



# SAFETY DATA SHEET

## DOW CHEMICAL CANADA ULC

**Product name:** TRITON™ BG-10 Surfactant

**Issue Date:** 01/02/2024

**Print Date:** 01/03/2024

DOW CHEMICAL CANADA ULC encourages and expects you to read and understand the entire (M)SDS, as there is important information throughout the document. We expect you to follow the precautions identified in this document unless your use conditions would necessitate other appropriate methods or actions.

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## 1. IDENTIFICATION

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**Product name:** TRITON™ BG-10 Surfactant

**Other means of identification:** No data available

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

**Identified uses:** Multi-purpose surfactant.

### COMPANY IDENTIFICATION

DOW CHEMICAL CANADA ULC  
#2400, 215 - 2ND STREET S.W.  
CALGARY AB T2P 1M4  
CANADA

**Customer Information Number:**

800-258-2436  
SDSQuestion@dow.com

### EMERGENCY TELEPHONE NUMBER

**24-Hour Emergency Contact (transportation emergencies only):** 1-800-424-9300

**Local Emergency Contact (transportation emergencies only):** 1-800-424-9300

**24-Hour Emergency Contact:** 1-989-636-4400

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## 2. HAZARDS IDENTIFICATION

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### Hazard classification

This product is hazardous under the criteria of the Hazardous Products Regulation (HPR) as implemented under the Workplace Hazardous Materials Information System (WHMIS 2015).  
Serious eye damage - Category 1

### Label elements

**Hazard pictograms**



Signal word: **DANGER!**

**Hazards**

Causes serious eye damage.

**Precautionary statements****Prevention**

Wear eye protection/ face protection.

**Response**

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER and/or doctor.

**Other hazards**

Slipping hazard.

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**3. COMPOSITION/INFORMATION ON INGREDIENTS**

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This product is a mixture.

| Chemical name                           | Common name and synonym                            | CASRN      | Concentration (w/w) |
|-----------------------------------------|----------------------------------------------------|------------|---------------------|
| Glucose, decyl octyl ethers, oligomeric | D-Glucopyranose, oligomers, decyl octyl glycosides | 68515-73-1 | 70.0%               |
| Water                                   | Water                                              | 7732-18-5  | > 25.0 %            |
| Octanol                                 | octan-1-ol                                         | 111-87-5   | < 5.0 %             |
| Decan-1-ol                              | decan-1-ol                                         | 112-30-1   | < 5.0 %             |

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**4. FIRST AID MEASURES**

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**Description of first aid measures****General advice:**

First Aid responders should pay attention to self-protection and use the recommended protective clothing (chemical resistant gloves, splash protection). If potential for exposure exists refer to Section 8 for specific personal protective equipment.

**Inhalation:** Move person to fresh air and keep comfortable for breathing; consult a physician.

**Skin contact:** Wash off with plenty of water. Suitable emergency safety shower facility should be available in work area.

**Eye contact:** Wash immediately and continuously with flowing water for at least 30 minutes. Remove contact lenses after the first 5 minutes and continue washing. Obtain prompt medical consultation, preferably from an ophthalmologist. Suitable emergency eye wash facility should be immediately available.

**Ingestion:** If swallowed, seek medical attention. Do not induce vomiting unless directed to do so by medical personnel.

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

Causes serious eye damage.

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

**Notes to physician:** Chemical eye burns may require extended irrigation. Obtain prompt consultation, preferably from an ophthalmologist. No specific antidote. Treatment of exposure should be directed at the control of symptoms and the clinical condition of the patient.

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## 5. FIREFIGHTING MEASURES

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### Extinguishing media

**Suitable extinguishing media:** To extinguish combustible residues of this product use water fog, carbon dioxide, dry chemical or foam..

**Unsuitable extinguishing media:** No data available

### Special hazards arising from the substance or mixture

**Hazardous combustion products:** Under fire conditions some components of this product may decompose. The smoke may contain unidentified toxic and/or irritating compounds.. Combustion products may include and are not limited to:. Carbon monoxide.. Carbon dioxide..

