



SAFETY DATA SHEET

DOW CHEMICAL CANADA ULC

Product name: DOWSIL™ 5200 Formulation Aid

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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: DOWSIL™ 5200 Formulation Aid

Other means of identification: No data available

Recommended use of the chemical and restrictions on use

Identified uses: Surface active agents

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).
Flammable liquids - Category 4

Label elements

Signal word: **WARNING!**

Hazards

H227 Combustible liquid.

Precautionary statements

Prevention

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition

P234 sources. No smoking.
 P280 Keep only in original packaging.
 Wear protective gloves, protective clothing, eye protection, face protection and hearing protection.

Response

P370 + P378 In case of fire: Use alcohol-resistant foam, carbon dioxide or water mist to extinguish.

Storage

P403 Store in a well-ventilated place.

Disposal

P501 Dispose of contents and container to an approved waste disposal plant.

Other hazards

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

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical nature: Silicone

This product is a mixture.

Chemical name	Common name and synonym	CASRN	Concentration (w/w)
1-Dodecene	dodec-1-ene	112-41-4	>= 9.3 - <= 9.7 %
Isooctadecanol	isooctadecan-1-ol	27458-93-1	>= 8.8 - <= 9.2 %
2-Ethyl-1-decene	Undecane, 3-methylene-	71138-64-2	>= 1.0 - <= 1.1 %
2-Butyl-1-octene	Undecane, 5-methylene-	5698-48-6	>= 1.0 - <= 1.1 %

4. FIRST AID MEASURES

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

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: 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: No specific antidote. Treatment of exposure should be directed at the control of symptoms and the clinical condition of the patient. Skin contact may aggravate preexisting dermatitis.

5. FIREFIGHTING MEASURES

Extinguishing media

Suitable extinguishing media: Alcohol-resistant foam. Carbon dioxide (CO₂). Water spray.

Unsuitable extinguishing media: Dry chemical. High volume water jet. Do not use direct water stream..

Special hazards arising from the substance or mixture

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

Unusual Fire and Explosion Hazards: Flash back possible over considerable distance.. 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.. Closed containers may rupture via pressure build-up when exposed to fire or extreme heat.. Vapours may form explosive mixtures with air..

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 water spray to cool fire exposed containers and fire affected zone until fire is out and danger of reignition has passed.. Do not use a solid water stream as it may scatter and spread fire.. 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: In the event of fire, wear self-contained breathing apparatus.. Use personal protective equipment..

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures:

Remove all sources of ignition. Use personal protective equipment. 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. Prevent spreading over a wide area (e.g. by containment or oil barriers). 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: Non-sparking tools should be used. Soak up with inert absorbent material. Suppress (knock down) gases/vapours/mists with a water spray jet. Clean up remaining materials from spill with suitable absorbant. 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.

7. HANDLING AND STORAGE

Precautions for safe handling: Do not get on skin or clothing. Avoid inhalation of vapour or mist. Avoid contact with eyes. Do not swallow. Keep container tightly closed. Keep away from water. Protect from moisture. Keep away from heat and sources of ignition. Take precautionary measures against static discharges. Take care to prevent spills, waste and minimize release to the environment. Handle in accordance with good industrial hygiene and safety practice. CONTAINERS MAY BE HAZARDOUS WHEN EMPTY. Since emptied containers retain product residue follow all (M)SDS and label warnings even after container is emptied. Use with local exhaust ventilation. See Engineering measures under EXPOSURE CONTROLS/PERSONAL PROTECTION section.

Conditions for safe storage: Keep in properly labelled containers. Store in original container. Keep tightly closed. Keep in a cool, well-ventilated place. 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. Keep away from heat and sources of ignition. Store in a closed container.

Do not store with the following product types: Strong oxidizing agents. Explosives. Gases. Unsuitable materials for containers: Do not store in or use containers except the original product package.

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 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).

Skin protection

Hand protection: Use gloves chemically resistant to this material. Examples of preferred glove barrier materials include: Neoprene. Ethyl vinyl alcohol laminate ("EVAL"). Polyvinyl alcohol ("PVA"). Polyvinyl chloride ("PVC" or "vinyl"). Viton. Examples of acceptable glove barrier materials include: Butyl rubber. Nitrile/butadiene rubber ("nitrile" or "NBR"). **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, wear respiratory protection when adverse effects, such as respiratory irritation or discomfort have been experienced, or where indicated by your risk assessment process.

