

# SAFETY DATA SHEET

according to the Hazardous Products Regulations



## REFINE® SG HERBICIDE

Version	Revision Date:	SDS Number:	Date of last issue: 03/01/2018
1.2	03/07/2025	50000040	Date of first issue: 03/01/2018

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### SECTION 1. IDENTIFICATION

#### Product identifier

**Product name** REFINE® SG HERBICIDE

#### Other means of identification

**Product code** 50000040

**Product Registration Number** PCP #28285

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

**Recommended use** Can be used as herbicide only.

**Restrictions on use** Use as recommended by the label.

#### Manufacturer or supplier's details

**Manufacturer** FMC of Canada Ltd  
6755 Mississauga Road, Suite 204  
Mississauga, ON L5N 7Y2  
Canada  
Web: <https://ag.fmc.com/ca/en>  
SDS-Info@fmc.com

**Supplier Address** FMC of Canada Limited  
6755 Mississauga Road, Suite 204  
Mississauga, ON L5N 7Y2  
Canada

#### Emergency telephone

For leak, fire, spill or accident emergencies, call:  
1 800 / 424-9300 (CHEMTREC - U.S.A.)  
1 703 / 741-5970 (CHEMTREC - International)  
1 703 / 527-3887 (CHEMTREC - Alternate)

Medical emergency:  
U.S.A. & Canada: +1 800 / 331-3148  
All other countries: +1 651 / 632-6793 (Collect)

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### SECTION 2. HAZARDS IDENTIFICATION

#### **GHS classification in accordance with the Hazardous Products Regulations**

Specific target organ toxicity : Category 2 (Thyroid, Nervous system)  
- repeated exposure

#### **GHS label elements**

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Hazard pictograms

:



Signal Word

: WARNING

Hazard Statements

: H373 May cause damage to organs (Thyroid, Nervous system) through prolonged or repeated exposure.

Precautionary Statements

: **Prevention:**

P260 Do not breathe dust.

**Response:**

P314 Get medical advice/ attention if you feel unwell.

**Disposal:**

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

### Other hazards

None known.

## SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture

: Mixture

### Components

Chemical name	Common Name/Synonym	CAS-No.	Concentration (% w/w)
tribenuron-methyl (ISO)	tribenuron-methyl (ISO)	101200-48-0	16.67
thifensulfuron-methyl (ISO)	thifensulfuron-methyl (ISO)	79277-27-3	33.33

## SECTION 4. FIRST AID MEASURES

General advice

: Remove victim from exposure and then have him lie down in the recovery position.  
Call a physician immediately.  
Show this material safety data sheet to the doctor in attendance.  
Keep at rest.  
Keep warm and in a quiet place.  
Do not leave the victim unattended.

If inhaled

: Remove to fresh air.  
If unconscious, place in recovery position and seek medical advice.  
If experiencing any discomfort, immediately remove from ex-

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posure. Light cases: Keep person under surveillance. Get medical attention immediately if symptoms develop. Serious cases: Get medical attention immediately or call for an ambulance.

- |   |   |   |
|---|---|---|
| In case of skin contact                                     | : | If on clothes, remove clothes.<br>If on skin, rinse well with water.<br>Wash off immediately with soap and plenty of water.<br>Get medical attention immediately if irritation develops and persists. |
| In case of eye contact                                      | : | Rinse immediately with plenty of water for at least 15 minutes.<br>Remove contact lenses.<br>If eye irritation persists, consult a specialist.  |
| If swallowed  | : | Do not induce vomiting without medical advice.<br>Never give anything by mouth to an unconscious person.<br>If symptoms persist, call a physician.  |
| Most important symptoms and effects, both acute and delayed | : | None known.   |
| Protection of first-aiders                                  | : | Avoid inhalation, ingestion and contact with skin and eyes.   |
| Notes to physician  | : | Treat symptomatically.<br>Immediate medical attention is required in case of ingestion.   |

