred. If open handling is necessary, use control measures (i.e. ventilated enclosure, local exhaust ventilation) to maintain airborne levels below the occupational exposure level (OEL).

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

**Eye/face protection** Safety glasses with side shields recommended. If splash potential or dusty operations, wear goggles/faceshield.

#### Skin protection

**Hand protection** Chemical resistant gloves.

#### Other

While monoclonal antibodies are not anticipated to be readily absorbed through the skin, wear impervious gloves and body covering (i.e. lab coat) to minimize skin contact.

**Respiratory protection** Not required under normal conditions for liquid handling activities. If handling powder forms, consider appropriate respiratory protection to maintain exposure levels below occupational exposure level (OEL).

**Thermal hazards** Not available.

**General hygiene considerations** Engineering controls should be used as the primary means to control workplace exposures. Follow good workplace hygiene practices such as washing hands after handling this material.

This substance is a monoclonal antibody. Based on the biophysical properties and absorption characteristics of monoclonal antibodies, oral and dermal routes of exposure are not considered occupationally relevant and potential bioavailability through inhalation is minimal.

## 9. Physical and chemical properties

**Appearance** Clear to opalescent.

**Physical state** Liquid.

**Form** Aqueous solution.

|                                                     |                            |
|-----------------------------------------------------|----------------------------|
| <b>Color</b>                                        | Colorless to light yellow. |
| <b>Odor</b>                                         | Not available.             |
| <b>Odor threshold</b>                               | Not available.             |
| <b>pH</b>                                           | Not available.             |
| <b>Melting point/freezing point</b>                 | Not available.             |
| <b>Initial boiling point and boiling range</b>      | Not available.             |
| <b>Flash point</b>                                  | Not available.             |
| <b>Evaporation rate</b>                             | Not available.             |
| <b>Flammability (solid, gas)</b>                    | Not applicable.            |
| <b>Upper/lower flammability or explosive limits</b> |                            |
| <b>Flammability limit - lower (%)</b>               | Not available.             |
| <b>Flammability limit - upper (%)</b>               | Not available.             |
| <b>Explosive limit - lower (%)</b>                  | Not available.             |
| <b>Explosive limit - upper (%)</b>                  | Not available.             |
| <b>Vapor pressure</b>                               | Not available.             |
| <b>Vapor density</b>                                | Not available.             |
| <b>Relative density</b>                             | Not available.             |
| <b>Solubility(ies)</b>                              |                            |
| <b>Solubility (water)</b>                           | Not available.             |
| <b>Partition coefficient (n-octanol/water)</b>      | Not available.             |
| <b>Auto-ignition temperature</b>                    | Not available.             |
| <b>Decomposition temperature</b>                    | Not available.             |
| <b>Viscosity</b>                                    | Not available.             |
| <b>Other information</b>                            |                            |
| <b>Explosive properties</b>                         | Not explosive.             |
| <b>Oxidizing properties</b>                         | No oxidizing properties.   |
| <b>pH in aqueous solution</b>                       | Neutral                    |

## 10. Stability and reactivity

|                                           |                                                |
|-------------------------------------------|------------------------------------------------|
| <b>Reactivity</b>                         | Not water reactive.                            |
| <b>Chemical stability</b>                 | Material is stable under normal conditions.    |
| <b>Possibility of hazardous reactions</b> | Hazardous polymerization does not occur.       |
| <b>Conditions to avoid</b>                | None under normal conditions.                  |
| <b>Incompatible materials</b>             | Strong oxidizing agents.                       |
| <b>Hazardous decomposition products</b>   | No hazardous decomposition products are known. |

## 11. Toxicological information

### Information on toxicological effects

|                                          |                                                         |
|------------------------------------------|---------------------------------------------------------|
| <b>Acute toxicity</b>                    | Not applicable.                                         |
| <b>Skin corrosion/irritation</b>         | Due to lack of data the classification is not possible. |
| <b>Serious eye damage/eye irritation</b> | Due to lack of data the classification is not possible. |
| <b>Respiratory or skin sensitization</b> |                                                         |
| <b>Respiratory sensitization</b>         | Due to lack of data the classification is not possible. |
| <b>Skin sensitization</b>                | Due to lack of data the classification is not possible. |