The following should be effective types of air-purifying respirators: Organic vapor cartridge.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance

Physical state	liquid
Color	amber

Odor	characteristic
Odor Threshold	No data available

pH	No data available
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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) > 35 °C

Flash point Pensky-Martens closed cup 87.7 °C**Evaporation Rate (Butyl Acetate = 1)** No data available**Flammability**

Flammability (solid, gas) Not applicable

Flammability (liquids) Not applicable

Upper/lower flammability or explosive limits

Lower explosion limit No data available

Upper explosion limit No data available

Vapor Pressure No data available**Relative vapour density**

Relative Vapor Density (air = 1) No data available

Density and / or relative density

Relative Density (water = 1) 0.896

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**Kinematic Viscosity** 2500 cSt at 25 °C**Explosive properties** Not explosive**Oxidizing properties** The substance or mixture is not classified as oxidizing.**Molecular weight** No data available**Particle characteristics**

Particle size not applicable

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

10. STABILITY AND REACTIVITY

Reactivity: Not classified as a reactivity hazard.**Chemical stability:** Stable under normal conditions.**Possibility of hazardous reactions:** Can react with strong oxidizing agents. Vapours may form explosive mixture with air. 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:** Heat, flames and sparks. Exposure to moisture

Incompatible materials: Avoid contact with oxidizing materials.

Hazardous decomposition products:

Decomposition products can include and are not limited to: Irritating fumes.

11. TOXICOLOGICAL INFORMATION

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

Information on likely routes of exposure

Inhalation, 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, Rat, > 5,000 mg/kg Estimated.

Information for components:

1-Dodecene

LD50, Rat, > 7,700 mg/kg

Isooctadecanol

LD50, Rat, > 2,000 mg/kg OECD Test Guideline 401

2-Ethyl-1-decene

Single dose oral LD50 has not been determined.

For similar material(s): LD50, Rat, > 5,000 mg/kg OECD Test Guideline 420

2-Butyl-1-octene

Single dose oral LD50 has not been determined.

For similar material(s): LD50, Rat, > 5,050 mg/kg OECD Test Guideline 420

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:

1-Dodecene

LD50, Rat, > 3,040 mg/kg

Isooctadecanol

Based on data from similar materials LD50, Rabbit, 6,180 mg/kg

2-Ethyl-1-decene

The dermal LD50 has not been determined.

For similar material(s): LD50, Rabbit, > 2,020 mg/kg OECD Test Guideline 402

2-Butyl-1-octene

The dermal LD50 has not been determined.

For similar material(s): LD50, Rabbit, > 2,020 mg/kg OECD Test Guideline 402

Acute inhalation toxicity

Information for the Product:

Brief exposure (minutes) is not likely to cause adverse effects. Vapor may cause irritation of the upper respiratory tract (nose and throat).

As product: The LC50 has not been determined.

Information for components:

1-Dodecene

LC50, Rat, 4 Hour, vapour, 55.4 mg/l OECD Test Guideline 403

Isooctadecanol

The LC50 has not been determined.

2-Ethyl-1-decene

The LC50 has not been determined.

For similar material(s): LC50, Rat, 4 Hour, vapour, 55.4 mg/l OECD Test Guideline 403

2-Butyl-1-octene

The LC50 has not been determined.

For similar material(s): The LC50 value is greater than the Maximum Attainable Concentration. LC50, Rat, 4 Hour, vapour, > 2.1 mg/l OECD Test Guideline 403

Skin corrosion/irritation

Not classified based on available information.

Information for the Product:

Based on information for component(s):
Brief contact may cause slight skin irritation with local redness.
May cause drying and flaking of the skin.

Information for components:

1-Dodecene

Brief contact may cause moderate skin irritation with local redness.
May cause drying and flaking of the skin.

Isooctadecanol

Brief contact may cause moderate skin irritation with local redness.

2-Ethyl-1-decene

For similar material(s):
Brief contact may cause slight skin irritation with local redness.
May cause drying and flaking of the skin.

2-Butyl-1-octene

For similar material(s):
Brief contact may cause slight skin irritation with local redness.
May cause drying and flaking of the skin.