### SECTION 5. FIRE-FIGHTING MEASURES

- |  |   |   |
|--|---|---|
| Suitable extinguishing media                   | : | Dry chemical, CO <sub>2</sub> , water spray or regular foam.<br>Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.   |
| Unsuitable extinguishing media                 | : | Do not spread spilled material with high-pressure water streams.<br>High volume water jet   |
| Specific hazards during fire fighting          | : | Do not allow run-off from fire fighting to enter drains or water courses.   |
| Hazardous combustion products                  | : | Fire may produce irritating, corrosive and/or toxic gases.<br>Carbon oxides<br>Nitrogen oxides (NO <sub>x</sub> )<br>Sulfur oxides  |
| Further information                            | : | Collect contaminated fire extinguishing water separately. This must not be discharged into drains.<br>Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations. |
| Special protective equipment for fire-fighters | : | Wear self-contained breathing apparatus for firefighting if necessary.  |

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### SECTION 6. ACCIDENTAL RELEASE MEASURES

- Personal precautions, protective equipment and emergency procedures : Evacuate personnel to safe areas.  
Do not touch or walk through the spilled material.  
If it can be safely done, stop the leak.  
Ensure adequate ventilation.  
Use personal protective equipment.  
Avoid dust formation.  
Avoid breathing dust.  
Never return spills in original containers for re-use.  
Mark the contaminated area with signs and prevent access to unauthorized personnel.  
Only qualified personnel equipped with suitable protective equipment may intervene.
- Environmental precautions : Prevent product from entering drains.  
Prevent further leakage or spillage if safe to do so.  
If the product contaminates rivers and lakes or drains inform respective authorities.
- Methods and materials for containment and cleaning up : Keep in suitable, closed containers for disposal.

### SECTION 7. HANDLING AND STORAGE

- Advice on protection against fire and explosion : Avoid dust formation.  
Provide appropriate exhaust ventilation at places where dust is formed.
- Advice on safe handling : Avoid formation of respirable particles.  
Do not breathe vapors/dust.  
For personal protection see section 8.  
Smoking, eating and drinking should be prohibited in the application area.  
Provide sufficient air exchange and/or exhaust in work rooms.  
Dispose of rinse water in accordance with local and national regulations.  
Keep only in original packaging.
- Conditions for safe storage : Keep container tightly closed in a dry and well-ventilated place.  
Containers which are opened must be carefully resealed and kept upright to prevent leakage.  
Electrical installations / working materials must comply with the technological safety standards.
- Further information on storage conditions : The product is stable under normal conditions of warehouse storage.  
Store in closed, labelled containers. The storage room should be constructed of incombustible material, closed, dry, ventilat-

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ed and with impermeable floor, without access of unauthorised persons or children. The room should only be used for storage of chemicals. Food, drink, feed and seed should not be present. A hand wash station should be available.

Further information on storage stability : No decomposition if stored and applied as directed.

### SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

#### Ingredients with workplace control parameters

Contains no substances with occupational exposure limit values.

#### Personal protective equipment

Respiratory protection : Use respiratory protection unless adequate local exhaust ventilation is provided or exposure assessment demonstrates that exposures are within recommended exposure guidelines.

Filter type : Particulates type

#### Hand protection

Material : Wear chemical resistant gloves, such as barrier laminate, butyl rubber or nitrile rubber.

Remarks : The suitability for a specific workplace should be discussed with the producers of the protective gloves.

Eye protection : Eye wash bottle with pure water  
Tightly fitting safety goggles

Skin and body protection : Dust impervious protective suit  
Choose body protection according to the amount and concentration of the dangerous substance at the work place. Wear appropriate chemical resistant clothing to prevent skin contact depending on the extent of exposure. During most normal work situations where exposure to the material cannot be avoided for a limited time span, waterproof pants and apron of chemical resistant material or coveralls of polyethylene (PE) will be sufficient. Coveralls of PE must be discarded after use if contaminated. In cases of excessive or prolonged exposure, coveralls of barrier laminate may be required.

