

# Safety Data Sheet

**RUST-OLEUM**  
AUSTRALIA

www.rustoleum.com.au

## 1. Identification

**Product Name:** ULTCOV 2X +SSPR 6PK IBU GLOSS DEEP BLUE  
**Revision Date:** 04/12/2023

**Name on Label:** Ultra Cover 2X Gloss Deep Blue  
**Supersedes Date:** 30/03/2021

**Product Identifier:** 276266

**Product Use/Class:** Topcoat/ Aerosol

**Supplier:** Rust-Oleum Australia & New Zealand Pty. Ltd.  
 Level 2, 307 Ferntree Gully Road  
 Mount Waverley, Victoria 3149  
 Australia  
 Ph 1 300 784 476  
**Manufacturer:** Rust-Oleum Corporation  
 11 Hawthorn Parkway  
 Vernon Hills, IL 60061  
 USA

**Preparer:** Regulatory Department

**Emergency Telephone:** 24 Hour Hotline: 1-300-366-961

## 2. Hazard Identification

This product is classified as a Dangerous Good per the Australian Code for the Transport of Dangerous Goods by Road and Rail. This product was assessed per Safe Work Australia criteria.

### Classification

#### Symbol(s) of Product



### Signal Word

Danger

### Possible Hazards

37% of the mixture consists of ingredient(s) of unknown acute toxicity.

### GHS HAZARD STATEMENTS

|   |      |   |
|---|------|---|
| Pressurized Container; may burst if heated. | H229 | Pressurized container: may burst if heated. |
| Eye Irritation, category 2A                 | H319 | Causes serious eye irritation.              |
| Flammable Aerosol, category 1               | H222 | Extremely flammable aerosol.                |
| Skin Irritation, category 2                 | H315 | Causes skin irritation.                     |
| STOT, Repeated Exposure, category 2         | H373 | May cause damage to organs.                 |
| STOT, Single Exposure, category 3, NE       | H336 | May cause drowsiness or dizziness.          |

### GHS LABEL PRECAUTIONARY STATEMENTS

|           |  |
|-----------|--|
| P210      | Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. |
| P211      | Do not spray on an open flame or other ignition source.  |
| P251      | Do not pierce or burn, even after use.   |
| P260      | Do not breathe dust/fumes/gas/mist/vapours/spray.  |
| P264      | Wash thoroughly after handling.  |
| P280      | Wear protective gloves / protective clothing / eye protection / face protection.               |
| P302+P352 | IF ON SKIN: Wash with plenty of soap and water.  |

P304+P340  
P305+P351+P338

IF INHALED: Remove person to fresh air and keep comfortable for breathing.  
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P317  
P319  
P321  
P332+P317  
P337+P317  
P362+P364  
P403+P233  
P405  
P410+P412  
P501

Get medical help.  
Get medical help if you feel unwell.  
Specific treatment (see notice on this label).  
If skin irritation occurs: Get medical help.  
If eye irritation persists: Get medical help.  
Take off contaminated clothing and wash it before reuse.  
Store in a well-ventilated place. Keep container tightly closed.  
Store locked up.  
Protect from sunlight. Do not expose to temperatures exceeding 50°C / 122°F.  
Dispose of contents and container in accordance with local, regional and national regulations.

### 3. Composition/Information On Ingredients

#### HAZARDOUS SUBSTANCES

| <u>Chemical Name</u>                   | <u>CAS-No.</u> | <u>Wt.% Range</u> | <u>GHS Symbols</u> | <u>GHS Statements</u>    |
|--|----------------|-------------------|--------------------|--------------------------|
| Acetone                                | 67-64-1        | 25-50             | GHS02-GHS07        | H225-319-332-336         |
| Propane                                | 74-98-6        | 10-25             | GHS04              | H280                     |
| n-Butane                               | 106-97-8       | 2.5-10            | GHS04              | H280                     |
| Dimethyl Carbonate                     | 616-38-6       | 2.5-10            | GHS02-GHS06        | H225-331                 |
| Naphtha, Petroleum, Hydrotreated Light | 64742-49-0     | 2.5-10            | GHS07-GHS08        | H304-315-319-372         |
| 1-Methoxy-2-Propyl Acetate             | 108-65-6       | 2.5-10            | GHS02-GHS07        | H226-332                 |
| n-Butyl Acetate                        | 123-86-4       | 2.5-10            | GHS02-GHS07        | H226-336                 |
| Xylenes (o-, m-, p- Isomers)           | 1330-20-7      | 2.5-10            | GHS02-GHS07-GHS08  | H226-304-315-319-332-335 |
| Titanium Dioxide                       | 13463-67-7     | 1.0-2.5           | Not Available      | Not Available            |
| Barium Sulfate                         | 7727-43-7      | 1.0-2.5           | GHS07              | H332                     |
| Solvent Naphtha, Light Aromatic        | 64742-95-6     | 1.0-2.5           | GHS07-GHS08        | H304-315-319-332-372     |
| Ethylbenzene                           | 100-41-4       | 0.1-1.0           | GHS02-GHS07-GHS08  | H225-304-315-319-332-373 |
| Zirconium 2-Ethylhexanoate             | 22464-99-9     | 0.1-1.0           | GHS07              | H315+H320                |
| Zirconium Acetate                      | 5153-24-2      | <0.1              | Not Available      | Not Available            |