**Unusual Fire and Explosion Hazards:** This material will not burn until the water has evaporated. Residue can burn..

### Advice for firefighters

**Fire Fighting Procedures:** Keep people away. Isolate fire and deny unnecessary entry.. To extinguish combustible residues of this product use water fog, carbon dioxide, dry chemical or foam..

**Special protective equipment for firefighters:** Wear positive-pressure self-contained breathing apparatus (SCBA) and protective fire fighting clothing (includes fire fighting helmet, coat, trousers, boots, and gloves).. If protective equipment is not available or not used, fight fire from a protected location or safe distance..

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## 6. ACCIDENTAL RELEASE MEASURES

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**Personal precautions, protective equipment and emergency procedures:** Evacuate area. Keep upwind of spill. Ventilate area of leak or spill. Only trained and properly protected personnel must be involved in clean-up operations. Spilled material may cause a slipping hazard. Refer to section 7,

Handling, for additional precautionary measures. Use appropriate safety equipment. For additional information, refer to Section 8, Exposure Controls and Personal Protection.

**Environmental precautions:** Prevent from entering into soil, ditches, sewers, waterways and/or groundwater. See Section 12, Ecological Information.

**Methods and materials for containment and cleaning up:** Contain spilled material if possible. Absorb with materials such as: Sand. Dirt. Collect in suitable and properly labeled containers. Do not use water for cleanup. See Section 13, Disposal Considerations, for additional information.

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## 7. HANDLING AND STORAGE

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**Precautions for safe handling:** Do not get in eyes. Avoid breathing vapor. Keep container closed. Use with adequate ventilation. Wash thoroughly after handling. See Section 8, EXPOSURE CONTROLS AND PERSONAL PROTECTION.

**Conditions for safe storage:** Additional storage and handling information on this product may be obtained by calling your sales or customer service contact. Ask for a product brochure.

### Storage stability

**Shelf life: Use within**  
24 Month

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## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

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### Control parameters

If exposure limits exist, they are listed below. If no exposure limits are displayed, then no values are applicable.

Consult local authorities for recommended exposure limits.

| Component | Regulation | Type of listing | Value  |
|-----------|------------|-----------------|--------|
| Octanol   | US WEEL    | TWA             | 50 ppm |

### Exposure controls

**Engineering controls:** Use engineering controls to maintain airborne level below exposure limit requirements or guidelines. If there are no applicable exposure limit requirements or guidelines, use only with adequate ventilation. Local exhaust ventilation may be necessary for some operations.

### Individual protection measures

**Eye/face protection:** Use chemical goggles.

#### Skin protection

**Hand protection:** Use gloves chemically resistant to this material. Examples of preferred glove barrier materials include: Butyl rubber. Natural rubber ("latex"). Neoprene. Polyethylene. Ethyl vinyl alcohol laminate ("EVAL"). Polyvinyl chloride ("PVC" or "vinyl"). Nitrile/butadiene rubber ("nitrile" or "NBR"). Viton. Examples of acceptable glove barrier materials include: Chlorinated polyethylene. Avoid gloves made of: Polyvinyl alcohol ("PVA"). NOTICE: The selection of a specific glove for a particular application and duration of use in a workplace should also take into account all relevant workplace factors such as, but not limited to: Other chemicals which may be handled, physical requirements (cut/puncture protection, dexterity, thermal

protection), potential body reactions to glove materials, as well as the instructions/specifications provided by the glove supplier.

**Other protection:** Use protective clothing chemically resistant to this material. Selection of specific items such as face shield, boots, apron, or full body suit will depend on the task.

**Respiratory protection:** Respiratory protection should be worn when there is a potential to exceed the exposure limit requirements or guidelines. If there are no applicable exposure limit requirements or guidelines, use an approved respirator. Selection of air-purifying or positive-pressure supplied-air will depend on the specific operation and the potential airborne concentration of the material. For emergency conditions, use an approved positive-pressure self-contained breathing apparatus.

The following should be effective types of air-purifying respirators: Organic vapor cartridge with a particulate pre-filter.