Protective measures : Plan first aid action before beginning work with this product. Always have on hand a first-aid kit, together with proper instructions.  
Wear suitable protective equipment.  
When using do not eat, drink or smoke.  
In the context of professional plant protection use as recommended, the end user must refer to the label and the instruc-

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tions for use.

Hygiene measures : When using do not eat or drink.  
When using do not smoke.  
Remove and wash contaminated clothing and gloves, including the inside, before re-use.  
Contaminated work clothing should not be allowed out of the workplace.  
Wash hands and face before breaks and immediately after handling the product.

### SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state	: solid
Form	: granular
Color	: light brown
Odor	: slight, acidic
Odor Threshold	: Not applicable No data available
pH	: 9.2 - 9.8 (20 °C) Concentration: ca. 10 g/l 1 %
Melting point/ range	: Not available for this mixture.
Boiling point/boiling range	: Decomposition
Flash point	: Not applicable
Evaporation rate	: Not applicable
Flammability (solid, gas)	: Does not sustain combustion.
Upper explosion limit / Upper flammability limit	: Not available for this mixture.
Lower explosion limit / Lower flammability limit	: Not available for this mixture.
Vapor pressure	: Not available for this mixture.
Relative vapor density	: Not available for this mixture.

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Density	:	No data available
Bulk density	:	692 kg/m3 packed
Solubility(ies)	:	
Water solubility	:	soluble
Partition coefficient: n-octanol/water	:	Not available for this mixture.
Autoignition temperature	:	385 °C
Decomposition temperature	:	Not available for this mixture.
Viscosity	:	
Viscosity, dynamic	:	No data available
Viscosity, kinematic	:	Not applicable
Explosive properties	:	Not explosive
Oxidizing properties	:	The product is not oxidizing.
Particle size	:	No data available

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### SECTION 10. STABILITY AND REACTIVITY

Reactivity	:	No decomposition if stored and applied as directed.
Chemical stability	:	No decomposition if stored and applied as directed.
Possibility of hazardous reactions	:	No decomposition if stored and applied as directed. Dust may form explosive mixture in air.
Conditions to avoid	:	Heat, flames and sparks. Protect from frost, heat and sunlight.
Incompatible materials	:	Avoid strong acids, bases, and oxidizers.
Hazardous decomposition products	:	Stable under recommended storage conditions.

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### SECTION 11. TOXICOLOGICAL INFORMATION

#### Acute toxicity

Not classified based on available information.

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### **Product:**

Acute oral toxicity	:	LD50 (Rat): > 5,000 mg/kg Method: Fixed Dose Method Remarks: (Data on the product itself)
Acute inhalation toxicity	:	Acute toxicity estimate: > 10 mg/l Exposure time: 4 h Test atmosphere: dust/mist Method: Calculation method
Acute dermal toxicity	:	LD50 (Rabbit): > 5,000 mg/kg Method: OECD Test Guideline 402 Remarks: (Data on the product itself) Information source: Internal study report

### **Components:**

#### **tribenuron-methyl (ISO):**

Acute oral toxicity	:	LD50: > 5,000 mg/kg Method: OECD Test Guideline 425
Acute inhalation toxicity	:	LC50 (Rat): > 5.14 mg/l Exposure time: 4 h Test atmosphere: dust/mist Method: OECD Test Guideline 403
Acute dermal toxicity	:	LD50 (Rat): > 5,000 mg/kg Method: OECD Test Guideline 402

#### **thifensulfuron-methyl (ISO):**

Acute oral toxicity	:	LD50 (Rat): > 5,000 mg/kg
Acute inhalation toxicity	:	LC50 (Rat): > 7.9 mg/l Exposure time: 4 h Test atmosphere: dust/mist
Acute dermal toxicity	:	LD50 (Rat): > 2,000 mg/kg

### **Skin corrosion/irritation**

Not classified based on available information.