The balance of the product is Nonhazardous.

### 4. First-Aid Measures

**FIRST AID - EYE CONTACT:** Immediately flush eyes with plenty of water for at least 15 minutes holding eyelids open. Get medical attention. Do NOT allow rubbing of eyes or keeping eyes closed. Remove contact lenses, if present and easy to do. Continue rinsing.

**FIRST AID - SKIN CONTACT:** Immediately flush skin with plenty of water for at least 15 minutes while removing clothing. Get medical attention immediately. Wash clothing separately before reuse.

**FIRST AID - INHALATION:** Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get immediate medical attention. Do NOT use mouth-to-mouth resuscitation. If you experience difficulty in breathing, leave the area to obtain fresh air. If continued difficulty is experienced, get medical assistance immediately.

**FIRST AID - INGESTION:** If swallowed, do not induce vomiting. If victim is conscious and alert, give 2 to 4 cupfuls of water or milk. Call a physician or poison control center immediately. Never give anything by mouth to an unconscious person. Treat symptomatically and supportively. Do not induce vomiting unless advised by a physician. Call nearest Poison Control Center or Physician immediately.

## 5. Fire-fighting Measures

**ADG HAZCHEM CODE:** None

**EXTINGUISHING MEDIA:** Aqueous Film Forming Foam, Carbon Dioxide, Dry Chemical, Dry Sand, Water Fog

**UNUSUAL FIRE AND EXPLOSION HAZARDS:** FLASH POINT IS LESS THAN -7°C (20°F). EXTREMELY FLAMMABLE LIQUID AND VAPOR! Water spray may be ineffective. Closed containers may explode when exposed to extreme heat. Vapors may form explosive mixtures with air. Vapors can travel to a source of ignition and flash back. Isolate from heat, electrical equipment, sparks and open flame. Perforation of the pressurized container may cause bursting of the can.

**SPECIAL FIREFIGHTING PROCEDURES:** Water may be used to cool closed containers to prevent buildup of steam. If water is used, fog nozzles are preferred. Evacuate area and fight fire from a safe distance. Containers can rupture and release highly toxic material if exposed to heat. Substance is non-combustible but reacts with many metals to form explosive hydrogen gas. Use water spray to keep fire-exposed containers cool. Containers may explode when heated.

## 6. Accidental Release Measures

**STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED:** Avoid runoff into sewers and waterways. Provide ventilation and approach spill from upwind using proper personal protective equipment as indicated in Section 8. Contain spilled liquid with sand or earth. DO NOT use combustible materials such as sawdust. Remove all sources of ignition, ventilate area and remove with inert absorbent and non-sparking tools. Dispose of according to local, state (provincial) and federal regulations. Do not incinerate closed containers.

## 7. Handling and Storage

**HANDLING:** Wash thoroughly after handling. Wash hands before eating. Remove contaminated clothing and launder before reuse. Use only with adequate ventilation. Follow all SDS and label precautions even after container is emptied because it may retain product residues. Avoid breathing fumes, vapors, or mist. Do not get in eyes, on skin or clothing. Do not puncture or incinerate (burn) container, even after use.

**STORAGE:** Contents under pressure. Do not store above 120°F (49°C). Store large quantities in buildings designed and protected for storage of flammable aerosols. Keep away from heat, sparks, flame and sources of ignition.