|                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|-----------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Germ cell mutagenicity</b>                                         | This substance is a monoclonal antibody. It does not possess mutagenic potential. Mutagenicity testing has not been conducted.<br>Based on available data, the classification criteria are not met.                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Carcinogenicity</b>                                                | No test data available. Not listed by IARC, NTP, ACGIH or OSHA.<br>Due to lack of data the classification is not possible.                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>IARC Monographs. Overall Evaluation of Carcinogenicity</b>         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Not listed.                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>OSHA Specifically Regulated Substances (29 CFR 1910.1001-1053)</b> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Not listed.                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>US. National Toxicology Program (NTP) Report on Carcinogens</b>    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Not listed.                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Reproductive toxicity</b>                                          | No test data available.<br>VEGF is a critical mediator of angiogenesis that occurs across several stages of the female reproductive cycle, pregnancy, and embryo-fetal development. Interference of VEGF signaling through the use of transgenic models (for example, knockout mice), nonproprietary antibodies against VEGF or its receptors against VEGFR-2 have been shown to block angiogenesis and functioning or development of tissues critical for mammalian reproduction and development.<br>Based on available data, the classification criteria are not met. |
| <b>Specific target organ toxicity - single exposure</b>               | Due to lack of data the classification is not possible.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Specific target organ toxicity - repeated exposure</b>             | Animal studies have reported the following effects: Kidney effects. (glomerulonephritis) Ovarian changes. (follicular mineralization) (drug substance) (intravenous)<br>Based on available data, the classification criteria are not met.                                                                                                                                                                                                                                                                                                                               |
| <b>Aspiration hazard</b>                                              | Not applicable.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Further information</b>                                            | Effects reported with therapeutic administration: Increased risk of hemorrhage, serious arterial thromboembolic events (ATEs) including myocardial infarction, cardiac arrest, cerebrovascular accident, cerebral ischemia, increased incidence of severe hypertension.<br><br>This substance is a monoclonal antibody. Based on the biophysical properties and absorption characteristics of monoclonal antibodies, oral and dermal routes of exposure are not considered occupationally relevant and potential bioavailability through inhalation is minimal.         |

## 12. Ecological information

|                                      |                                                  |
|--------------------------------------|--------------------------------------------------|
| <b>Ecotoxicity</b>                   | Not expected to be harmful to aquatic organisms. |
| <b>Persistence and degradability</b> | Not available.                                   |
| <b>Bioaccumulative potential</b>     | Not available.                                   |
| <b>Mobility in soil</b>              | Not available.                                   |
| <b>Other adverse effects</b>         | Not available.                                   |

## 13. Disposal considerations

|                              |                                                        |
|------------------------------|--------------------------------------------------------|
| <b>Disposal instructions</b> | Dispose in accordance with all applicable regulations. |
|------------------------------|--------------------------------------------------------|

## 14. Transport information

### DOT

Not regulated as dangerous goods.

### IATA

Not regulated as dangerous goods.

### IMDG

Not regulated as dangerous goods.

**Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code** Not available.

## 15. Regulatory information

|                               |                                                                                                                                |
|-------------------------------|--------------------------------------------------------------------------------------------------------------------------------|
| <b>US federal regulations</b> | This product is not known to be a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200. |
|-------------------------------|--------------------------------------------------------------------------------------------------------------------------------|

### Toxic Substances Control Act (TSCA)

#### TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)

Not regulated.

**CERCLA Hazardous Substance List (40 CFR 302.4)**

Not listed.

**SARA 304 Emergency release notification**

Not regulated.

**OSHA Specifically Regulated Substances (29 CFR 1910.1001-1053)**

Not listed.

**Superfund Amendments and Reauthorization Act of 1986 (SARA)****SARA 313 (TRI reporting)**

Not regulated.

**Other federal regulations****Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List**

Not regulated.

**Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)**

Not regulated.

**Safe Drinking Water Act (SDWA)** Not regulated.**International Inventories**

| Country(s) or region        | Inventory name                                | On inventory (yes/no)* |
|-----------------------------|-----------------------------------------------|------------------------|
| Canada                      | Domestic Substances List (DSL)                | No                     |
| Canada                      | Non-Domestic Substances List (NDSL)           | No                     |
| United States & Puerto Rico | Toxic Substances Control Act (TSCA) Inventory | No                     |

\*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)

A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

**16. Other information, including date of preparation or last revision****Issue date** 11-20-2014**Revision date** 09-19-2019**Version #** 07**List of abbreviations** LEG: Lilly Exposure Guideline.  
TWA: Time Weighted Average

**Disclaimer** As of the date of issuance, we are providing available information relevant to the handling of this material in the workplace. All information contained herein is offered with the good faith belief that it is accurate. THIS SAFETY DATA SHEET SHALL NOT BE DEEMED TO CREATE ANY WARRANTY OF ANY KIND (INCLUDING WARRANTY OF MERCHANT ABILITY OR FITNESS FOR A PARTICULAR PURPOSE). In the event of an adverse incident associated with this material, this safety data sheet is not intended to be a substitute for consultation with appropriately trained personnel. Nor is this safety data sheet intended to be a substitute for product literature which may accompany the finished product.

