



# SAFETY DATA SHEET

## DOW CHEMICAL CANADA ULC

**Product name:** DOWSIL™ 2503 Cosmetic Wax

**Issue Date:** 07/15/2024

**Print Date:** 07/16/2024

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:** DOWSIL™ 2503 Cosmetic Wax

**Other means of identification:** Siloxanes and Silicones, di-Me, Me stearyl

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

**Identified uses:** Intermediate Cosmetics Softeners Additives

**Uses advised against:** Some restrictions apply for use in Canada; see section 15 for further details.

**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 not hazardous under the criteria of the Hazardous Products Regulation (HPR) as implemented under the Workplace Hazardous Materials Information System (WHMIS 2015).

**Label elements**

**Precautionary statements**

**Prevention**

- |      |                                                                                                |
|------|------------------------------------------------------------------------------------------------|
| P210 | Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. |
| P234 | Keep only in original packaging.                                                               |

**Storage**

P403

Store in a well-ventilated place.

**Other hazards**

May generate flammable hydrogen gas. Avoid contact with water, alcohols, acidic, basic, or oxidizing materials.

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**3. COMPOSITION/INFORMATION ON INGREDIENTS**

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**Synonyms:** Siloxanes and Silicones, di-Me, Me stearyl

This product is a substance.

**Substance name:** Dimethyl, methyloctadecyl siloxane

**CASRN:** 67762-83-8

| Chemical name         | Common name and synonym   | CASRN       | Concentration (w/w) |
|-----------------------|---------------------------|-------------|---------------------|
| Octadecene            | octadec-1-ene             | 112-88-9    | >= 7.0 - <= 9.0 %   |
| 2-Hexyl-1-dodecene    | Heptadecane, 7-methylene- | 51655-67-5  | >= 3.0 - <= 4.0 %   |
| 2-Butyl-1-tetradecene | Heptadecane, 5-methylene- | 57557-53-6  | >= 3.0 - <= 4.0 %   |
| 2-Ethyl-1-hexadecene  | Heptadecane, 3-methylene- | 128057-44-3 | >= 3.0 - <= 4.0 %   |
| 2-Octyl-1-decene      | Heptadecane, 9-methylene- | 51655-66-4  | >= 1.8 - <= 2.2 %   |

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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.

**Skin contact:** Wash off with plenty of water.

**Eye contact:** Flush eyes thoroughly with water for several minutes. Remove contact lenses after the initial 1-2 minutes and continue flushing for several additional minutes. If effects occur, consult a physician, preferably an ophthalmologist.

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

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

Aside from the information found under Description of first aid measures (above) and Indication of immediate medical attention and special treatment needed (below), any additional important symptoms and effects are described in Section 11: Toxicology Information.

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

**Notes to physician:** May cause asthma-like (reactive airways) symptoms. Bronchodilators, expectorants, antitussives and corticosteroids may be of help. No specific antidote. Treatment of exposure should be directed at the control of symptoms and the clinical condition of the patient. Repeated excessive exposure may aggravate preexisting lung disease. Skin contact may aggravate preexisting dermatitis.

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## 5. FIREFIGHTING MEASURES

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**Extinguishing media**

**Suitable extinguishing media:** Alcohol-resistant foam. Carbon dioxide (CO<sub>2</sub>). Water spray.

**Unsuitable extinguishing media:** Dry chemical.

**Special hazards arising from the substance or mixture**

**Hazardous combustion products:** Carbon oxides. Silicon oxides. Formaldehyde.

**Unusual Fire and Explosion Hazards:** Applying foam will release significant amounts of hydrogen gas that can be trapped under the foam blanket.. Exposure to combustion products may be a hazard to health..

**Advice for firefighters**

**Fire Fighting Procedures:** Use water spray to cool unopened containers.. Evacuate area.. Collect contaminated fire extinguishing water separately. This must not be discharged into drains.. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations..

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. Do not allow extinguishing medium to contact container contents. Most fire extinguishing media will cause hydrogen evolution, and once the fire is put out, may accumulate in poorly ventilated or confined areas and result in flash fire or explosion if ignited. Remove undamaged containers from fire area if it is safe to do so.