**Advice on Safe Handling of Combustible Dust:** No Information

## 8. Exposure Controls / Personal Protection

| Chemical Name                          | CAS-No.    | Weight % Less Than | WHS WES TLV-TWA | WHS WES TLV-STEL |
|--|------------|--------------------|-----------------|------------------|
| Acetone                                | 67-64-1    | 30.0               | 250 ppm         | 500 ppm          |
| Propane                                | 74-98-6    | 20.0               | N.E.            | N.E.             |
| n-Butane                               | 106-97-8   | 10.0               | N.E.            | 1000 ppm         |
| Dimethyl Carbonate                     | 616-38-6   | 10.0               | N.E.            | N.E.             |
| Naphtha, Petroleum, Hydrotreated Light | 64742-49-0 | 10.0               | N.E.            | N.E.             |
| 1-Methoxy-2-Propyl Acetate             | 108-65-6   | 10.0               | N.E.            | N.E.             |
| n-Butyl Acetate                        | 123-86-4   | 5.0                | 50 ppm          | 150 ppm          |
| Xylenes (o-, m-, p- Isomers)           | 1330-20-7  | 5.0                | 20 ppm          | N.E.             |
| Titanium Dioxide                       | 13463-67-7 | 5.0                | 0.2 mg/m3       | N.E.             |
| Barium Sulfate                         | 7727-43-7  | 5.0                | 5 mg/m3         | N.E.             |
| Solvent Naphtha, Light Aromatic        | 64742-95-6 | 5.0                | N.E.            | N.E.             |
| Ethylbenzene                           | 100-41-4   | 1.0                | 20 ppm          | N.E.             |
| Zirconium 2-Ethylhexanoate             | 22464-99-9 | 1.0                | 5 mg/m3         | 10 mg/m3         |
| Zirconium Acetate                      | 5153-24-2  | 0.1                | 5 mg/m3         | 10 mg/m3         |

### PERSONAL PROTECTION

**ENGINEERING CONTROLS:** Use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits. Use explosion-proof ventilation equipment. Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. Prevent build-up of vapors by opening all doors and windows to achieve cross-ventilation.

**RESPIRATORY PROTECTION:** Wear an approved (or equivalent) full-facepiece airline respirator according to AS/NZS 1715-2009 and AS/NZS 1716-2012 in the positive pressure mode with emergency escape provisions. A respiratory protection program that meets AS/NZS 1715-2009 and AS/NZS 1716-2012 requirements must be followed whenever workplace conditions warrant a respirator's use. An approved air purifying respirator with organic vapor cartridge or canister according to AS/NZS 1715-2009 and AS/NZS 1716-2012 may be permissible under certain circumstances where airborne concentrations are expected to exceed exposure limits. Users of this product in industrial/OEM applications must use one of the following forms of respiratory protection:

- AS/NZS 1715-2009 and AS/NZS 1716-2012 compliant supplied-air respirator operated in pressure demand or continuous flow mode and equipped with a tight fitting facepiece
- AS/NZS 1715-2009 and AS/NZS 1716-2012 compliant air-purifying respirator equipped with a full facepiece and organic gas/vapor cartridges
- AS/NZS 1715-2009 and AS/NZS 1716-2012 compliant powered air-purifying respirator equipped with a full facepiece and organic gas/vapor cartridges.

**SKIN PROTECTION:** Use impervious gloves to prevent skin contact and absorption of this material through the skin.

**EYE PROTECTION:** Use safety eyewear designed to protect against splash of liquids.

**OTHER PROTECTIVE EQUIPMENT:** Refer to safety supervisor or industrial hygienist for further guidance regarding types of personal protective equipment and their applications.

**HYGIENIC PRACTICES:** Wash thoroughly with soap and water before eating, drinking or smoking. Remove contaminated clothing immediately and launder before reuse.

**Engineering Measures for Combustible Dust:** No Information

## 9. Physical and Chemical Properties

|                                 |                     |   |            |
|---------------------------------|---------------------|---|------------|
| <b>Appearance:</b>              | Aerosolized Mist    | <b>Physical State:</b>                              | Liquid     |
| <b>Odor:</b>                    | Solvent Like        | <b>Odor Threshold:</b>                              | N.E.       |
| <b>Specific Gravity:</b>        | 0.766               | <b>pH:</b>  | N.A.       |
| <b>Freeze Point, °C:</b>        | N.D.                | <b>Viscosity:</b>                                   | N.D.       |
| <b>Solubility in Water:</b>     | Slight              | <b>Partition Coefficient, n-octanol/<br/>water:</b> | N.D.       |
| <b>Decomposition Temp., °C:</b> | N.D.                | <b>Explosive Limits, vol%:</b>                      | 0.9 - 13.0 |
| <b>Boiling Range, °C:</b>       | -37 - 537           | <b>Flash Point, °C:</b>                             | -96        |
| <b>Flammability:</b>            | Supports Combustion | <b>Auto-Ignition Temp., °C:</b>                     | N.D.       |
| <b>Evaporation Rate:</b>        | Faster than Ether   | <b>Vapor Pressure:</b>                              | N.D.       |
| <b>Vapor Density:</b>           | Heavier than Air    |   |            |