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

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### Appearance

|                                        |                                                            |
|----------------------------------------|------------------------------------------------------------|
| Physical state                         | Liquid.                                                    |
| Color                                  | Brown                                                      |
| Odor                                   | pungent                                                    |
| Odor Threshold                         | No test data available                                     |
| pH                                     | 7.6 <i>Calculated.</i>                                     |
| Melting point/range                    | No test data available                                     |
| Freezing point                         | -24 °C <i>Calculated.</i>                                  |
| Boiling point (760 mmHg)               | 102 °C <i>Calculated.</i>                                  |
| Flash point                            | <b>closed cup</b> No measurable flash point                |
| Evaporation Rate (Butyl Acetate = 1)   | 1.0 <i>Calculated.</i>                                     |
| Flammability (solid, gas)              | Not applicable to liquids                                  |
| Flammability (liquids)                 | Not expected to be a static-accumulating flammable liquid. |
| Lower explosion limit                  | No test data available                                     |
| Upper explosion limit                  | No test data available                                     |
| Vapor Pressure                         | 17.9 mmHg at 20 °C <i>Calculated.</i>                      |
| Relative Vapor Density (air = 1)       | 0.8 <i>Calculated.</i>                                     |
| Relative Density (water = 1)           | 1.17 at 20 °C / 20 °C <i>Calculated.</i>                   |
| Water solubility                       | completely soluble                                         |
| Partition coefficient: n-octanol/water | No data available                                          |
| Auto-ignition temperature              | No test data available                                     |
| Decomposition temperature              | No test data available                                     |
| Dynamic Viscosity                      | 3,700 mPa.s at 25 °C <i>Calculated.</i>                    |
| Kinematic Viscosity                    | No test data available                                     |
| Explosive properties                   | No data available                                          |
| Oxidizing properties                   | No data available                                          |

|                           |                           |
|---------------------------|---------------------------|
| <b>Molecular weight</b>   | No test data available    |
| <b>Molecular formula</b>  | Not applicable (mixture)  |
| <b>Percent volatility</b> | 28.6 % <i>Calculated.</i> |

NOTE: The physical data presented above are typical values and should not be construed as a specification.

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## 10. STABILITY AND REACTIVITY

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**Reactivity:** No data available

**Chemical stability:** Stable.

**Possibility of hazardous reactions:** Polymerization will not occur.

**Conditions to avoid:** Some components of this product can decompose at elevated temperatures.

**Incompatible materials:** Avoid contact with: Strong acids. Strong bases. Strong oxidizers. Strong reducing agents.

**Hazardous decomposition products:** Decomposition products depend upon temperature, air supply and the presence of other materials..

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## 11. TOXICOLOGICAL INFORMATION

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*Toxicological information appears in this section when such data are available.*

### Information on likely routes of exposure

Ingestion, Inhalation, Skin contact, Eye contact.

**Acute toxicity (represents short term exposures with immediate effects - no chronic/delayed effects known unless otherwise noted)**

#### Acute Toxicity Endpoints:

Not classified based on available information.

#### Acute oral toxicity

##### Information for the Product:

Low toxicity if swallowed. Small amounts swallowed incidentally as a result of normal handling operations are not likely to cause injury; however, swallowing larger amounts may cause injury.

Based on product testing:

LD50, Rat, female, > 3,730 mg/kg

Based on product testing:

LD50, Rat, male, > 4,000 mg/kg

##### Information for components:

**Glucose, decyl octyl ethers, oligomeric**

Typical for this family of materials. LD50, Rat, > 3,000 mg/kg

**Octanol**

LD50, Rat, male and female, > 5,000 mg/kg No deaths occurred at this concentration.

**Decan-1-ol**

LD50, Rat, female, > 5,000 mg/kg

**Acute dermal toxicity**

**Information for the Product:**

Prolonged skin contact is unlikely to result in absorption of harmful amounts.

