

# **SAFETY DATA SHEET**

# PRODUCTION AGRISCIENCE CANADA COMPANY

Product name: Ultim<sup>™</sup> Herbicide Issue Date: 04/28/2021

PRODUCTION AGRISCIENCE CANADA COMPANY encourages you and expects you to read and understand the entire SDS as there is important information throughout the document. This SDS provides users with information relating to the protection of human health and safety at the workplace, protection of the environment and supports emergency response. Product users and applicators should primarily refer to the product label attached to or accompanying the product container.

# 1. IDENTIFICATION

Product name: Ultim™ Herbicide

Recommended use of the chemical and restrictions on use

Identified uses: Herbicide

Uses advised against: Do not use product for anything outside of the above specified uses.

**COMPANY IDENTIFICATION** 

PRODUCTION AGRISCIENCE CANADA COMPANY P.O. BOX 730, 7398 QUEEN'S LINE CHATHAM, ONTARIO, N7M 5L1

CANADA

**Customer Information Number**: 800-667-3852

E-mail address : solutions@corteva.com

**EMERGENCY TELEPHONE** 

### 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). Carcinogenicity - Category 1A

# Label elements Hazard pictograms



Signal Word: DANGER!

### **Hazards**

May cause cancer.

# **Precautionary statements**

# Prevention

Obtain special instructions before use.

Do not handle until all safety precautions have been read and understood.

Wear protective gloves/ protective clothing/ eye protection/ face protection.

#### Response

IF exposed or concerned: Get medical advice/ attention.

# **Storage**

Store locked up.

#### **Disposal**

Dispose of contents/ container to an approved waste disposal plant.

#### Other hazards

No data available

#### **Further information**

The values listed below represent the percentages of ingredients of unknown toxicity.

The following percentage of the mixture consists of ingredient(s) with unknown acute toxicity: 1.5 %

# 3. COMPOSITION/INFORMATION ON INGREDIENTS

This product is a mixture.  Component	CASRN	Concentration
Nicosulfuron	111991-09-4	37.5%
Rimsulfuron	122931-48-0	37.5%
Kaolin	1332-58-7	>= 10.0 - < 20.0 %
Alkylnaphthalenesulfonic acid, polymer with formaldehyde, sodium salt	68425-94-5	>= 3.0 - < 10.0 %
Sucrose	57-50-1	>= 3.0 - < 10.0 %
Sodium tetrapropylenebenzenesulphonate	11067-82-6	>= 1.0 - < 2.5 %
Quartz	14808-60-7	>= 0.1 - < 0.3 %

# 4. FIRST AID MEASURES

# **Description of first aid measures**

# General advice:

Have the product container or label with you when calling a poison control center or doctor, or going for treatment. For medical emergencies involving this product, call toll free 1-888-226-8832. See Label for Additional Precautions and Directions for Use.

**Inhalation:** Move to fresh air. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. Call a poison control center or doctor for treatment advice.

**Skin contact:** Take off all contaminated clothing immediately. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.

**Eye contact**: Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.

**Ingestion:** Call a poison control center or doctor for treatment advice. Have person sip a glass of water if able to swallow. DO NOT induce vomiting unless directed to do so by a physician or poison control center. Never give anything by mouth to an unconscious person.

### 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:** Treat symptomatically.

# 5. FIRE-FIGHTING MEASURES

Suitable extinguishing media: Water spray Alcohol-resistant foam

Unsuitable extinguishing media: Dry chemical

Special hazards arising from the substance or mixture Hazardous combustion products: No data available

**Unusual Fire and Explosion Hazards:** Exposure to combustion products may be a hazard to health. Applying foam will release significant amounts of hydrogen gas that can be trapped under the foam blanket. Do not allow run-off from fire fighting to enter drains or water courses.

#### Advice for firefighters

**Fire Fighting Procedures:** 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.

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. Evacuate area. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. Use water spray to cool unopened containers. 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.

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

# 6. ACCIDENTAL RELEASE MEASURES

**Personal precautions, protective equipment and emergency procedures:** Avoid dust formation. Avoid breathing dust. Use personal protective equipment. Use appropriate safety equipment. For additional information, refer to Section 8, Exposure Controls and Personal Protection.