For additional information contact:  
Eli Lilly and Company  
Hazard Communication  
+1-317-651-9533

**Revision information** Handling and storage: Conditions for safe storage, including any incompatibilities

## Section 1. Identification

**GHS product identifier** : Trim & Trim II Liquid

**Other means of identification** : Not available.

**Product code** : 0921090, 0921091, 0921900, 0921903, 0921905, 0921906, 0921909, 0921914, 0921915

**Product type** : Liquid.

**Product use** : Dental Products

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

Not applicable.

**Supplier's details** : Keystone Industries  
52 West King Street  
Myerstown, PA 17067  
(856) 663-4700

**Emergency telephone number (with hours of operation)** : (800) 535-5053

## Section 2. Hazards identification

**OSHA/HCS status** : This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

**Classification of the substance or mixture** : FLAMMABLE LIQUIDS - Category 3  
ACUTE TOXICITY (oral) - Category 4  
ACUTE TOXICITY (dermal) - Category 3  
ACUTE TOXICITY (inhalation) - Category 3  
SKIN IRRITATION - Category 2  
EYE IRRITATION - Category 2A  
SKIN SENSITIZATION - Category 1  
CARCINOGENICITY - Category 2  
TOXIC TO REPRODUCTION (Unborn child) - Category 1B  
TOXIC TO REPRODUCTION (Fertility) - Category 2  
SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Respiratory tract irritation) - Category 3  
SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) - Category 2  
Percentage of the mixture consisting of ingredient(s) of unknown toxicity: 87.1%

### GHS label elements

#### Hazard pictograms



#### Signal word

: Danger

#### Hazard statements

: Flammable liquid and vapor.  
Toxic in contact with skin or if inhaled.  
Harmful if swallowed.  
Causes serious eye irritation.  
Causes skin irritation.  
May cause an allergic skin reaction.  
May damage the unborn child.

## Section 2. Hazards identification

Suspected of damaging fertility.  
 Suspected of causing cancer.  
 May cause respiratory irritation.  
 May cause damage to organs through prolonged or repeated exposure.

### Precautionary statements

#### **Prevention**

: Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wear protective gloves. Wear eye or face protection. Wear protective clothing. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Use explosion-proof electrical, ventilating, lighting and all material-handling equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Keep container tightly closed. Use only outdoors or in a well-ventilated area. Do not breathe vapor. Do not eat, drink or smoke when using this product. Wash hands thoroughly after handling. Contaminated work clothing must not be allowed out of the workplace.

#### **Response**

: Get medical attention if you feel unwell. IF exposed or concerned: Get medical attention. IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER or physician. IF SWALLOWED: Call a POISON CENTER or physician if you feel unwell. Rinse mouth. IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower. IF ON SKIN: Take off immediately all contaminated clothing and wash it before reuse. Wash with plenty of soap and water. Call a POISON CENTER or physician if you feel unwell. Wash contaminated clothing before reuse. If skin irritation or rash occurs: Get medical attention. 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 attention.

#### **Storage**

: Store locked up. Store in a well-ventilated place. Keep cool.

#### **Disposal**

: Dispose of contents and container in accordance with all local, regional, national and international regulations.

#### **Hazards not otherwise classified**

: None known.

## Section 3. Composition/information on ingredients

#### **Substance/mixture**

: Mixture

#### **Other means of identification**

: Not available.

### CAS number/other identifiers

#### **CAS number**

: Not applicable.

May contain one or more of the following components in quantities considered hazardous:

| Ingredient name          | CAS number | EC number | %         |
|--------------------------|------------|-----------|-----------|
| isobutyl methacrylate    | 97-86-9    | 202-613-0 | ≥75 - ≤90 |
| dibutyl phthalate        | 84-74-2    | 201-557-4 | ≤10       |
| N,N-dimethyl-p-toluidine | 99-97-8    | 202-805-4 | ≤4        |

Any concentration shown as a range is to protect confidentiality or is due to batch variation.

**There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.**

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

## Section 4. First aid measures

### Description of necessary first aid measures

- Eye contact** : Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention.
- Inhalation** : Remove victim to fresh air and keep at rest in a position comfortable for breathing. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention. If necessary, call a poison center or physician. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband. In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.
- Skin contact** : Wash with plenty of soap and water. Remove contaminated clothing and shoes. Wash contaminated clothing thoroughly with water before removing it, or wear gloves. Continue to rinse for at least 10 minutes. Get medical attention. If necessary, call a poison center or physician. In the event of any complaints or symptoms, avoid further exposure. Wash clothing before reuse. Clean shoes thoroughly before reuse.
- Ingestion** : Wash out mouth with water. Remove dentures if any. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention. If necessary, call a poison center or physician. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

### Most important symptoms/effects, acute and delayed

#### Potential acute health effects

- Eye contact** : Causes serious eye irritation.
- Inhalation** : Toxic if inhaled. May cause respiratory irritation.
- Skin contact** : Toxic in contact with skin. Causes skin irritation. May cause an allergic skin reaction.
- Ingestion** : Harmful if swallowed.