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.

Information for components:

1-Dodecene

Essentially nonirritating to eyes.

Isooctadecanol

May cause slight eye irritation.

2-Ethyl-1-decene

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

2-Butyl-1-octene

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

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:

Based on product testing:

Did not cause allergic skin reactions when tested in humans.

For respiratory sensitization:

No relevant data found.

Information for components:

1-Dodecene

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

For respiratory sensitization:

No relevant data found.

Isooctadecanol

For skin sensitization:

For similar material(s):

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

For respiratory sensitization:

No relevant data found.

2-Ethyl-1-decene

For similar material(s):

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

For respiratory sensitization:

No relevant data found.

2-Butyl-1-octene

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:

Product test data not available.

Information for components:

1-Dodecene

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

Isooctadecanol

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

2-Ethyl-1-decene

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

2-Butyl-1-octene

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:

1-Dodecene

May be fatal if swallowed and enters airways.

Isooctadecanol

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

2-Ethyl-1-decene

May be fatal if swallowed and enters airways.

2-Butyl-1-octene

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:

1-Dodecene

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

Isooctadecanol

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

2-Ethyl-1-decene

For similar material(s):

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

2-Butyl-1-octene

No relevant data found.

Carcinogenicity

Not classified based on available information.

Information for the Product:

Product test data not available.

Information for components:

1-Dodecene

No relevant data found.

Isooctadecanol

No relevant data found.

2-Ethyl-1-decene

No relevant data found.

2-Butyl-1-octene

No relevant data found.

Teratogenicity

Not classified based on available information.

Information for the Product:

Product test data not available.

Information for components:

1-Dodecene

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

Isooctadecanol

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

2-Ethyl-1-decene

No relevant data found.

2-Butyl-1-octene

No relevant data found.

Reproductive toxicity

Not classified based on available information.

Information for the Product:

Product test data not available.

Information for components:**1-Dodecene**

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

Isooctadecanol

In animal studies, did not interfere with reproduction.

2-Ethyl-1-decene

No relevant data found.

2-Butyl-1-octene

No relevant data found.

Mutagenicity

Not classified based on available information.

Information for the Product:

Based on product testing: In vitro genetic toxicity studies were negative.

Information for components:**1-Dodecene**

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

Isooctadecanol

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

2-Ethyl-1-decene

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

2-Butyl-1-octene

No relevant data found.

12. ECOLOGICAL INFORMATION

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

Toxicity

Information for the Product:

Product test data not available.

Information for components:

1-Dodecene

Acute toxicity to fish

Material is not classified as dangerous to aquatic organisms
(LC50/EC50/IC50/LL50/EL50 greater than 100 mg/L in most sensitive species).

No toxicity at the limit of solubility

LC50, Oncorhynchus mykiss (rainbow trout), 96 Hour, > 0.12 mg/l, OECD Test Guideline 203

Acute toxicity to aquatic invertebrates

Not expected to be acutely toxic to aquatic organisms.

Based on data from similar materials

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

No toxicity at the limit of solubility

EC50, Pseudokirchneriella subcapitata (green algae), 72 Hour, > 0.0009 mg/l, OECD Test Guideline 201

No toxicity at the limit of solubility

NOEC, Pseudokirchneriella subcapitata (green algae), 72 Hour, > 0.0009 mg/l, OECD Test Guideline 201

Toxicity to bacteria

No toxicity at the limit of solubility

NOEC, 14 d, 2 mg/l

Isooctadecanol

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, Cyprinus carpio (Carp), 96 Hour, > 100 mg/l, OECD Test Guideline 203

Acute toxicity to aquatic invertebrates

Based on data from similar materials

EC50, Daphnia magna (Water flea), 48 Hour, 1,700 mg/l

Acute toxicity to algae/aquatic plants

No toxicity at the limit of solubility

Based on data from similar materials

EC50, Desmodesmus subspicatus (green algae), 96 Hour, > 10 mg/l

Toxicity to bacteria

Based on data from similar materials

EC0, 3 Hour, > 82.4 g/L

Chronic toxicity to aquatic invertebrates

NOELR, Daphnia magna (Water flea), 21 d, 0.17 mg/l

2-Ethyl-1-decene

Acute toxicity to fish

Not expected to be acutely toxic to aquatic organisms.