**Environmental precautions:** If the product contaminates rivers and lakes or drains inform respective authorities. 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. Prevent from entering into soil, ditches, sewers, waterways and/or groundwater. See Section 12, Ecological Information.

**Methods and materials for containment and cleaning up:** Local or national regulations may apply to releases and disposal of this material, as well as those materials and items employed in. Pick up and arrange disposal without creating dust. 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. Keep in suitable, closed containers for disposal. Sweep up or vacuum up spillage and collect in suitable container for disposal. See Section 13, Disposal Considerations, for additional information.

### 7. HANDLING AND STORAGE

**Precautions for safe handling:** Do not breathe vapours/dust. Do not smoke. Handle in accordance with good industrial hygiene and safety practice. Avoid exposure - obtain special instructions before use. Smoking, eating and drinking should be prohibited in the application area. Do not get on skin or clothing. Avoid inhalation of vapour or mist. Do not get in eyes. Avoid contact with skin and eyes. Keep container tightly closed. Take care to prevent spills, waste and minimize release to the environment. Use appropriate safety equipment. For additional information, refer to Section 8, Exposure Controls and Personal Protection. Use with local exhaust ventilation.

**Conditions for safe storage:** Store in a closed container. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Keep in properly labelled containers. Store in accordance with the particular national regulations.

Do not store with the following product types: Strong oxidizing agents. Organic peroxides. Explosives. Gases.

Unsuitable materials for containers: None known.

# 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.

Component	Regulation	Type of listing	Value/Notation
Kaolin	ACGIH	TWA Respirable	2 mg/m3
		particulate matter	
	CA AB OEL	TWA Respirable	2 mg/m3
	CA BC OEL	TWA Respirable	2 mg/m3

	CA QC OEL	TWAEV respirable	5 mg/m3
		dust	
Sucrose	ACGIH	TWA	10 mg/m3
	CA AB OEL	TWA	10 mg/m3
	CA QC OEL	TWAEV	10 mg/m3
	CA BC OEL	TWA Total dust	10 mg/m3
	CA BC OEL	TWA respirable dust	3 mg/m3
		fraction	
Quartz	ACGIH	TWA Respirable	0.025 mg/m3 , Silica
		particulate matter	
	CA AB OEL	TWA Respirable	0.025 mg/m3
		particulates	
	CA ON OEL	TWA Respirable	0.1 mg/m3
		fraction	
	CA QC OEL	TWAEV respirable	0.1 mg/m3
		dust	_
	CA BC OEL	TWA Respirable	0.025 mg/m3 , Silica

RECOMMENDATIONS IN THIS SECTION ARE FOR MANUFACTURING, COMMERCIAL BLENDING AND PACKAGING WORKERS. APPLICATORS AND HANDLERS SHOULD SEE THE PRODUCT LABEL FOR PROPER PERSONAL PROTECTIVE EQUIPMENT AND CLOTHING.

# **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.

**Hygiene measures:** Wash hands thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet. Remove clothing/PPE immediately if material gets inside. Wash thoroughly and put on clean clothing.

**Protective measures:** Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables exist, use detergent and hotwater. Keep and wash PPE separately from other laundry.

# **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. Nitrile/butadiene rubber ("nitrile" or "NBR"). Polyvinyl chloride ("PVC" or "vinyl"). 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. For most conditions no respiratory protection should be needed; however, if discomfort is experienced, use an approved air-purifying respirator.

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

**Appearance** 

Physical state solid granules Color off-white Odor slight

**Odor Threshold** No data available

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Melting point/range No data available Freezing point No data available Boiling point (760 mmHg) No data available Flash point No data available **Evaporation Rate (Butyl Acetate** No data available

= 1)

Flammability (solid, gas) No data available Lower explosion limit No data available **Upper explosion limit** No data available No data available **Vapor Pressure** No data available Relative Vapor Density (air = 1) Relative Density (water = 1) No data available

Water solubility dispersible

Partition coefficient: n-

octanol/water

No data available

**Auto-ignition temperature** No data available **Decomposition temperature** No data available **Kinematic Viscosity** No data available No data available **Explosive properties** No data available Oxidizing properties Molecular weight 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: Not classified as a reactivity hazard.

Chemical stability: No decomposition if stored and applied as directed. Stable under normal conditions.

Possibility of hazardous reactions: None known.

No hazards to be specially mentioned.

Conditions to avoid: None known.