#### Over-exposure signs/symptoms

- Eye contact** : Adverse symptoms may include the following:  
pain or irritation  
watering  
redness
- Inhalation** : Adverse symptoms may include the following:  
Suspected of damaging fertility.  
May damage the unborn child.  
respiratory tract irritation  
coughing
- Skin contact** : Adverse symptoms may include the following:  
Suspected of damaging fertility.  
May damage the unborn child.  
redness  
irritation
- Ingestion** : Adverse symptoms may include the following:  
Suspected of damaging fertility.  
May damage the unborn child.

## Section 4. First aid measures

### Indication of immediate medical attention and special treatment needed, if necessary

- Notes to physician** : In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.
- Specific treatments** : No specific treatment.
- Protection of first-aiders** : No action shall be taken involving any personal risk or without suitable training. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Wash contaminated clothing thoroughly with water before removing it, or wear gloves.

See toxicological information (Section 11)

## Section 5. Fire-fighting measures

### Extinguishing media

- Suitable extinguishing media** : Use dry chemical, CO<sub>2</sub>, water spray (fog) or foam.
- Unsuitable extinguishing media** : Do not use water jet.

- Specific hazards arising from the chemical** : Flammable liquid and vapor. In a fire or if heated, a pressure increase will occur and the container may burst, with the risk of a subsequent explosion. The vapor/gas is heavier than air and will spread along the ground. Vapors may accumulate in low or confined areas or travel a considerable distance to a source of ignition and flash back. Runoff to sewer may create fire or explosion hazard.

- Hazardous thermal decomposition products** : Decomposition products may include the following materials:  
carbon dioxide  
carbon monoxide  
nitrogen oxides

- Special protective actions for fire-fighters** : Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. Move containers from fire area if this can be done without risk. Use water spray to keep fire-exposed containers cool.

- Special protective equipment for fire-fighters** : Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

## Section 6. Accidental release measures

### Personal precautions, protective equipment and emergency procedures

- For non-emergency personnel** : No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Shut off all ignition sources. No flares, smoking or flames in hazard area. Do not breathe vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.
- For emergency responders** : If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".

- Environmental precautions** : Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

### Methods and materials for containment and cleaning up

## Section 6. Accidental release measures

- Small spill** : Stop leak if without risk. Move containers from spill area. Use spark-proof tools and explosion-proof equipment. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.
- Large spill** : Stop leak if without risk. Move containers from spill area. Use spark-proof tools and explosion-proof equipment. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see Section 13). Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilled product. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.

## Section 7. Handling and storage

### Precautions for safe handling

- Protective measures** : Put on appropriate personal protective equipment (see Section 8). Persons with a history of skin sensitization problems should not be employed in any process in which this product is used. Avoid exposure - obtain special instructions before use. Avoid exposure during pregnancy. Do not handle until all safety precautions have been read and understood. Do not get in eyes or on skin or clothing. Do not breathe vapor or mist. Do not ingest. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Do not enter storage areas and confined spaces unless adequately ventilated. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Store and use away from heat, sparks, open flame or any other ignition source. Use explosion-proof electrical (ventilating, lighting and material handling) equipment. Use only non-sparking tools. Take precautionary measures against electrostatic discharges. Empty containers retain product residue and can be hazardous. Do not reuse container.
- Advice on general occupational hygiene** : Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

- Conditions for safe storage, including any incompatibilities** : Store in accordance with local regulations. Store in a segregated and approved area. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Store locked up. Eliminate all ignition sources. Separate from oxidizing materials. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

## Section 8. Exposure controls/personal protection

### Control parameters

#### Occupational exposure limits

| Ingredient name   | Exposure limits                                                                                                                                                                                                                                                                                                                           |
|-------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| dibutyl phthalate | <b>OSHA PEL 1989 (United States, 3/1989).</b><br>TWA: 5 mg/m <sup>3</sup> 8 hours.<br><b>ACGIH TLV (United States, 3/2016).</b><br>TWA: 5 mg/m <sup>3</sup> 8 hours.<br><b>NIOSH REL (United States, 10/2013).</b><br>TWA: 5 mg/m <sup>3</sup> 10 hours.<br><b>OSHA PEL (United States, 2/2013).</b><br>TWA: 5 mg/m <sup>3</sup> 8 hours. |

## Section 8. Exposure controls/personal protection

N,N-dimethyl-p-toluidine

AIHA WEEL (United States, 10/2011).  
TWA: 0.5 ppm 8 hours.