(See "Other information" Section for abbreviation legend)

## 10. Stability and Reactivity

**Conditions to Avoid:** Avoid temperatures above 120°F (49°C). Avoid all possible sources of ignition. Avoid contact with metals. Avoid excess heat. Keep from freezing.

**Incompatibility:** Incompatible with strong oxidizing agents, strong acids and strong alkalies. Product slowly corrodes copper, aluminum, zinc, and galvanized surfaces.

**Hazardous Decomposition:** When heated to decomposition, it emits acrid smoke and irritating fumes. Contains solvents which may form carbon monoxide, carbon dioxide, and formaldehyde.

**Hazardous Polymerization:** Will not occur under normal conditions.

**Stability:** This product is stable under normal storage conditions.

## 11. Toxicological Information

**EFFECTS OF OVEREXPOSURE - EYE CONTACT:** Can cause severe eye irritation. Causes eye burns. Causes eye and skin irritation which may lead to dermatitis with repeated exposures. Irritating, and may injure eye tissue if not removed promptly. High vapor concentrations can irritate eyes, nose and respiratory passages.

**EFFECTS OF OVEREXPOSURE - SKIN CONTACT:** Substance is corrosive. Causes severe skin burns. Severely irritating; may cause permanent skin damage.

**EFFECTS OF OVEREXPOSURE - INHALATION:** High gas, vapor, mist or dust concentrations may be harmful if inhaled. Avoid breathing fumes, spray, vapors, or mist. High vapor concentrations are irritating to the eyes, nose, throat and lungs. Routine handling and application does not require use of respiratory protection; however, if air monitoring demonstrates vapor, mist, or dust levels above applicable limits, wear an appropriate, properly fitted respirator (meets AS/NZS 1715-2009 and AS/NZS 1716-2012 requirements) during handling and application. Follow respirator manufacturer's directions for respirator use.

**EFFECTS OF OVEREXPOSURE - INGESTION:** Corrosive and may cause severe and permanent damage to mouth, throat and stomach. Harmful if swallowed.

**EFFECTS OF OVEREXPOSURE - CHRONIC HAZARDS:** High concentrations may lead to central nervous system effects (drowsiness, dizziness, nausea, headaches, paralysis, and blurred vision) and/or damage. Reports have associated repeated and prolonged occupational overexposure to solvents with permanent brain and nervous system damage. Overexposure to xylene in laboratory animals has been associated with liver abnormalities, kidney, lung, spleen, eye and blood damage as well as reproductive disorders. Effects in humans, due to chronic overexposure, have included liver, cardiac abnormalities and nervous system damage. IARC lists Ethylbenzene as a possible human carcinogen (group 2B). Contains Titanium Dioxide. Titanium Dioxide is listed as a Group 2B-"Possibly carcinogenic to humans" by IARC. No significant exposure to Titanium Dioxide is thought to occur during the use of products in which Titanium Dioxide is bound to other materials, such as in paints during brush application or drying. Risk of overexposure depends on duration and level of exposure to dust from repeated sanding of surfaces or spray mist and the actual concentration of Titanium Dioxide in the formula. (Ref: IARC Monograph, Vol. 93, 2010)