### **Product:**

Species	:	Rabbit
Method	:	OECD Test Guideline 404
Result	:	No skin irritation
Remarks	:	(Data on the product itself)

### **Components:**

#### **tribenuron-methyl (ISO):**



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Species	:	Rabbit
Assessment	:	Not classified as irritant
Method	:	OECD Test Guideline 404
Remarks	:	May cause mild irritation. Based on available data, the classification criteria are not met.

### **thifensulfuron-methyl (ISO):**

Species	:	Rabbit
Method	:	OECD Test Guideline 404
Result	:	No skin irritation
Remarks	:	Minimal effects that do not meet the threshold for classification.

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

Not classified based on available information.

#### **Product:**

Species	:	Rabbit
Result	:	No eye irritation
Method	:	OECD Test Guideline 405
Remarks	:	(Data on the product itself)

#### **Components:**

### **tribenuron-methyl (ISO):**

Species	:	Rabbit
Assessment	:	No eye irritation
Method	:	OECD Test Guideline 405
Remarks	:	May cause mild irritation. Based on available data, the classification criteria are not met.

### **thifensulfuron-methyl (ISO):**

Species	:	Rabbit
Result	:	No eye irritation
Method	:	OECD Test Guideline 405

### **Respiratory or skin sensitization**

#### **Skin sensitization**

Not classified based on available information.

#### **Respiratory sensitization**

Not classified based on available information.

#### **Product:**

Test Type	:	Maximization Test
Species	:	Guinea pig
Assessment	:	Not a skin sensitizer.
Method	:	US EPA Test Guideline OPPTS 870.2600
Result	:	Animal test did not cause sensitization by skin contact.

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Remarks : (Data on the product itself)

### Components:

#### **tribenuron-methyl (ISO):**

Test Type	: Maximization Test
Species	: Guinea pig
Assessment	: May cause sensitization by skin contact.
Method	: OECD Test Guideline 406
Result	: Causes skin sensitization.

#### **thifensulfuron-methyl (ISO):**

Test Type	: Maximization Test
Species	: Guinea pig
Method	: OECD Test Guideline 429
Result	: Does not cause skin sensitization.

### **Germ cell mutagenicity**

Not classified based on available information.

### Components:

#### **tribenuron-methyl (ISO):**

Germ cell mutagenicity - Assessment	: Did not show mutagenic effects in animal experiments.
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#### **thifensulfuron-methyl (ISO):**

Genotoxicity in vitro	: Test system: Chinese hamster ovary cells Method: OECD Test Guideline 476 Result: negative Remarks: In vitro tests did not show mutagenic effects
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Germ cell mutagenicity - Assessment	: Weight of evidence does not support classification as a germ cell mutagen.
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### **Carcinogenicity**

Not classified based on available information.

### Components:

#### **tribenuron-methyl (ISO):**

Remarks	: No significant adverse effects were reported
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Carcinogenicity - Assessment	: Did not show carcinogenic effects in animal experiments.
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#### **thifensulfuron-methyl (ISO):**

Carcinogenicity - Assessment	: Weight of evidence does not support classification as a carcinogen
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### Reproductive toxicity

Not classified based on available information.

#### Components:

##### **tribenuron-methyl (ISO):**

Reproductive toxicity - Assessment : No toxicity to reproduction  
Animal testing did not show any effects on fetal development.,  
Did not show teratogenic effects in animal experiments.

##### **thifensulfuron-methyl (ISO):**

Reproductive toxicity - Assessment : Did not show teratogenic effects in animal experiments.

### STOT-single exposure

Not classified based on available information.

#### Components:

##### **tribenuron-methyl (ISO):**

Assessment : The substance or mixture is not classified as specific target organ toxicant, single exposure.

### STOT-repeated exposure

May cause damage to organs (Thyroid, Nervous system) through prolonged or repeated exposure.

#### Product:

Remarks : Refer to acute toxicity and/or repeated dose toxicity data for more information on target organs if applicable.