### Appropriate engineering controls

: Use only with adequate ventilation. Use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits. The engineering controls also need to keep gas, vapor or dust concentrations below any lower explosive limits. Use explosion-proof ventilation equipment.

### Environmental exposure controls

: Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

### Individual protection measures

#### Hygiene measures

: Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

#### Eye/face protection

: Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: chemical splash goggles.

#### Skin protection

##### Hand protection

: Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated.

##### Body protection

: Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product. When there is a risk of ignition from static electricity, wear anti-static protective clothing. For the greatest protection from static discharges, clothing should include anti-static overalls, boots and gloves.

##### Other skin protection

: Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

##### Respiratory protection

: Based on the hazard and potential for exposure, select a respirator that meets the appropriate standard or certification. Respirators must be used according to a respiratory protection program to ensure proper fitting, training, and other important aspects of use.

## Section 9. Physical and chemical properties

### Appearance

#### Physical state

: Liquid. [Clear.]

#### Color

: Colorless.

#### Odor

: Acrid.

#### pH

: Not available.

#### Melting point

: Not available.

#### Boiling point

: 155°C (311°F)

#### Flash point

: Closed cup: 45°C (113°F)

## Section 9. Physical and chemical properties

|                                                     |                              |
|-----------------------------------------------------|------------------------------|
| <b>Evaporation rate</b>                             | : 0.5 (butyl acetate = 1)    |
| <b>Lower and upper explosive (flammable) limits</b> | : Lower: 1.8%<br>Upper: 8.2% |
| <b>Vapor pressure</b>                               | : Not available.             |
| <b>Vapor density</b>                                | : 4.91 [Air = 1]             |
| <b>Relative density</b>                             | : 0.9                        |
| <b>Solubility</b>                                   | : Not available.             |
| <b>Solubility in water</b>                          | : Not available.             |
| <b>Partition coefficient: n-octanol/water</b>       | : Not available.             |
| <b>Auto-ignition temperature</b>                    | : Not available.             |
| <b>Viscosity</b>                                    | : Not available.             |

## Section 10. Stability and reactivity

|                                           |                                                                                                                                                                                                                                      |
|-------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Reactivity</b>                         | : No specific test data related to reactivity available for this product or its ingredients.                                                                                                                                         |
| <b>Chemical stability</b>                 | : The product is stable.                                                                                                                                                                                                             |
| <b>Possibility of hazardous reactions</b> | : Under normal conditions of storage and use, hazardous reactions will not occur.                                                                                                                                                    |
| <b>Conditions to avoid</b>                | : Avoid all possible sources of ignition (spark or flame). Do not pressurize, cut, weld, braze, solder, drill, grind or expose containers to heat or sources of ignition. Do not allow vapor to accumulate in low or confined areas. |
| <b>Incompatible materials</b>             | : Reactive or incompatible with the following materials:<br>oxidizing materials                                                                                                                                                      |
| <b>Hazardous decomposition products</b>   | : Under normal conditions of storage and use, hazardous decomposition products should not be produced.                                                                                                                               |

## Section 11. Toxicological information

### Information on toxicological effects

#### Acute toxicity

| Product/ingredient name  | Result                | Species | Dose                   | Exposure |
|--------------------------|-----------------------|---------|------------------------|----------|
| dibutyl phthalate        | LD50 Oral             | Rat     | 7499 mg/kg             | -        |
| N,N-dimethyl-p-toluidine | LC50 Inhalation Vapor | Rat     | 1400 mg/m <sup>3</sup> | 4 hours  |
|                          | LD50 Oral             | Rat     | 980 mg/kg              | -        |

#### Classification

| Product/ingredient name  | OSHA | IARC | NTP |
|--------------------------|------|------|-----|
| N,N-dimethyl-p-toluidine | -    | 2B   | -   |

#### Specific target organ toxicity (single exposure)

| Name                  | Category   | Route of exposure | Target organs                |
|-----------------------|------------|-------------------|------------------------------|
| isobutyl methacrylate | Category 3 | Not applicable.   | Respiratory tract irritation |

#### Specific target organ toxicity (repeated exposure)

## Section 11. Toxicological information

| Name                     | Category   | Route of exposure | Target organs  |
|--------------------------|------------|-------------------|----------------|
| N,N-dimethyl-p-toluidine | Category 2 | Not determined    | Not determined |

**Information on the likely routes of exposure** : Not available.

### Potential acute health effects

- Eye contact** : Causes serious eye irritation.
- Inhalation** : Toxic if inhaled. May cause respiratory irritation.
- Skin contact** : Toxic in contact with skin. Causes skin irritation. May cause an allergic skin reaction.
- Ingestion** : Harmful if swallowed.