**Special protective equipment for firefighters:** Wear self-contained breathing apparatus for firefighting if necessary.. Use personal protective equipment..

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## 6. ACCIDENTAL RELEASE MEASURES

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**Personal precautions, protective equipment and emergency procedures:** Follow safe handling advice and personal protective equipment recommendations.

**Environmental precautions:** Discharge into the environment must be avoided. Prevent further leakage or spillage if safe to do so. Retain and dispose of contaminated wash water. Local authorities should be advised if significant spillages cannot be contained.

**Methods and materials for containment and cleaning up:** Wipe up or scrape up and contain for salvage or disposal. Local or national regulations may apply to releases and disposal of this material, as well as those materials and items employed in the cleanup of releases. You will need to determine which regulations are applicable. For large spills, provide dyking or other appropriate containment to keep material from spreading. If dyked material can be pumped, store recovered material in appropriate container. Materials in contact with water, moisture, acids or bases have the potential to generate hydrogen gas. Recovered material should be stored in a vented container. The vent must prevent the ingress of water as further reaction with spilled materials can take place which could lead to overpressurization of the container.

See sections: 7, 8, 11, 12 and 13.

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## 7. HANDLING AND STORAGE

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**Precautions for safe handling:** Keep away from water. Protect from moisture. Take care to prevent spills, waste and minimize release to the environment. Handle in accordance with good industrial hygiene and safety practice.

Use only with adequate ventilation. See Engineering measures under EXPOSURE CONTROLS/PERSONAL PROTECTION section.

**Conditions for safe storage:** Keep in properly labelled containers. Store in original container. Product may evolve minute quantities of flammable hydrogen gas which can accumulate. Adequately ventilate to maintain vapors well below flammability limits and exposure guidelines. Do not repackage. Clogged container vents may increase pressure build up. Store in accordance with the particular national regulations. Store in a closed container.

Do not store with the following product types: Strong oxidizing agents.

Unsuitable materials for containers: Do not store in or use containers except the original product package.

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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.

### 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 safety glasses (with side shields). If exposure causes eye discomfort, use a full-face respirator.

#### Skin protection

**Hand protection:** Use gloves chemically resistant to this material when prolonged or frequently repeated contact could occur. Examples of preferred glove barrier materials include: Chlorinated polyethylene. Neoprene. Nitrile/butadiene rubber ("nitrile" or "NBR"). Polyethylene. Ethyl vinyl alcohol laminate ("EVAL"). Polyvinyl alcohol ("PVA"). Polyvinyl chloride ("PVC" or "vinyl"). Viton. Examples of acceptable

glove barrier materials include: Butyl rubber. 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:** Wear clean, body-covering clothing.

**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 Wax.

Color white

Odor none

Odor Threshold No data available

pH Not applicable

### Melting point/freezing point

Melting point/ range No data available

Freezing point No data available

### Boiling point, initial boiling point and boiling range

Boiling point (760 mmHg) Not applicable

Flash point closed cup >100 °C

Evaporation Rate (Butyl Acetate = 1) Not applicable

### Flammability

Flammability (solid, gas) Not classified as a flammability hazard

Flammability (liquids) No data available

### Upper/lower flammability or explosive limits

Lower explosion limit No data available

Upper explosion limit No data available

Vapor Pressure Not applicable

### Relative vapour density

Relative Vapor Density (air = 1) No data available

### Density and / or relative density

Relative Density (water = 1) 0.85

### Solubility(ies)

Water solubility No data available

|                                                    |                                                          |
|----------------------------------------------------|----------------------------------------------------------|
| Partition coefficient: n-octanol/water (log value) | No data available                                        |
| Auto-ignition temperature                          | No data available                                        |
| Decomposition temperature                          | No data available                                        |
| Dynamic Viscosity                                  | Not applicable                                           |
| Kinematic Viscosity                                | Not applicable                                           |
| Explosive properties                               | Not explosive                                            |
| Oxidizing properties                               | The substance or mixture is not classified as oxidizing. |
| Molecular weight                                   | No 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.