For similar material(s):

No toxicity at the limit of solubility

LC50, Oncorhynchus mykiss (rainbow trout), 96 Hour, > 0.0034 mg/l, OECD Test Guideline 203

Acute toxicity to aquatic invertebrates

For similar material(s):

No toxicity at the limit of solubility

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

Acute toxicity to algae/aquatic plants

For similar material(s):

No toxicity at the limit of solubility

ErC50, Pseudokirchneriella subcapitata (green algae), 72 Hour, > 1.8 mg/l, OECD Test Guideline 201

2-Butyl-1-octene

Acute toxicity to fish

Not expected to be acutely toxic to aquatic organisms.

For similar material(s):

No toxicity at the limit of solubility

LC50, Oncorhynchus mykiss (rainbow trout), 96 Hour, > 1.07 mg/l, OECD Test Guideline 203

Acute toxicity to aquatic invertebrates

For similar material(s):

No toxicity at the limit of solubility

EC50, Daphnia magna (Water flea), 48 Hour, 0.18 - 0.32 mg/l, OECD Test Guideline 202

Acute toxicity to algae/aquatic plants

For similar material(s):

No toxicity at the limit of solubility

EC50, Pseudokirchneriella subcapitata (green algae), 72 Hour, 0.25 - 0.5 mg/l, OECD Test Guideline 201

For similar material(s):

No toxicity at the limit of solubility

NOEC, Pseudokirchneriella subcapitata (green algae), 72 Hour, 0.25 mg/l, OECD Test Guideline 201

Persistence and degradability

Information for the Product:

Product test data not available.

Information for components:

1-Dodecene**Biodegradability:** Material is expected to be readily biodegradable.**Theoretical Oxygen Demand:** 3.42 mg/mg**Photodegradation****Test Type:** Half-life (indirect photolysis)**Sensitization:** OH radicals**Atmospheric half-life:** 0.277 d**Method:** Estimated.**Isooctadecanol****Biodegradability:****Biodegradation:** 66 - 72 %**Exposure time:** 28 d**Method:** OECD Test Guideline 301B**2-Ethyl-1-decene****Biodegradability:** Material is expected to be readily biodegradable.

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

Biodegradation: 80.8 %**Exposure time:** 28 d**Method:** OECD Test Guideline 301F**2-Butyl-1-octene****Biodegradability:** No relevant data found.**Bioaccumulative potential****Information for the Product:**

Product test data not available.

Information for components:**1-Dodecene****Bioaccumulation:** Bioconcentration potential is high (BCF > 3000 or Log Pow between 5 and 7).**Partition coefficient: n-octanol/water(log Pow):** 6.10 Estimated.**Bioconcentration factor (BCF):** 313 Fish Estimated.**Isooctadecanol****Bioaccumulation:** Based on data from similar materials Bioconcentration potential is low (BCF < 100 or Log Pow < 3).**Partition coefficient: n-octanol/water(log Pow):** > 3**Bioconcentration factor (BCF):** 60 *Leuciscus idus* (Golden orfe)**2-Ethyl-1-decene****Bioaccumulation:** Bioconcentration potential is high (BCF > 3000 or Log Pow between 5 and 7).**Partition coefficient: n-octanol/water(log Pow):** 6.1**2-Butyl-1-octene****Bioaccumulation:** No relevant data found.

Mobility in soil**Information for the Product:**

Product test data not available.

Information for components:**1-Dodecene**

Partition coefficient (Koc): > 5000 Estimated.

2-Ethyl-1-decene

No relevant data found.

2-Butyl-1-octene

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: 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.

14. TRANSPORT INFORMATION

TDG

Not regulated for transport

Classification for SEA transport (IMO-IMDG):

**Transport in bulk
according to Annex I or II**

Not regulated for transport
Consult IMO regulations before transporting ocean bulk

**of MARPOL 73/78 and the
IBC or IGC Code****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.

15. REGULATORY INFORMATION

Canadian Domestic Substances List (DSL)

All intentional components are listed on the inventory, are exempt, or are supplier certified.

16. OTHER INFORMATION

Revision

Identification Number: 4019082 / A208 / Issue Date: 08/01/2025 / Version: 7.0

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

AllC - 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 Harmonised 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 Organisation; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardisation; 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 - Organisation 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.

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