Incompatible materials: None.

#### Hazardous decomposition products

No hazardous decomposition products are known.

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# 11. TOXICOLOGICAL INFORMATION

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

# **Acute toxicity**

## **Acute oral toxicity**

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

## As product:

LD50, Rat, male and female, > 5,000 mg/kg OECD Test Guideline 401 No deaths occurred at this concentration.

# **Acute dermal toxicity**

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

# As product:

LD50, Rabbit, male and female, > 2,000 mg/kg OECD Test Guideline 402 No deaths occurred at this concentration. Erythema

### Acute inhalation toxicity

Brief exposure (minutes) is not likely to cause adverse effects. Prolonged excessive exposure may cause adverse effects.

### As product:

LC50, Rat, male and female, 4 Hour, dust/mist, > 5.6 mg/l OECD Test Guideline 403 nasal discharge

#### Skin corrosion/irritation

Brief contact may cause slight skin irritation with local redness.

#### Serious eve damage/eve irritation

May cause slight temporary eye irritation.

#### Sensitization

For skin sensitization:

As product:

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)

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

# Specific Target Organ Systemic Toxicity (Repeated Exposure)

For the active ingredient(s):

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

#### Carcinogenicity

For the active ingredient(s): Did not cause cancer in laboratory animals.

Based on information for component(s): Has caused cancer in humans.

### **Teratogenicity**

For the active ingredient(s): Did not cause birth defects or other effects in the fetus even at doses which caused toxic effects in the mother.

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# Reproductive toxicity

For the active ingredient(s): In animal studies, did not interfere with reproduction. In animal studies, did not interfere with fertility.

### Mutagenicity

For the active ingredient(s): Animal genetic toxicity studies were negative.

#### **Aspiration Hazard**

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

Carcinogenicity

Component List Classification

Quartz IARC Group 1: Carcinogenic to humans
US NTP Known to be human carcinogen

OSHA CARC OSHA specifically regulated carcinogen

ACGIH A2: Suspected human carcinogen

# 12. ECOLOGICAL INFORMATION

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

#### **General Information**

Environmental Hazards: Do not apply directly to water, or to areas where surface water is present, or to intertidal areas below the mean high water mark. Do not contaminate water when cleaning equipment or disposing of equipment wash waters or rinsate. No other ecological effects to be specially mentioned.

#### **Toxicity**

#### **Nicosulfuron**

# Acute toxicity to fish

Material is very highly toxic to aquatic organisms on an acute basis (LC50/EC50 <0.1 mg/L in the most sensitive species).

LC50, Oncorhynchus mykiss (rainbow trout), static test, 96 Hour, > 1,000 mg/l, US EPA Test Guideline OPP 72-1

#### Acute toxicity to aquatic invertebrates

EC50, Daphnia magna (Water flea), static test, 48 Hour, > 1,000 mg/l, US EPA Test Guideline OPP 72-2

#### Acute toxicity to algae/aquatic plants

ErC50, Pseudokirchneriella subcapitata (green algae), 72 Hour, 71.17 mg/l, OECD Test Guideline 201

EbC50, Anabaena flos-aquae (cyanobacteria), 96 Hour, 41.8 mg/l, Directive 67/548/EEC, Annex V, C.3.

ErC50, Anabaena flos-aquae (cyanobacteria), 96 Hour, 59.8 mg/l, Directive 67/548/EEC, Annex V, C.3

EC50, Lemna gibba (duckweed), 7 d, 0.0032 mg/l, US EPA Test Guideline OPP 122-2 & 123-2

#### Chronic toxicity to fish

NOEC, Oncorhynchus mykiss (rainbow trout), Early Life-Stage, 90 d, 24 mg/l

# Chronic toxicity to aquatic invertebrates

NOEC, Daphnia magna (Water flea), Static-Renewal, 21 d, 43 mg/l

# **Toxicity to Above Ground Organisms**

oral LD50, Colinus virginianus (Bobwhite quail), > 2,250 mg/kg

dietary LC50, Colinus virginianus (Bobwhite quail), 5 d, > 5,620 mg/kg dietary LC50, Anas platyrhynchos (Mallard duck), 5 d, > 5,620 mg/kg oral LD50, Apis mellifera (bees), 48 d, 0.050 mg/kg oral LD50, Apis mellifera (bees), 48 d, > 100 mg/kg

