SAFETY DATA SHEET
DOW CHEMICAL CANADA ULC

Product name: EcoSense™ 919 Surfactant

Issue Date: 04/22/2025
Print Date: 05/20/2025

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.

1. IDENTIFICATION

Product name: EcoSense™ 919 Surfactant

Other means of identification: No data available

Recommended use of the chemical and restrictions on use
Identified uses: Multi-purpose surfactant. We recommend that you use this product in a manner consistent with the listed use. If your intended use is not consistent with the stated use, please contact your sales or technical service representative.

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

2. HAZARDS IDENTIFICATION

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).
Skin irritation - Category 2
Serious eye damage - Category 1

Label elements
Hazard pictograms

Signal word: **DANGER!**

Hazards

H315	Causes skin irritation.
H318	Causes serious eye damage.

Precautionary statements

Prevention

P264	Wash skin thoroughly after handling.
P280	Wear protective gloves, eye protection and face protection.

Response

P302 + P352	IF ON SKIN: Wash with plenty of water.
P305 + P351 + P338 + P310	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.
P332 + P313	If skin irritation occurs: Get medical attention.
P362 + P364	Take off contaminated clothing and wash it before reuse.

Other hazards

No data available

3. COMPOSITION/INFORMATION ON INGREDIENTS

This product is a mixture.

Chemical name	Common name and synonym	CASRN	Concentration (w/w)
Water	Water	7732-18-5	49.0 - <= 51.0 %
D-Glucopyranose, Oligomeric, C10-16-Alkyl Glycosides	D-Glucopyranose, oligomeric, C10-16-alkyl glycosides	110615-47-9	>= 24.0 - <= 26.0 %
D-Glucopyranose, oligomeric, decyl octyl glycoside	D-Glucopyranose, oligomeric, decyl octyl glycoside	68515-73-1	>= 24.0 - <= 26.0 %

4. FIRST AID MEASURES

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: No emergency medical treatment necessary.

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: Rinse mouth with water. No emergency medical treatment necessary.

Most important symptoms and effects, both acute and delayed:
Causes skin irritation. 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.

5. FIREFIGHTING MEASURES

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..

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures: Evacuate area. Use appropriate safety equipment. For additional information, refer to Section 8, Exposure Controls and Personal Protection. Spilled material may cause a slipping hazard. Refer to section 7, Handling, for additional precautionary measures. Only trained and properly protected personnel must be involved in clean-up operations. Keep upwind of spill. Ventilate area of leak or spill. Keep personnel out of low areas.

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.

7. HANDLING AND STORAGE

Precautions for safe handling: Avoid contact with eyes, skin, and clothing. Wash thoroughly after handling. See Section 8, EXPOSURE CONTROLS AND PERSONAL PROTECTION. Avoid breathing vapor. Use with adequate ventilation. Keep container closed.

Conditions for safe storage: No specific requirements. Additional storage and handling information on this product may be obtained by calling your sales or customer service contact.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

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.

Exposure controls
Engineering controls: Use local exhaust ventilation, or other engineering controls to maintain airborne levels below exposure limit requirements or guidelines. If there are no applicable exposure limit requirements or guidelines, general ventilation should be sufficient for most 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. Nitrile/butadiene rubber ("nitrile" or "NBR"). Polyethylene. Ethyl vinyl

alcohol laminate ("EVAL"). Polyvinyl chloride ("PVC" or "vinyl"). Viton. Examples of acceptable glove barrier materials include: Chlorinated polyethylene. 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: Under intended handling conditions, no respiratory protection should be needed.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	
Physical state	liquid
Color	Yellow
Odor	Odorless to mild
Odor Threshold	No test data available
pH	11.5 - 12.5 *Vendor*
Melting point/freezing point	
Melting point/ range	Not applicable to liquids
Freezing point	No test data available
Boiling point, initial boiling point and boiling range	
Boiling point (760 mmHg)	No test data available
Flash point	**closed cup** >100 °C *Vendor*
Evaporation Rate (Butyl Acetate = 1)	No test data available
Flammability	
Flammability (solid, gas)	Not Applicable
Flammability (liquids)	Not expected to be a static-accumulating flammable liquid.
Upper/lower flammability or explosive limits	
Lower explosion limit	No test data available
Upper explosion limit	No test data available
Vapor Pressure	No test data available
Relative vapour density	
Relative Vapor Density (air = 1)	No test data available
Density and / or relative density	
Relative Density (water = 1)	1.07 *Literature*
Solubility(ies)	
Water solubility	soluble
Partition coefficient: n-octanol/water (log value)	No data available

Auto-ignition temperature	No test data available
Decomposition temperature	No test data available
Kinematic Viscosity	2.000 - 3.000 cSt at 20 °C *Literature*
Explosive properties	No data available
Oxidizing properties	No data available
Molecular weight	No test data available
Particle characteristics	
Particle size	No data available

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

10. STABILITY AND REACTIVITY

Reactivity: No data available

Chemical stability: Stable under recommended storage conditions. See Storage, Section 7.

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 oxidizers.