Based on product testing:

LD50, Rabbit, > 8,000 mg/kg

**Information for components:**

**Glucose, decyl octyl ethers, oligomeric**

Based on information for a similar material: LD50, Rabbit, > 5,000 mg/kg

**Octanol**

LD50, Rabbit, male and female, > 2,000 - < 4,000 mg/kg

**Decan-1-ol**

LD50, Rat, male and female, > 5,000 mg/kg

**Acute inhalation toxicity**

**Information for the Product:**

Prolonged excessive exposure may cause adverse effects. Excessive exposure may cause irritation to upper respiratory tract (nose and throat).

As product: The LC50 has not been determined.

**Information for components:**

**Glucose, decyl octyl ethers, oligomeric**

The LC50 has not been determined.

**Octanol**

The LC50 has not been determined.

**Decan-1-ol**

Prolonged excessive exposure may cause adverse effects. Excessive exposure may cause irritation to upper respiratory tract (nose and throat) and lungs.

LC50, Rat, male and female, 4 Hour, vapour, > 2.05 mg/l No deaths occurred at this concentration. The LC50 value is greater than the Maximum Attainable Concentration.

LC50, Rat, male and female, 1 Hour, dust/mist, > 71 mg/l

### **Skin corrosion/irritation**

Not classified based on available information.

#### **Information for the Product:**

Based on product testing:

Brief contact may cause slight skin irritation with local redness.

#### **Information for components:**

##### **Glucose, decyl octyl ethers, oligomeric**

Brief contact may cause slight skin irritation with local redness.

Aqueous solutions may cause more severe effects including burns.

##### **Octanol**

Brief contact may cause slight skin irritation with local redness.

##### **Decan-1-ol**

Brief contact may cause slight skin irritation with local redness.

### **Serious eye damage/eye irritation**

Causes serious eye damage.

#### **Information for the Product:**

Based on product testing:

May cause severe irritation with corneal injury which may result in permanent impairment of vision, even blindness. Chemical burns may occur.

#### **Information for components:**

##### **Glucose, decyl octyl ethers, oligomeric**

May cause severe irritation with corneal injury which may result in permanent impairment of vision, even blindness. Chemical burns may occur.

##### **Octanol**

May cause moderate eye irritation which may be slow to heal.

May cause moderate corneal injury.

##### **Decan-1-ol**

May cause moderate eye irritation.

May cause slight corneal injury.

### **Sensitization**

#### **For skin sensitization:**

Not classified based on available information.

#### **For respiratory sensitization:**

Not classified based on available information.



**Information for the Product:**

For skin sensitization:  
No relevant data found.

For respiratory sensitization:  
No relevant data found.

**Information for components:**

**Glucose, decyl octyl ethers, oligomeric**

For skin sensitization:  
No relevant data found.

For respiratory sensitization:  
No relevant data found.

**Octanol**

Did not cause allergic skin reactions when tested in humans.

For respiratory sensitization:  
No relevant data found.

**Decan-1-ol**

Did not cause allergic skin reactions when tested in guinea pigs.

For respiratory sensitization:  
No relevant data found.

**Specific Target Organ Systemic Toxicity (Single Exposure)**

Not classified based on available information.

**Information for the Product:**

Product test data not available.

**Information for components:**

**Glucose, decyl octyl ethers, oligomeric**

Available data are inadequate to determine single exposure specific target organ toxicity.

**Octanol**

Evaluation of available data suggests that this material is not an STOT-SE toxicant.

**Decan-1-ol**

Evaluation of available data suggests that this material is not an STOT-SE toxicant.

**Aspiration Hazard**

Not classified based on available information.

**Information for the Product:**

Based on physical properties, not likely to be an aspiration hazard.

**Information for components:**

**Glucose, decyl octyl ethers, oligomeric**

Based on physical properties, not likely to be an aspiration hazard.

**Octanol**

Based on available information, aspiration hazard could not be determined.

**Decan-1-ol**

May be harmful if swallowed and enters airways.

**Chronic toxicity (represents longer term exposures with repeated dose resulting in chronic/delayed effects - no immediate effects known unless otherwise noted)**

**Specific Target Organ Systemic Toxicity (Repeated Exposure)**

Not classified based on available information.