#### Rimsulfuron

# Acute toxicity to fish

LC50, Oncorhynchus mykiss (rainbow trout), 96 Hour, > 390 mg/l LC50, Lepomis macrochirus (Bluegill sunfish), 96 Hour, > 390 mg/l

## Acute toxicity to aquatic invertebrates

EC50, Daphnia magna (Water flea), 48 Hour, > 360 mg/l

# Acute toxicity to algae/aquatic plants

EbC50, Pseudokirchneriella subcapitata (green algae), 72 Hour, 1.2 mg/l EC50, Lemna gibba (gibbous duckweed), 14 d, Number of fronds, 0.0023 mg/l EC50, Lemna gibba (gibbous duckweed), 14 d, Biomass, 0.0017 mg/l EbC50, Selenastrum capricornutum (green algae), 120 Hour, 1.6 mg/l EC50, Lemna gibba (gibbous duckweed), 7 d, > 0.21 mg/l ErC50, Lemna gibba (gibbous duckweed), 14 d, 0.00066 mg/l

# Chronic toxicity to fish

NOEC, Oncorhynchus mykiss (rainbow trout), 90 d, 110 mg/l

## Chronic toxicity to aquatic invertebrates

NOEC, Daphnia magna (Water flea), 21 d, 0.82 mg/l

### **Toxicity to Above Ground Organisms**

LD50, Colinus virginianus (Bobwhite quail), Acute oral toxicity, > 2,250 mg/kg LC50, Colinus virginianus (Bobwhite quail), 8 d, Acute contact toxicity, > 5,620 mg/kg LD50, Anas platyrhynchos (Mallard duck), Acute oral toxicity, > 2,000 mg/kg LC50, Anas platyrhynchos (Mallard duck), 8 d, Acute contact toxicity, > 5,620 mg/kg Apis mellifera (bees), Acute contact toxicity, > 100µg/bee Apis mellifera (bees), Acute oral toxicity, > 1,000 ppm

#### Toxicity to soil-dwelling organisms

LC50, Eisenia fetida (earthworms), > 1,000 mg/kg

# <u>Kaolin</u>

#### Acute toxicity to fish

Not expected to be acutely toxic to aquatic organisms.

# Alkylnaphthalenesulfonic acid, polymer with formaldehyde, sodium salt

#### Acute toxicity to fish

No relevant data found.

#### Sucrose

#### Acute toxicity to fish

Material is practically non-toxic to fish on an acute basis (LC50 > 100 mg/L). LC50, Pimephales promelas (fathead minnow), static test, 72 Hour, > 100 mg/l, Method Not Specified.

# Sodium tetrapropylenebenzenesulphonate

# 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).

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# Persistence and degradability

#### **Nicosulfuron**

**Biodegradability:** According to the results of tests of biodegradability this product is not readily biodegradable.

### Rimsulfuron

Biodegradability: Not readily biodegraded.

#### Kaolin

Biodegradability: Biodegradation is not applicable.

# Alkylnaphthalenesulfonic acid, polymer with formaldehyde, sodium salt

Biodegradability: No relevant data found.

#### **Sucrose**

**Biodegradability:** Material is expected to be readily biodegradable. Biodegradation under aerobic static laboratory conditions is high (BOD20 or BOD28/ThOD > 40%). Degradation is expected in the atmospheric environment within minutes to hours.

Theoretical Oxygen Demand: 1.12 mg/mg

**Photodegradation** 

Test Type: Half-life (indirect photolysis)

Sensitization: OH radicals

Atmospheric half-life: 1.18 Hour

Method: Estimated.

# Sodium tetrapropylenebenzenesulphonate

Biodegradability: No relevant data found.

# **Bioaccumulative potential**

# **Nicosulfuron**

Bioaccumulation: Does not bioaccumulate. Bioconcentration potential is low (BCF < 100 or Log

Pow < 3).

Partition coefficient: n-octanol/water(log Pow): -1.15 Estimated.

# Rimsulfuron

**Bioaccumulation:** Does not bioaccumulate. No relevant data found.

# **Kaolin**

**Bioaccumulation:** Partitioning from water to n-octanol is not applicable.

### Alkylnaphthalenesulfonic acid, polymer with formaldehyde, sodium salt

Bioaccumulation: No data available for this product.