### Symptoms related to the physical, chemical and toxicological characteristics

- Eye contact** : Adverse symptoms may include the following:  
pain or irritation  
watering  
redness
- Inhalation** : Adverse symptoms may include the following:  
Suspected of damaging fertility.  
May damage the unborn child.  
respiratory tract irritation  
coughing
- Skin contact** : Adverse symptoms may include the following:  
Suspected of damaging fertility.  
May damage the unborn child.  
redness  
irritation
- Ingestion** : Adverse symptoms may include the following:  
Suspected of damaging fertility.  
May damage the unborn child.

### Delayed and immediate effects and also chronic effects from short and long term exposure

#### Short term exposure

- Potential immediate effects** : Not available.
- Potential delayed effects** : Not available.

#### Long term exposure

- Potential immediate effects** : Not available.
- Potential delayed effects** : Not available.

#### Potential chronic health effects

Not available.

- General** : May cause damage to organs through prolonged or repeated exposure. Once sensitized, a severe allergic reaction may occur when subsequently exposed to very low levels.
- Carcinogenicity** : Suspected of causing cancer. Risk of cancer depends on duration and level of exposure.
- Mutagenicity** : No known significant effects or critical hazards.
- Teratogenicity** : May damage the unborn child.
- Developmental effects** : No known significant effects or critical hazards.

## Section 11. Toxicological information

**Fertility effects** : Suspected of damaging fertility.

### Numerical measures of toxicity

#### Acute toxicity estimates

| Route               | ATE value   |
|---------------------|-------------|
| Oral                | 305.6 mg/kg |
| Dermal              | 916.7 mg/kg |
| Inhalation (vapors) | 9.167 mg/l  |

## Section 12. Ecological information

### Toxicity

| Product/ingredient name  | Result                            | Species                                                                | Exposure |
|--------------------------|-----------------------------------|------------------------------------------------------------------------|----------|
| dibutyl phthalate        | Acute EC50 3.4 µg/l Marine water  | Algae - Karenia brevis                                                 | 96 hours |
|                          | Acute EC50 2990 µg/l Fresh water  | Daphnia - Daphnia magna                                                | 48 hours |
|                          | Acute LC50 480 µg/l Fresh water   | Fish - Lepomis macrochirus - Juvenile (Fledgling, Hatchling, Weanling) | 96 hours |
| N,N-dimethyl-p-toluidine | Chronic NOEC 210 µg/l Fresh water | Algae - Pseudokirchneriella subcapitata                                | 96 hours |
|                          | Chronic NOEC 500 µg/l Fresh water | Daphnia - Daphnia magna                                                | 21 days  |
|                          | Chronic NOEC 25 µg/l Fresh water  | Fish - Danio rerio - Embryo                                            | 5 weeks  |
|                          | Acute LC50 46000 µg/l Fresh water | Fish - Pimephales promelas                                             | 96 hours |

### Bioaccumulative potential

| Product/ingredient name  | LogP <sub>ow</sub> | BCF    | Potential |
|--------------------------|--------------------|--------|-----------|
| isobutyl methacrylate    | 2.95               | -      | low       |
| dibutyl phthalate        | 4.46               | 165.96 | low       |
| N,N-dimethyl-p-toluidine | 1.729              | 33     | low       |

### Mobility in soil

**Soil/water partition coefficient (K<sub>oc</sub>)** : Not available.

**Other adverse effects** : No known significant effects or critical hazards.

## Section 13. Disposal considerations

**Disposal methods** : The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Vapor from product residues may create a highly flammable or explosive atmosphere inside the container. Do not cut, weld or grind used containers unless they have been cleaned thoroughly internally. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

### United States - RCRA Toxic hazardous waste "U" List

## Section 13. Disposal considerations

| Ingredient                                                     | CAS #   | Status | Reference number |
|----------------------------------------------------------------|---------|--------|------------------|
| Dibutyl phthalate; 1,2-Benzenedicarboxylic acid, dibutyl ester | 84-74-2 | Listed | U069             |