**Information for the Product:**

For this family of materials:

Based on available data, repeated exposures are not anticipated to cause significant adverse effects.

**Information for components:**

**Glucose, decyl octyl ethers, oligomeric**

For this family of materials:

Based on available data, repeated exposures are not anticipated to cause significant adverse effects.

**Octanol**

Based on available data, repeated exposures are not anticipated to cause significant adverse effects.

**Decan-1-ol**

For similar material(s):

Based on available data, repeated exposures are not anticipated to cause significant adverse effects.

**Carcinogenicity**

Not classified based on available information.

**Information for the Product:**

Product test data not available.

**Information for components:**

**Glucose, decyl octyl ethers, oligomeric**

No relevant data found.

**Octanol**

Did not cause cancer in laboratory animals.

**Decan-1-ol**

No relevant data found.

**Teratogenicity**

Not classified based on available information.

**Information for the Product:**

Product test data not available.

**Information for components:**

**Glucose, decyl octyl ethers, oligomeric**

No relevant data found.

**Octanol**

Did not cause birth defects or other effects in the fetus even at doses which caused toxic effects in the mother.

**Decan-1-ol**

Did not cause birth defects or any other fetal effects in laboratory animals.

**Reproductive toxicity**

Not classified based on available information.

**Information for the Product:**

Product test data not available.

**Information for components:**

**Glucose, decyl octyl ethers, oligomeric**

No relevant data found.

**Octanol**

In animal studies, did not interfere with fertility.

**Decan-1-ol**

For similar material(s): In animal studies, did not interfere with reproduction.

**Mutagenicity**

Not classified based on available information.

**Information for the Product:**

For this family of materials: In vitro genetic toxicity studies were negative.

**Information for components:**

**Glucose, decyl octyl ethers, oligomeric**

For this family of materials: In vitro genetic toxicity studies were negative.

**Octanol**

In vitro genetic toxicity studies were negative. Animal genetic toxicity studies were negative.

**Decan-1-ol**

For similar material(s): In vitro genetic toxicity studies were negative. Animal genetic toxicity studies were negative.

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## 12. ECOLOGICAL INFORMATION

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*Ecotoxicological information appears in this section when such data are available.*

**Toxicity****Acute toxicity to fish**

Material is practically non-toxic to aquatic organisms on an acute basis (LC50/EC50/EL50/LL50 >100 mg/L in the most sensitive species tested).

For this family of materials:

LC50, Pimephales promelas (fathead minnow), static test, 96 Hour, 198 mg/l, OECD Test Guideline 203 or Equivalent

**Acute toxicity to aquatic invertebrates**

For this family of materials:

LC50, copepod *Acartia tonsa*, 48 Hour, 17 mg/l

For this family of materials:

EC50, *Daphnia magna* (Water flea), static test, 48 Hour, 280 mg/l, OECD Test Guideline 202 or Equivalent

**Acute toxicity to algae/aquatic plants**

For this family of materials:

EC50, *Skeletonema costatum* (marine diatom), 72 Hour, Growth rate inhibition, 21 mg/l

**Persistence and degradability**

**Biodegradability:** Material is readily biodegradable. Passes OECD test(s) for ready biodegradability.

10-day Window: Not applicable

**Biodegradation:** > 60 %

**Exposure time:** 28 d

**Method:** OECD Test Guideline 301F or Equivalent

**Bioaccumulative potential**

**Bioaccumulation:** No relevant data found.

**Mobility in soil**

No relevant data found.

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### 13. DISPOSAL CONSIDERATIONS

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**Disposal methods:** DO NOT DUMP INTO ANY SEWERS, ON THE GROUND, OR INTO ANY BODY OF WATER. All disposal practices must be in compliance with all Federal, State/Provincial and local laws and regulations. Regulations may vary in different locations. Waste characterizations and compliance with applicable laws are the responsibility of the waste generator. AS YOUR SUPPLIER, WE HAVE NO CONTROL OVER THE MANAGEMENT PRACTICES OR MANUFACTURING PROCESSES OF PARTIES HANDLING OR USING THIS MATERIAL. THE INFORMATION PRESENTED HERE PERTAINS ONLY TO THE PRODUCT AS SHIPPED IN ITS INTENDED CONDITION AS DESCRIBED IN SDS SECTION 1: Identified Uses. FOR UNUSED & UNCONTAMINATED PRODUCT, the preferred options include sending to a licensed, permitted: Incinerator or other thermal destruction device. Waste water treatment system.