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## 10. STABILITY AND REACTIVITY

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**Reactivity:** Not classified as a reactivity hazard.

**Chemical stability:** Stable under normal conditions.

**Possibility of hazardous reactions:** Can react with strong oxidizing agents. Product may evolve flammable hydrogen gas on contact with water, alcohols, acidic or basic materials, many metals or metallic compounds and can form explosive mixtures in air. Hazardous decomposition products will be formed at elevated temperatures.

**Conditions to avoid:** Exposure to moisture

**Incompatible materials:** Avoid contact with oxidizing materials.

**Hazardous decomposition products:**

Decomposition products can include and are not limited to: Formaldehyde.

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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**

Eye contact, Skin contact, Ingestion.

**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.

As product: Single dose oral LD50 has not been determined.

Based on information for component(s):  
LD50, > 5,000 mg/kg Estimated.

**Information for components:****Octadecene**

For this family of materials: LD50, Rat, male and female, > 5,000 mg/kg OECD Test Guideline 420

**2-Hexyl-1-dodecene**

Single dose oral LD50 has not been determined.

Based on data from similar materials LD50, Rat, > 5,000 mg/kg

**2-Butyl-1-tetradecene**

LD50, Rat, > 3,575 mg/kg Fixed Dose Method

**2-Ethyl-1-hexadecene**

Single dose oral LD50 has not been determined.

Based on data from similar materials LD50, Rat, > 5,000 mg/kg

**2-Octyl-1-decene**

Single dose oral LD50 has not been determined.

For similar material(s): LD50, Rat, > 5,000 mg/kg OECD Test Guideline 401

**Acute dermal toxicity****Information for the Product:**

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

As product: The dermal LD50 has not been determined.

Based on information for component(s):  
LD50, Rabbit, > 2,000 mg/kg Estimated.

**Information for components:****Octadecene**

For this family of materials: LD50, Rabbit, male and female, > 2,000 mg/kg OECD 402 or equivalent No deaths occurred at this concentration.

**2-Hexyl-1-dodecene**

The dermal LD50 has not been determined.

Based on data from similar materials LD50, Rabbit, > 2,000 mg/kg

**2-Butyl-1-tetradecene**

LD50, Rabbit, > 2,000 mg/kg OECD Test Guideline 402

**2-Ethyl-1-hexadecene**

The dermal LD50 has not been determined.

Based on data from similar materials LD50, Rabbit, > 5,000 mg/kg

**2-Octyl-1-decene**

The dermal LD50 has not been determined.

For similar material(s): LD50, Rabbit, > 5,000 mg/kg OECD Test Guideline 402

**Acute inhalation toxicity**

**Information for the Product:**

Prolonged excessive exposure may cause adverse effects. May cause respiratory tract irritation.

As product: The LC50 has not been determined.

**Information for components:**

**Octadecene**

LC50, Rat, male and female, 4 Hour, dust/mist, > 20 mg/l OECD Test Guideline 403

**2-Hexyl-1-dodecene**

The LC50 has not been determined.

**2-Butyl-1-tetradecene**

The LC50 has not been determined.

**2-Ethyl-1-hexadecene**

Based on data from similar materials LC50, Rat, 4 Hour, vapour, > 40 mg/l OECD Test Guideline 403

**2-Octyl-1-decene**

The LC50 has not been determined.

**Skin corrosion/irritation**

Not classified based on available information.

**Information for the Product:**

Based on information for component(s):  
Brief contact is essentially nonirritating to skin.  
May cause drying and flaking of the skin.

**Information for components:**

**Octadecene**

Brief contact is essentially nonirritating to skin.  
May cause drying and flaking of the skin.

**2-Hexyl-1-dodecene**

For similar material(s):  
Brief contact is essentially nonirritating to skin.  
May cause drying and flaking of the skin.  
Repeated exposure may cause skin dryness or cracking.

**2-Butyl-1-tetradecene**

Brief contact is essentially nonirritating to skin.  
May cause drying and flaking of the skin.  
Repeated exposure may cause skin dryness or cracking.