## Section 14. Transport information

|                            | DOT<br>Classification                                                                                                                                                                                                                                                                                                                                                                                    | TDG<br>Classification                                                                                                                                                                                                                       | Mexico<br>Classification                                                               | ADR/RID                                                                                                                                                                                               | IMDG                                                                                                                                                                            | IATA                                                                                                     |
|----------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------|
| UN number                  | UN1993                                                                                                                                                                                                                                                                                                                                                                                                   | UN1993                                                                                                                                                                                                                                      | UN1993                                                                                 | UN1993                                                                                                                                                                                                | UN1993                                                                                                                                                                          | UN1993                                                                                                   |
| UN proper shipping name    | FLAMMABLE LIQUID, N.O.S. (isobutyl methacrylate)                                                                                                                                                                                                                                                                                                                                                         | FLAMMABLE LIQUID, N.O.S. (isobutyl methacrylate)                                                                                                                                                                                            | FLAMMABLE LIQUID, N.O.S. (isobutyl methacrylate)                                       | FLAMMABLE LIQUID, N.O.S. (isobutyl methacrylate)                                                                                                                                                      | FLAMMABLE LIQUID, N.O.S. (isobutyl methacrylate)                                                                                                                                | FLAMMABLE LIQUID, N.O.S. (isobutyl methacrylate)                                                         |
| Transport hazard class(es) | 3<br>                                                                                                                                                                                                                                                                                                                   | 3<br><br>                                                                 | 3<br> | 3<br><br>                         | 3<br><br> | 3<br>                 |
| Packing group              | III                                                                                                                                                                                                                                                                                                                                                                                                      | III                                                                                                                                                                                                                                         | III                                                                                    | III                                                                                                                                                                                                   | III                                                                                                                                                                             | III                                                                                                      |
| Environmental hazards      | No.                                                                                                                                                                                                                                                                                                                                                                                                      | No.                                                                                                                                                                                                                                         | No.                                                                                    | No.                                                                                                                                                                                                   | Yes.                                                                                                                                                                            | No.                                                                                                      |
| Additional information     | This product may be re-classified as "Combustible Liquid," unless transported by vessel or aircraft. Non-bulk packages (less than or equal to 119 gal) of combustible liquids are not regulated as hazardous materials in package sizes less than the product reportable quantity.<br><br><b><u>Reportable quantity</u></b><br>118.34 lbs / 53.728 kg [15.77 gal / 59.698 L]<br>Package sizes shipped in | Product classified as per the following sections of the Transportation of Dangerous Goods Regulations: 2.18-2.19 (Class 3), 2.7 (Marine pollutant mark).<br><br>The marine pollutant mark is not required when transported by road or rail. | -                                                                                      | The environmentally hazardous substance mark is not required when transported in sizes of ≤5 L or ≤5 kg.<br><br><b><u>Special provisions</u></b><br>640 (E)<br><br><b><u>Tunnel code</u></b><br>(D/E) | The marine pollutant mark is not required when transported in sizes of ≤5 L or ≤5 kg.                                                                                           | The environmentally hazardous substance mark may appear if required by other transportation regulations. |

## Section 14. Transport information

|  |                                                                                                                                   |  |  |  |  |  |
|--|-----------------------------------------------------------------------------------------------------------------------------------|--|--|--|--|--|
|  | quantities less than the product reportable quantity are not subject to the RQ (reportable quantity) transportation requirements. |  |  |  |  |  |
|--|-----------------------------------------------------------------------------------------------------------------------------------|--|--|--|--|--|

**Special precautions for user** : **Transport within user's premises:** always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

**Transport in bulk according to Annex II of MARPOL and the IBC Code** : Not available.

## Section 15. Regulatory information

**U.S. Federal regulations** : **TSCA 8(a) PAIR:** oxybenzone; MEHQ  
**TSCA 8(a) CDR Exempt/Partial exemption:** Not determined  
**United States inventory (TSCA 8b):** All components are listed or exempted.  
**Clean Water Act (CWA) 307:** dibutyl phthalate  
**Clean Water Act (CWA) 311:** dibutyl phthalate

**Clean Air Act Section 112 (b) Hazardous Air Pollutants (HAPs)** : Listed

**Clean Air Act Section 602 Class I Substances** : Not listed

**Clean Air Act Section 602 Class II Substances** : Not listed

**DEA List I Chemicals (Precursor Chemicals)** : Not listed

**DEA List II Chemicals (Essential Chemicals)** : Not listed

### SARA 302/304

#### Composition/information on ingredients

No products were found.

**SARA 304 RQ** : Not applicable.

### SARA 311/312

**Classification** : Fire hazard  
Immediate (acute) health hazard  
Delayed (chronic) health hazard

#### Composition/information on ingredients

## Section 15. Regulatory information

| Name                     | %         | Fire hazard | Sudden release of pressure | Reactive | Immediate (acute) health hazard | Delayed (chronic) health hazard |
|--------------------------|-----------|-------------|----------------------------|----------|---------------------------------|---------------------------------|
| isobutyl methacrylate    | ≥75 - ≤90 | Yes.        | No.                        | No.      | Yes.                            | No.                             |
| dibutyl phthalate        | ≤10       | No.         | No.                        | No.      | No.                             | Yes.                            |
| N,N-dimethyl-p-toluidine | ≤4        | Yes.        | No.                        | No.      | Yes.                            | Yes.                            |

### SARA 313

|                                 | Product name      | CAS number | %   |
|---------------------------------|-------------------|------------|-----|
| Form R - Reporting requirements | dibutyl phthalate | 84-74-2    | ≤10 |
| Supplier notification           | dibutyl phthalate | 84-74-2    | ≤10 |

SARA 313 notifications must not be detached from the SDS and any copying and redistribution of the SDS shall include copying and redistribution of the notice attached to copies of the SDS subsequently redistributed.