**PRIMARY ROUTE(S) OF ENTRY:** Eye Contact, Ingestion, Inhalation, Skin Absorption, Skin Contact

#### ACUTE TOXICITY VALUES

The acute effects of this product have not been tested. Data on individual components are tabulated below:

| <u>CAS-No.</u> | <u>Chemical Name</u>                   | <u>Oral LD50</u> | <u>Dermal LD50</u>  | <u>Vapor LC50</u> |
|----------------|--|------------------|---------------------|-------------------|
| 67-64-1        | Acetone                                | 5800 mg/kg Rat   | >15700 mg/kg Rabbit | 50.1 mg/L Rat     |
| 106-97-8       | n-Butane                               | N.E.             | N.E.                | 658 mg/L Rat      |
| 616-38-6       | Dimethyl Carbonate                     | 13000 mg/kg Rat  | >5000 mg/kg Rabbit  | >5.36 mg/L Rat    |
| 64742-49-0     | Naphtha, Petroleum, Hydrotreated Light | >5000 mg/kg Rat  | >3160 mg/kg Rabbit  | >4951 mg/L Rat    |
| 108-65-6       | 1-Methoxy-2-Propyl Acetate             | 8532 mg/kg Rat   | >5000 mg/kg Rabbit  | 16 mg/L Rat       |
| 123-86-4       | n-Butyl Acetate                        | 10768 mg/kg Rat  | >17600 mg/kg Rabbit | > 21 mg/L Rat     |
| 1330-20-7      | Xylenes (o-, m-, p- Isomers)           | 3500 mg/kg Rat   | >4350 mg/kg Rabbit  | 29.08 mg/L Rat    |
| 13463-67-7     | Titanium Dioxide                       | >10000 mg/kg Rat | 6000                | N.E.              |
| 7727-43-7      | Barium Sulfate                         | 307000 mg/kg Rat | N.E.                | N.E.              |
| 64742-95-6     | Solvent Naphtha, Light Aromatic        | 8400 mg/kg Rat   | >2000 mg/kg Rabbit  | N.E.              |
| 100-41-4       | Ethylbenzene                           | 3500 mg/kg Rat   | 15400 mg/kg Rabbit  | 17.4 mg/L Rat     |

N.E. - Not Established

## 12. Ecological Information

**ECOLOGICAL INFORMATION:** No ecotoxicity data was found for this product.

**TOXICITY:** The acute toxicity effects of this product have not been tested. Data on individual components are tabulated below:

#### AQUATIC ACUTE TOXICITY VALUES

The acute effects of this product have not been tested. Data on individual components are tabulated below:

| <u>CAS-No.</u> | <u>Chemical Name</u>                   | <u>Algae</u> | <u>Daphnia/Aquatic</u> | <u>Fish</u>      |
|----------------|--|--------------|------------------------|------------------|
| 67-64-1        | Acetone                                | N.E.         | 10294 - 17704 mg/L     | 4.74 - 6.33 mL/L |
| 616-38-6       | Dimethyl Carbonate                     | N.E.         | N.E.                   | >=100 mg/L       |
| 64742-49-0     | Naphtha, Petroleum, Hydrotreated Light | N.E.         | N.E.                   | 8.41 mg/L        |
| 108-65-6       | 1-Methoxy-2-Propyl Acetate             | N.E.         | >500 mg/L              | 161 mg/L         |
| 123-86-4       | n-Butyl Acetate                        | 674.7 mg/L   | N.E.                   | 100 mg/L         |
| 1330-20-7      | Xylenes (o-, m-, p- Isomers)           | N.E.         | 3.82 mg/L              | 13.4 mg/L        |
| 64742-95-6     | Solvent Naphtha, Light Aromatic        | N.E.         | 6.14 mg/L              | 9.22 mg/L        |
| 100-41-4       | Ethylbenzene                           | 4.6 mg/L     | 1.8 - 2.4 mg/L         | 11.0 - 18.0 mg/L |

N.E. - Not Established

**PERSISTENCE AND DEGRADABILITY:** The persistence and degradability of this product have not been tested.

#### BIOACCUMULATIVE POTENTIAL:

| <u>Product/ingredient name</u> | <u>Octanol-water par. Coeff (log KOW)</u> | <u>Bio. Conc. Factor (BCF)</u> |
|--------------------------------|---|--------------------------------|
| Acetone                        | -0.24                                     | 0.69 dimensionless             |
| Propane                        | 1.09                                      | N.I.                           |
| n-Butane                       | 2.31                                      | N.I.                           |
| Dimethyl Carbonate             | 0.354                                     | N.I.                           |
| 1-Methoxy-2-Propyl Acetate     | 1.2                                       | N.I.                           |
| n-Butyl Acetate                | 1.81                                      | N.I.                           |
| Xylenes (o-, m-, p- Isomers)   | 2.77 - 3.15                               | 0.6 - 15 dimensionless         |
| Ethylbenzene                   | 3.6                                       | 15 dimensionless               |

**MOBILITY IN SOIL:** The mobility in soil of this product has not been tested.

**OTHER ADVERSE EFFECTS:** This product has not been tested for other adverse ecological effects.

### 13. Disposal Information

**DISPOSAL:** Dispose of material in accordance to local, state, and federal regulations and ordinances. Do not incinerate closed containers.