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### 14. TRANSPORT INFORMATION

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**TDG**

Not regulated for transport

**Classification for SEA transport (IMO-IMDG):**

Not regulated for transport

**Transport in bulk  
according to Annex I or II  
of MARPOL 73/78 and the  
IBC or IGC Code**

Consult IMO regulations before transporting ocean bulk

**Classification for AIR transport (IATA/ICAO):**

Not regulated for transport

This information is not intended to convey all specific regulatory or operational requirements/information relating to this product. Transportation classifications may vary by container volume and may be influenced by regional or country variations in regulations. Additional transportation system information can be obtained through an authorized sales or customer service representative. It is the responsibility of the transporting organization to follow all applicable laws, regulations and rules relating to the transportation of the material.

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### 15. REGULATORY INFORMATION

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**Canadian Domestic Substances List (DSL)**

All substances contained in this product are listed on the Canadian Domestic Substances List (DSL) or are not required to be listed.

## 16. OTHER INFORMATION

### Product Literature

Additional information on this and other products may be obtained by visiting our web page.  
Additional information on this product may be obtained by calling your sales or customer service contact. Ask for a product brochure.

### Hazard Rating System

#### NFPA

| Health | Flammability | Instability |
|--------|--------------|-------------|
| 3      | 1            | 0           |

### Revision

Identification Number: 166522 / A208 / Issue Date: 01/02/2024 / Version: 8.0

Most recent revision(s) are noted by the bold, double bars in left-hand margin throughout this document.

### Legend

|         |                                                     |
|---------|-----------------------------------------------------|
| TWA     | 8-hr TWA                                            |
| US WEEL | USA. Workplace Environmental Exposure Levels (WEEL) |

### Full text of other abbreviations

AIIC - Australian Inventory of Industrial Chemicals; ASTM - American Society for the Testing of Materials; bw - Body weight; CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DOT - Department of Transportation; DSL - Domestic Substances List (Canada); ECx - Concentration associated with x% response; EHS - Extremely Hazardous Substance; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; ERG - Emergency Response Guide; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; HMIS - Hazardous Materials Identification System; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; MSHA - Mine Safety and Health Administration; n.o.s. - Not Otherwise Specified; NFPA - National Fire Protection Association; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NTP - National Toxicology Program; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; RCRA - Resource Conservation and Recovery Act; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RQ - Reportable Quantity; SADT - Self-Accelerating Decomposition Temperature; SARA - Superfund Amendments and Reauthorization Act; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; TECL - Thailand Existing Chemicals Inventory; TSCA - Toxic Substances Control Act (United States); UN - United Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative

**Information Source and References**

This SDS is prepared by Product Regulatory Services and Hazard Communications Groups from information supplied by internal references within our company.

DOW CHEMICAL CANADA ULC urges each customer or recipient of this (M)SDS to study it carefully and consult appropriate expertise, as necessary or appropriate, to become aware of and understand the data contained in this (M)SDS and any hazards associated with the product. The information herein is provided in good faith and believed to be accurate as of the effective date shown above. However, no warranty, express or implied, is given. Regulatory requirements are subject to change and may differ between various locations. It is the buyer's/user's responsibility to ensure that his activities comply with all federal, state, provincial or local laws. The information presented here pertains only to the product as shipped. Since conditions for use of the product are not under the control of the manufacturer, it is the buyer's/user's duty to determine the conditions necessary for the safe use of this product. Due to the proliferation of sources for information such as manufacturer-specific (M)SDSs, we are not and cannot be responsible for (M)SDSs obtained from any source other than ourselves. If you have obtained an (M)SDS from another source or if you are not sure that the (M)SDS you have is current, please contact us for the most current version.

CA