**2-Ethyl-1-hexadecene**

For similar material(s):  
Brief contact is essentially nonirritating to skin.  
May cause drying and flaking of the skin.  
Repeated exposure may cause skin dryness or cracking.

**2-Octyl-1-decene**

For similar material(s):  
Brief contact is essentially nonirritating to skin.  
Prolonged contact may cause slight skin irritation with local redness.

**Serious eye damage/eye irritation**

Not classified based on available information.

**Information for the Product:**

Based on information for component(s):  
May cause slight eye irritation.  
Corneal injury is unlikely.

**Information for components:**

**Octadecene**

May cause slight eye irritation.  
Corneal injury is unlikely.

**2-Hexyl-1-dodecene**

For similar material(s):  
May cause slight eye irritation.  
Corneal injury is unlikely.

**2-Butyl-1-tetradecene**

May cause slight eye irritation.  
Corneal injury is unlikely.

**2-Ethyl-1-hexadecene**

For similar material(s):  
May cause slight eye irritation.

Corneal injury is unlikely.

**2-Octyl-1-decene**

For similar material(s):

May cause slight eye irritation.

Corneal injury is unlikely.

**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:

Contains component(s) which did not cause allergic skin sensitization in guinea pigs.

For respiratory sensitization:

No relevant data found.

**Information for components:**

**Octadecene**

For skin sensitization:

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

For respiratory sensitization:

No relevant data found.

**2-Hexyl-1-dodecene**

Based on data from similar materials

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

For respiratory sensitization:

No relevant data found.

**2-Butyl-1-tetradecene**

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

For respiratory sensitization:

No relevant data found.

**2-Ethyl-1-hexadecene**

Based on data from similar materials

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

For respiratory sensitization:

No relevant data found.

**2-Octyl-1-decene**

For similar material(s):

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:**

##### **Octadecene**

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

##### **2-Hexyl-1-dodecene**

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

##### **2-Butyl-1-tetradecene**

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

##### **2-Ethyl-1-hexadecene**

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

##### **2-Octyl-1-decene**

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:**

##### **Octadecene**

May be fatal if swallowed and enters airways.

##### **2-Hexyl-1-dodecene**

May be fatal if swallowed and enters airways.

##### **2-Butyl-1-tetradecene**

May be fatal if swallowed and enters airways.

##### **2-Ethyl-1-hexadecene**

May be fatal if swallowed and enters airways.

##### **2-Octyl-1-decene**

May be fatal 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:**

Product test data not available.

**Information for components:**

**Octadecene**

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

**2-Hexyl-1-dodecene**

For similar material(s):

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

**2-Butyl-1-tetradecene**

No relevant data found.

**2-Ethyl-1-hexadecene**

For similar material(s):

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

**2-Octyl-1-decene**

For similar material(s):

Kidney effects and/or tumors have been observed in male rats. These effects are believed to be species specific and unlikely to occur in humans.

**Carcinogenicity**

Not classified based on available information.

**Information for the Product:**

Product test data not available.

**Information for components:**

**Octadecene**

No relevant data found.

**2-Hexyl-1-dodecene**

No relevant data found.

**2-Butyl-1-tetradecene**

No relevant data found.

**2-Ethyl-1-hexadecene**

No relevant data found.

**2-Octyl-1-decene**

For similar material(s): Did not cause cancer in laboratory animals.

**Teratogenicity**

Not classified based on available information.

**Information for the Product:**

Product test data not available.

**Information for components:**

**Octadecene**

Did not cause birth defects in laboratory animals.

**2-Hexyl-1-dodecene**

For similar material(s): Did not cause birth defects in laboratory animals.

**2-Butyl-1-tetradecene**

No relevant data found.

**2-Ethyl-1-hexadecene**

No relevant data found.

**2-Octyl-1-decene**

For similar material(s): 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:**

**Octadecene**

In animal studies, did not interfere with reproduction.

**2-Hexyl-1-dodecene**

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

**2-Butyl-1-tetradecene**

No relevant data found.

**2-Ethyl-1-hexadecene**

No relevant data found.

**2-Octyl-1-decene**

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

**Mutagenicity**

Not classified based on available information.