#### **Sucrose**

**Bioaccumulation:** Bioconcentration potential is low (BCF < 100 or Log Pow < 3). Potential for mobility in soil is very high (Koc between 0 and 50). Bioconcentration potential is low (BCF < 100 or Log Pow < 3).

Partition coefficient: n-octanol/water(log Pow): -3.7 - -3.67 Estimated.

**Bioconcentration factor (BCF):** 3 Estimated.

#### Sodium tetrapropylenebenzenesulphonate

Bioaccumulation: No relevant data found.

# Mobility in soil

The product is not expected to be mobile in soils.

# 13. DISPOSAL CONSIDERATIONS

**Disposal methods:** If wastes and/or containers cannot be disposed of according to the product label directions, disposal of this material must be in accordance with your local or area regulatory authorities. This information presented below only applies to the material as supplied. The identification based on characteristic(s) or listing may not apply if the material has been used or otherwise contaminated. It is the responsibility of the waste generator to determine the toxicity and physical properties of the material generated to determine the proper waste identification and disposal methods in compliance with applicable regulations. If the material as supplied becomes a waste, follow all applicable regional, national and local laws.

## 14. TRANSPORT INFORMATION

**TDG** 

Proper shipping name ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID,

N.O.S.

UN number UN 3077

Class 9
Packing group III

Classification for SEA transport (IMO-IMDG):

Proper shipping name ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID,

N.O.S.(Nicosulfuron, Rimsulfuron)

UN number UN 3077

Class 9
Packing group III

Marine pollutant Nicosulfuron, Rimsulfuron

Transport in bulk Consult IMO regulations before transporting ocean bulk

according to Annex I or II of MARPOL 73/78 and the

**IBC or IGC Code** 

Classification for AIR transport (IATA/ICAO):

**Proper shipping name** Environmentally hazardous substance, solid,

n.o.s.(Nicosulfuron, Rimsulfuron)

UN number UN 3077

Class 9
Packing group III

# Further information:

Marine Pollutants assigned UN number 3077 and 3082 in single or combination packaging containing a net quantity per single or inner packaging of 5 L or less for liquids or having a net mass per single or inner packaging of 5 KG or less for solids may be transported as non-dangerous goods as provided in section 2.10.2.7 of IMDG code, IATA special provision A197, and ADR/RID special provision 375.

### NOT REGULATED PER TDG EXEMPTION 1.45.1 FOR ROAD OR RAIL

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

# **National Fire Code of Canada**

Not applicable

#### Canadian Domestic Substances List (DSL)

This product contains chemical substance(s) exempt from CEPA DSL Inventory requirements. It is regulated as a pesticide subject to Pest Control Products Act (PCPA) requirements.

#### **Pest Control Products Act**

Pest Control Products Act (PCPA) Registration Number: 32709

Read the PCPA label, authorized under the Pest Control Products Act, prior to using or handling this pest control product.

This chemical is a pest control product registered by Health Canada Pest Management Regulatory Agency and is subject to certain labelling requirements under the Pest Control Products Act (PCPA). There are Canada-specific environmental requirements for handling, use, and disposal of this pest control product that are indicated on the label. These requirements differ from the classification criteria and hazard information required for GHS-consistent safety data sheets. Following is the hazard information required on the pest control products label:

PCPA Label Hazard Communications:

Read the label and booklet before using.

**CAUTION SKIN IRRITANT** 

WARNING EYE IRRITANT

This product is toxic to: Non-target terrestrial plants Aquatic organisms

# 16. OTHER INFORMATION

#### Revision

Identification Number: 011000008142 / Issue Date: 04/28/2021 / Version: 6.0

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

Legend

ACGIH	USA. ACGIH Threshold Limit Values (TLV)
CA AB OEL	Canada. Alberta, Occupational Health and Safety Code (table 2: OEL)
CA BC OEL	Canada. British Columbia OEL
CA ON OEL	Ontario Table of Occupational Exposure Limits made under the Occupational
	Health and Safety Act.
CA QC OEL	Québec. Regulation respecting occupational health and safety, Schedule 1, Part 1:
	Permissible exposure values for airborne contaminants
TWA	8-hour time weighted average
TWAEV	Time-weighted average exposure value

#### 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; 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.

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

CA

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