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

11. TOXICOLOGICAL INFORMATION

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:

Very low toxicity if swallowed. Harmful effects not anticipated from swallowing small amounts.

Typical for this family of materials.
LD50, Rat, > 5,000 mg/kg

Information for components:

D-Glucopyranose, Oligomeric, C10-16-Alkyl Glycosides
LD50, Rat, male and female, > 5,000 mg/kg OECD 401 or equivalent

D-Glucopyranose, oligomeric, decyl octyl glycoside
Typical for this family of materials. LD50, Rat, > 3,000 mg/kg

Acute dermal toxicity

Information for the Product:

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

Typical for this family of materials.
LD50, Rabbit, > 5,000 mg/kg

Information for components:

D-Glucopyranose, Oligomeric, C10-16-Alkyl Glycosides
LD50, Rabbit, male and female, > 2,000 mg/kg OECD Test Guideline 402 No deaths occurred at this concentration.

D-Glucopyranose, oligomeric, decyl octyl glycoside
Typical for this family of materials. LD50, Rabbit, > 5,000 mg/kg

Acute inhalation toxicity

Information for the Product:

Vapors are primarily water; single exposure is not likely to be hazardous.

As product: The LC50 has not been determined.

Information for components:

D-Glucopyranose, Oligomeric, C10-16-Alkyl Glycosides
The LC50 has not been determined.

D-Glucopyranose, oligomeric, decyl octyl glycoside
The LC50 has not been determined.

Skin corrosion/irritation

Causes skin irritation.

Information for the Product:

Based on product testing:
Brief contact may cause slight skin irritation with local redness.

Information for components:

D-Glucopyranose, Oligomeric, C10-16-Alkyl Glycosides
Brief contact may cause moderate skin irritation with local redness.

D-Glucopyranose, oligomeric, decyl octyl glycoside
Brief contact may cause slight skin irritation with local redness.
Aqueous solutions may cause more severe effects including burns.

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:

D-Glucopyranose, Oligomeric, C10-16-Alkyl Glycosides
May cause severe irritation with corneal injury which may result in permanent impairment of vision, even blindness. Chemical burns may occur.

D-Glucopyranose, oligomeric, decyl octyl glycoside
May cause severe irritation with corneal injury which may result in permanent impairment of vision, even blindness. Chemical burns may occur.

Sensitization

For skin sensitization:
Not classified based on available information.

For respiratory sensitization:
Not classified based on available information.

Information for the Product:

For this family of materials:
Did not cause allergic skin reactions when tested in guinea pigs.

For respiratory sensitization:
No relevant data found.

Information for components:

D-Glucopyranose, Oligomeric, C10-16-Alkyl Glycosides
For skin sensitization:
Did not cause allergic skin reactions when tested in guinea pigs.

For respiratory sensitization:
Relevant data not available.

D-Glucopyranose, oligomeric, decyl octyl glycoside
For skin sensitization:

No relevant data found.

For respiratory sensitization:
No relevant data found.

Specific Target Organ Systemic Toxicity (Single Exposure)

Not classified based on available information.

Information for the Product:

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

Information for components:

D-Glucopyranose, Oligomeric, C10-16-Alkyl Glycosides
Evaluation of available data suggests that this material is not an STOT-SE toxicant.

D-Glucopyranose, oligomeric, decyl octyl glycoside
Available data are inadequate to determine single exposure specific target organ toxicity.

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:

D-Glucopyranose, Oligomeric, C10-16-Alkyl Glycosides
Based on physical properties, not likely to be an aspiration hazard.

D-Glucopyranose, oligomeric, decyl octyl glycoside
Based on physical properties, not likely to be an aspiration hazard.

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:

D-Glucopyranose, Oligomeric, C10-16-Alkyl Glycosides
Based on available data, repeated exposures are not anticipated to cause additional significant adverse effects.

D-Glucopyranose, oligomeric, decyl octyl glycoside
For this family of materials:
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:

D-Glucopyranose, Oligomeric, C10-16-Alkyl Glycosides
Relevant data not available.

D-Glucopyranose, oligomeric, decyl octyl glycoside
No relevant data found.

Teratogenicity

Not classified based on available information.

Information for the Product:

For this family of materials: Did not cause birth defects or any other fetal effects in laboratory animals.

Information for components:

D-Glucopyranose, Oligomeric, C10-16-Alkyl Glycosides
Did not cause birth defects or any other fetal effects in laboratory animals.

D-Glucopyranose, oligomeric, decyl octyl glycoside
No relevant data found.

Reproductive toxicity

Not classified based on available information.

Information for the Product:

For this family of materials: In animal studies, did not interfere with reproduction.

Information for components:

D-Glucopyranose, Oligomeric, C10-16-Alkyl Glycosides
In animal studies, did not interfere with reproduction. In animal studies, did not interfere with fertility.

D-Glucopyranose, oligomeric, decyl octyl glycoside
No relevant data found.

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:

D-Glucopyranose, Oligomeric, C10-16-Alkyl Glycosides
In vitro genetic toxicity studies were negative. Animal genetic toxicity studies were negative.