**Information for the Product:**

Product test data not available.

**Information for components:****Octadecene**

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

**2-Hexyl-1-dodecene**

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

**2-Butyl-1-tetradecene**

No relevant data found.

**2-Ethyl-1-hexadecene**

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

**2-Octyl-1-decene**

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****Octadecene****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).  
LC50, Oncorhynchus mykiss (rainbow trout), semi-static test, 96 Hour, > 1,000 mg/l, OECD Test Guideline 203

**Acute toxicity to aquatic invertebrates**

EC50, Daphnia magna (Water flea), 48 Hour, > 1,000 mg/l, OECD Test Guideline 202

**Acute toxicity to algae/aquatic plants**

EL50, Pseudokirchneriella subcapitata (green algae), 72 Hour, Growth rate, > 1,000 mg/l, OECD Test Guideline 201

NOELR, *Pseudokirchneriella subcapitata* (green algae), 72 Hour, Growth rate, > 1,000 mg/l, OECD Test Guideline 201

**Toxicity to bacteria**

EC50, activated sludge, 3 Hour, Respiration rates., > 1,000 mg/l, activated sludge test (OECD 209)

**Chronic toxicity to aquatic invertebrates**

No toxicity at the limit of solubility

NOEC, *Daphnia magna* (Water flea), 21 d, number of offspring, 0.0194 mg/l

**2-Hexyl-1-dodecene****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).

Based on data from similar materials

LC50, *Oncorhynchus mykiss* (rainbow trout), 96 Hour, > 1,000 mg/l, OECD Test Guideline 203

**Acute toxicity to aquatic invertebrates**

Based on data from similar materials

EC50, *Daphnia magna* (Water flea), 48 Hour, > 1,000 mg/l, OECD Test Guideline 202

**Acute toxicity to algae/aquatic plants**

Based on data from similar materials

EC50, *Skeletonema costatum* (marine diatom), 72 Hour, > 1,000 mg/l

**Toxicity to bacteria**

For similar material(s):

NOEC, 14 Hour, 2 mg/l

**2-Butyl-1-tetradecene****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).

Based on data from similar materials

LC50, *Oncorhynchus mykiss* (rainbow trout), 96 Hour, > 1,000 mg/l, OECD Test Guideline 203

**Acute toxicity to aquatic invertebrates**

Based on data from similar materials

EC50, *Daphnia magna* (Water flea), 48 Hour, > 1,000 mg/l, OECD Test Guideline 202

**Acute toxicity to algae/aquatic plants**

Based on data from similar materials

EC50, *Skeletonema costatum* (marine diatom), 72 Hour, > 1,000 mg/l

**2-Ethyl-1-hexadecene****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).

Based on data from similar materials

LC50, *Cyprinodon variegatus* (sheepshead minnow), 96 Hour, > 1,000 mg/l, OECD Test Guideline 203

**Acute toxicity to aquatic invertebrates**

Based on data from similar materials  
EC50, Daphnia magna (Water flea), 48 Hour, > 1,000 mg/l

**Acute toxicity to algae/aquatic plants**

Based on data from similar materials  
EC50, Raphidocelis subcapitata (freshwater green alga), 96 Hour, > 1,000 mg/l

**2-Octyl-1-decene****Acute toxicity to fish**

Not expected to be acutely toxic to aquatic organisms.  
No toxicity at the limit of solubility  
For similar material(s):  
LC50, Oncorhynchus mykiss (rainbow trout), 96 Hour, > 0.0034 mg/l, OECD Test Guideline 203

**Acute toxicity to aquatic invertebrates**

For similar material(s):  
EC50, Daphnia magna (Water flea), 48 Hour, > 1,000 mg/l, OECD Test Guideline 202, Test substance: Water Accommodated Fraction

**Acute toxicity to algae/aquatic plants**

For similar material(s):  
No toxicity at the limit of solubility  
EC50, Pseudokirchneriella subcapitata (green algae), 72 Hour, > 0.0009 mg/l, OECD Test Guideline 201  
For similar material(s):  
No toxicity at the limit of solubility  
NOEC, Pseudokirchneriella subcapitata (green algae), 72 Hour, > 0.0009 mg/l, OECD Test Guideline 201