### 14. Transport Information

|                       | <u>Domestic (USDOT)</u>                     | <u>International (IMDG)</u> | <u>Air (IATA)</u>   | <u>ADG</u> |
|-----------------------|---|-----------------------------|---------------------|------------|
| UN Number:            | N.A.  | 1950                        | 1950                | 1950       |
| Proper Shipping Name: | Paint and Related Spray Products in Ltd Qty | Aerosols                    | Aerosols, flammable | Aerosols   |
| Hazard Class:         | N.A.  | 2                           | 2.1                 | 2.1        |
| Packing Group:        | N.A.  | N.A.                        | N.A.                | N.A.       |
| Limited Quantity:     | Yes   | Yes                         | Yes                 | Yes        |
| ADG Hazchem Code:     | None  |                             |                     |            |

### 15. Regulatory Information

#### Montreal Protocol

No Montreal Protocol components exist in this product.

#### Stockholm Convention

No Stockholm Convention components exist in this product.

#### Rotterdam Convention

No Rotterdam Convention components exist in this product.

#### MARPOL

This product contains the following substances listed under the MARPOL regulations:

| <u>Chemical Name</u> | <u>CAS-No.</u> |
|----------------------|----------------|
| n-Nonane             | 111-84-2       |
| Naphthalene          | 91-20-3        |

#### SUSMP

This product contains the following substances classified as poisons as regulated by the Poisons Standard (SUSMP):

| <u>Chemical Name</u> | <u>Schedule Number(s)</u> |
|----------------------|---------------------------|
| Acetone              | Schedule 5                |
| Liquid Hydrocarbons  | Schedule 5                |

#### Capital Territories Environmental Regulations

This product contains the following substances listed under the Australian Capital Territories Environmental Protection Regulation:

| <u>Chemical Name</u>         | <u>Schedule</u> | <u>Schedule Name</u>                 |
|------------------------------|-----------------|--------------------------------------|
| Xylenes (o-, m-, p- Isomers) | 3               | DOM - Organic Chemicals              |
| Ethylbenzene                 | 3               | Non-pesticide Anthropogenic Organics |

|                   |   |                                      |
|-------------------|---|--------------------------------------|
| Toluene           | 3 | Non-pesticide Anthropogenic Organics |
| Benzene           | 3 | Non-pesticide Anthropogenic Organics |
| Lead Compounds    | 3 | AQUA - Inorganic Chemicals           |
| Cadmium Compounds | 3 | AQUA - Inorganic Chemicals           |

## 16. Other Information

|                             |  |
|-----------------------------|--|
| <b>SDS REVISION DATE:</b>   | 04/12/2023   |
| <b>REASON FOR REVISION:</b> | Product Composition Changed<br>Substance and/or Product Properties Changed in Section(s):<br>01 - Identification<br>02 - Hazard Identification<br>03 - Composition / Information on Ingredients<br>05 - Fire-Fighting Measures<br>08 - Exposure Controls / Personal Protection<br>09 - Physical & Chemical Properties<br>11 - Toxicological Information<br>12 - Ecological Information<br>Substance Hazard Threshold % Changed<br>Substance Hazardous Flag Changed<br>Substance Regulatory CAS Number Changed<br>Revision Statement(s) Changed |

### Legend:

N.A. - Not Applicable   N.D. - Not Determined   N.E. - Not Established  
S.T.E.L. - Short Term Exposure Limit  
T.W.A. - Time Weighted Average  
W.E.S. - Workplace Exposure Standard  
W.H.S. - Work Health and Safety regulation

The manufacturer believes, to the best of its knowledge, information and belief, the information contained herein to be accurate and reliable as of the date of this safety data sheet. However, because the conditions of handling, use, and storage of these materials are beyond our control, we assume no responsibility or liability for personal injury or property damage incurred by the use of these materials. The manufacturer makes no warranty, expressed or implied, regarding the accuracy or reliability of the data or results obtained from their use. All materials may present unknown hazards and should be used with caution. The information and recommendations in this material safety data sheet are offered for the users' consideration and examination. It is the responsibility of the user to determine the final suitability of this information and to comply with all applicable international, federal, state, and local laws and regulations.