D-Glucopyranose, oligomeric, decyl octyl glycoside
For this family of materials: In vitro genetic toxicity studies were negative.

12. ECOLOGICAL INFORMATION

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

Toxicity

D-Glucopyranose, Oligomeric, C10-16-Alkyl Glycosides

Acute toxicity to fish
Material is moderately toxic to aquatic organisms on an acute basis (LC50/EC50 between 1 and 10 mg/L in the most sensitive species tested).
LC50, Zebra fish (Danio/Brachydanio rerio), semi-static test, 96 Hour, 2.95 mg/l, OECD Test Guideline 203 or Equivalent

Acute toxicity to aquatic invertebrates
EC50, Daphnia magna (Water flea), Static, 48 Hour, 14 mg/l, OECD Test Guideline 202 or Equivalent

Acute toxicity to algae/aquatic plants
ErC50, Desmodesmus subspicatus (green algae), Static, 72 Hour, Growth rate, 25 mg/l, OECD Test Guideline 201 or Equivalent
EC10, Desmodesmus subspicatus (green algae), Static, 72 Hour, Growth rate, 4.15 mg/l, OECD Test Guideline 201 or Equivalent

Toxicity to bacteria
EC0, Pseudomonas putida, Static, 16 Hour, Respiration rates., 10,000 mg/l, DIN 38 412 Part 8

Chronic toxicity to fish
NOEC, Danio rerio (zebra fish), flow-through, 28 d, mortality, 5.6 mg/l

Chronic toxicity to aquatic invertebrates
NOEC, Daphnia magna (Water flea), semi-static test, 21 d, mortality, 2 mg/l

D-Glucopyranose, oligomeric, decyl octyl glycoside

Acute toxicity to fish

Material is slightly toxic to aquatic organisms on an acute basis (LC50/EC50 between 10 and 100 mg/L in the most sensitive species tested).
For this family of materials:
LC50, Zebra fish (Danio/Brachydanio rerio), 96 Hour, > 100 mg/l, Estimated.

Acute toxicity to aquatic invertebrates
For this family of materials:
EC50, Daphnia magna (Water flea), static test, 48 Hour, 150 mg/l, OECD Test Guideline 202 or Equivalent

Acute toxicity to algae/aquatic plants
For this family of materials:
ErC50, Desmodesmus subspicatus (green algae), 72 Hour, Growth rate inhibition, 37 mg/l, OECD Test Guideline 201 or Equivalent

Persistence and degradability

D-Glucopyranose, Oligomeric, C10-16-Alkyl Glycosides
Biodegradability: Material is readily biodegradable. Passes OECD test(s) for ready biodegradability.
10-day Window: Pass
Biodegradation: > 60 %
Exposure time: 28 d
Method: OECD Test Guideline 301D or Equivalent

D-Glucopyranose, oligomeric, decyl octyl glycoside
Biodegradability: For this family of materials: Material is readily biodegradable. Passes OECD test(s) for ready biodegradability. Material is ultimately biodegradable under anaerobic conditions, according to the relevant OECD test(s).
10-day Window: Not applicable
Biodegradation: > 70 %
Exposure time: 28 d
Method: OECD Test Guideline 303A or Equivalent
10-day Window: Not applicable
Biodegradation: > 60 %
Exposure time: 28 d
Method: OECD Test Guideline 301F or Equivalent
10-day Window: Not applicable
Biodegradation: > 60 %
Exposure time: 35 d
Method: OECD 311 Test

Bioaccumulative potential

D-Glucopyranose, Oligomeric, C10-16-Alkyl Glycosides
Bioaccumulation: Bioconcentration potential is low (BCF < 100 or Log Pow < 3).
Partition coefficient: n-octanol/water(log Pow): < -0.07 Estimated by Structure-Activity Relationship (SAR).

D-Glucopyranose, oligomeric, decyl octyl glycoside
Bioaccumulation: Bioconcentration potential is low (BCF < 100 or Log Pow < 3).
Partition coefficient: n-octanol/water(log Pow): Pow: 1.72 EU Method A.8 (Partition Coefficient)

Mobility in soil

D-Glucopyranose, Oligomeric, C10-16-Alkyl Glycosides

No relevant data found.

D-Glucopyranose, oligomeric, decyl octyl glycoside

No relevant data found.

13. DISPOSAL CONSIDERATIONS

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: Waste water treatment system.

14. TRANSPORT INFORMATION

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.

15. REGULATORY INFORMATION

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 product may be obtained by calling your sales or customer service contact. Ask for a product brochure.

Revision
Identification Number: 11040672 / A208 / Issue Date: 04/22/2025 / Version: 4.0

In case this version of the SDS contains significant changes from the previous version, they are listed below or noted by bold, double bars in the left-hand margin throughout this document.
Changes encompass identification, hazards, tox/eco-tox information and the addition/removal of the ingredients, and regulatory information, hazard information, uses, risk management measures and other key regulatory changes of the product. Detailed explanation of the changes can be obtained upon request.

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; TECI - 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 informationherein is provided in good faith and believed to be accurate as of the effective date shown above. However, no warranty, express orimplied, 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