**Persistence and degradability****Octadecene**

**Biodegradability:** Material is expected to be readily biodegradable.  
10-day Window: Fail  
**Biodegradation:** 77 - 81 %  
**Exposure time:** 28 d  
**Method:** OECD Test Guideline 301B or Equivalent

**2-Hexyl-1-dodecene**

**Biodegradability:** For similar material(s): Material is expected to be readily biodegradable.  
For similar material(s): 10-day Window: Fail  
**Biodegradation:** 90 %  
**Exposure time:** 28 d

**2-Butyl-1-tetradecene**

**Biodegradability:** Material is expected to be readily biodegradable.

**2-Ethyl-1-hexadecene**

**Biodegradability:** For similar material(s): Material is expected to be readily biodegradable.  
For similar material(s): 10-day Window: Fail  
**Biodegradation:** 90 %  
**Exposure time:** 28 d

**2-Octyl-1-decene**

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

10-day Window: Fail For similar material(s):

**Biodegradation:** 22 %

**Exposure time:** 28 d

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

10-day Window: Not applicable For similar material(s):

**Biodegradation:** 67 - 98 %

**Exposure time:** 28 d

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

**Bioaccumulative potential****Octadecene**

**Bioaccumulation:** Bioconcentration potential is high (BCF > 3000 or Log Pow between 5 and 7).

**Partition coefficient: n-octanol/water(log Pow):** > 4.2

**Bioconcentration factor (BCF):** 3.71 Pimephales promelas (fathead minnow)

**2-Hexyl-1-dodecene**

**Bioaccumulation:** For similar material(s): Bioconcentration potential is moderate (BCF between 100 and 3000 or Log Pow between 3 and 5).

**Partition coefficient: n-octanol/water(log Pow):** > 4

**Bioconcentration factor (BCF):** 3.71

**2-Butyl-1-tetradecene**

**Bioaccumulation:** No relevant data found.

**2-Ethyl-1-hexadecene**

**Bioaccumulation:** No relevant data found.

**2-Octyl-1-decene**

**Bioaccumulation:** For similar material(s): Bioconcentration potential is low (BCF < 100 or Log Pow < 3).

**Partition coefficient: n-octanol/water(log Pow):** > 4

**Mobility in soil****Octadecene**

No relevant data found.

**2-Hexyl-1-dodecene**

No relevant data found.

**2-Butyl-1-tetradecene**

No relevant data found.

**2-Ethyl-1-hexadecene**

No relevant data found.

**2-Octyl-1-decene**

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. For additional information, refer to: Handling & Storage Information, MSDS Section 7 Stability & Reactivity Information, MSDS Section 10 Regulatory Information, MSDS Section 15

**Treatment and disposal methods of used packaging:** Empty containers should be recycled or otherwise disposed of by an approved waste management facility. Waste characterizations and compliance with applicable laws are the responsibility of the waste generator. Do not re-use containers for any purpose.

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### 14. TRANSPORT INFORMATION

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**TDG**

Not regulated for transport

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

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

Not regulated for transport  
Consult IMO regulations before transporting ocean bulk

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

Not regulated for transport

**Further information:**

VENTED PACKAGES ARE FORBIDDEN FOR AIR 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 Environmental Protection Act, 1999 (CEPA 1999)

This product contains an intentional component which is not on the DSL, however, the component is exempt from inventory listing requirements when the product is used in a food, drug or cosmetic (i.e., FDA) application. If the product is used in an application which is not regulated under the FDA then the DSL inventory requirements and subsequent volume limits apply to the component.

### Canadian Domestic Substances List (DSL)

The product contains an intentional component that is subject to a restriction. Production and/or use is limited by the conditions of the restriction.

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## 16. OTHER INFORMATION

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### Revision

Identification Number: 6024669 / A208 / Issue Date: 07/15/2024 / Version: 6.0

In case this version of the SDS contains significant changes from the previous version, they are listed below. If no significant changes are displayed, then no significant changes occurred.

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 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.

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