### State regulations

- Massachusetts** : The following components are listed: DIBUTYL PHTHALATE
- New York** : The following components are listed: Di-n-butyl phthalate; 1,2-Benzenedicarboxylic acid, dibutyl ester
- New Jersey** : The following components are listed: DI-N-BUTYL PHTHALATE; 1, 2-BENZENEDICARBOXYLIC ACID, DIBUTYL ESTER; ISOBUTYLMETHACRYLATE; 2-PROPENOIC ACID, 2-METHYL-, 2-METHYLPROPYL ESTER
- Pennsylvania** : The following components are listed: 1,2-BENZENEDICARBOXYLIC ACID, DIBUTYL ESTER

### California Prop. 65

**WARNING:** This product contains a chemical known to the State of California to cause cancer and birth defects or other reproductive harm.

| Ingredient name          | Cancer | Reproductive | No significant risk level | Maximum acceptable dosage level |
|--------------------------|--------|--------------|---------------------------|---------------------------------|
| dibutyl phthalate        | No.    | Yes.         | No.                       | Yes.                            |
| N,N-dimethyl-p-toluidine | Yes.   | No.          | No.                       | No.                             |

- Canada inventory** : All components are listed or exempted.

### International regulations

- International lists** :
- Australia inventory (AICS):** All components are listed or exempted.
  - China inventory (IECSC):** All components are listed or exempted.
  - Japan inventory (ENCS):** All components are listed or exempted.
  - Japan inventory (ISHL):** Not determined.
  - Korea inventory:** All components are listed or exempted.
  - Malaysia Inventory (EHS Register):** Not determined.
  - New Zealand Inventory of Chemicals (NZIoC):** All components are listed or exempted.
  - Philippines inventory (PICCS):** All components are listed or exempted.
  - Taiwan Chemical Substances Inventory (TCSI):** All components are listed or exempted.
  - Turkey inventory:** All components are listed or exempted.

- Chemical Weapons Convention List Schedule I Chemicals** : Not listed

- Chemical Weapons Convention List Schedule II Chemicals** : Not listed

## Section 15. Regulatory information

**Chemical Weapons** : Not listed  
**Convention List Schedule**  
**III Chemicals**

## Section 16. Other information

### Hazardous Material Information System (U.S.A.)

|                     |   |   |
|---------------------|---|---|
| Health              | * | 2 |
| Flammability        |   | 2 |
| Physical hazards    |   | 2 |
| Personal protection |   |   |

Caution: HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. Although HMIS® ratings are not required on SDSs under 29 CFR 1910.1200, the preparer may choose to provide them. HMIS® ratings are to be used with a fully implemented HMIS® program. HMIS® is a registered mark of the National Paint & Coatings Association (NPCA). HMIS® materials may be purchased exclusively from J. J. Keller (800) 327-6868.

The customer is responsible for determining the PPE code for this material.

### National Fire Protection Association (U.S.A.)



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Copyright ©2001, National Fire Protection Association, Quincy, MA 02269. This warning system is intended to be interpreted and applied only by properly trained individuals to identify fire, health and reactivity hazards of chemicals. The user is referred to certain limited number of chemicals with recommended classifications in NFPA 49 and NFPA 325, which would be used as a guideline only. Whether the chemicals are classified by NFPA or not, anyone using the 704 systems to classify chemicals does so at their own risk.

### History

**Date of printing** : 8/1/2016  
**Date of issue/Date of revision** : 8/1/2016  
**Date of previous issue** : No previous validation  
**Version** : 1  
**Key to abbreviations** : ATE = Acute Toxicity Estimate  
 BCF = Bioconcentration Factor  
 GHS = Globally Harmonized System of Classification and Labelling of Chemicals  
 IATA = International Air Transport Association  
 IBC = Intermediate Bulk Container  
 IMDG = International Maritime Dangerous Goods  
 LogPow = logarithm of the octanol/water partition coefficient  
 MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)  
 UN = United Nations

**References** : Not available.

Indicates information that has changed from previously issued version.

### Notice to reader

## Section 16. Other information

To the best of our knowledge, the information contained herein is accurate. However, neither the above-named supplier, nor any of its subsidiaries, assumes any liability whatsoever for the accuracy or completeness of the information contained herein.

Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

Information contained within this SDS is only to be distributed as required by law.