#### Components:

##### **tribenuron-methyl (ISO):**

Target Organs : Thyroid, Nervous system  
Assessment : May cause damage to organs through prolonged or repeated exposure.

### Repeated dose toxicity

#### Components:

##### **tribenuron-methyl (ISO):**

Species : Rabbit  
LOAEL : 80 mg/kg  
Target Organs : Thyroid, Nervous system  
Assessment : The substance or mixture is classified as specific target organ toxicant, repeated exposure, category 2.  
Remarks : Increased mortality or reduced survival

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### thifensulfuron-methyl (ISO):

Species	:	Rat
LOAEL	:	ca. 200 mg/kg
Exposure time	:	90 d
Target Organs	:	No specific target organs noted
Symptoms	:	Reduced body weight

### Aspiration toxicity

Not classified based on available information.

### Components:

### tribenuron-methyl (ISO):

The substance does not have properties associated with aspiration hazard potential.

### Further information

### Product:

Remarks : No data available

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## SECTION 12. ECOLOGICAL INFORMATION

### Ecotoxicity

### Product:

Toxicity to fish : LC50 (Oncorhynchus mykiss (rainbow trout)): > 130 mg/l  
Exposure time: 96 h  
Method: OECD Test Guideline 203  
Remarks: (Data on the product itself)

Toxicity to daphnia and other : EC50 (Daphnia magna (Water flea)): > 130 mg/l  
aquatic invertebrates  
Exposure time: 48 h  
Method: OECD Test Guideline 202  
Remarks: (Data on the product itself)

Toxicity to algae/aquatic : EC50 (Lemna gibba (duckweed)): 0.0029 mg/l  
plants  
End point: Frond  
Exposure time: 14 d  
Method: US EPA Test Guideline OPP 122-2 & 123-2  
Remarks: (Data on the product itself)  
Information source: Internal study report

ErC50 (Pseudokirchneriella subcapitata (microalgae)): > 0.16 mg/l  
Exposure time: 72 h  
Method: OECD Test Guideline 201  
Remarks: (Data on the product itself)  
Information source: Internal study report

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Toxicity to soil dwelling organisms : LC50 (*Eisenia fetida* (earthworms)): > 1,000 mg/kg  
Exposure time: 14 d  
Method: OECD Test Guideline 207  
GLP: yes  
Remarks: Information source: Internal study report

Toxicity to terrestrial organisms : LD50 (*Apis mellifera* (bees)): > 112.2 µg/bee  
Exposure time: 48 h  
End point: Acute oral toxicity  
Method: OECD Test Guideline 213  
GLP: yes  
Remarks: Information source: Internal study report

LD50 (*Apis mellifera* (bees)): > 100 µg/bee  
Exposure time: 48 h  
End point: Acute contact toxicity  
Method: OECD Test Guideline 214  
GLP: yes  
Remarks: Information source: Internal study report

### Components:

#### **tribenuron-methyl (ISO):**

Toxicity to fish : LC50 (*Oncorhynchus mykiss* (rainbow trout)): 738 mg/l  
Exposure time: 96 h

Toxicity to daphnia and other aquatic invertebrates : EC50 (Crustaceans): > 320 mg/l  
Exposure time: 48 h

EC50 (*Daphnia magna* (Water flea)): > 894 mg/l  
Exposure time: 48 h

Toxicity to algae/aquatic plants : EC50 (*Pseudokirchneriella subcapitata* (green algae)): 0.0208 mg/l  
Exposure time: 120 h

EC50 (*Lemna gibba* (duckweed)): 0.00424 mg/l  
Exposure time: 14 d

Toxicity to fish (Chronic toxicity) : NOEC (*Cyprinodon variegatus* (sheepshead minnow)): 114 mg/l  
Exposure time: 21 d  
Method: OECD Test Guideline 211

NOEC (*Oncorhynchus mykiss* (rainbow trout)): 560 mg/l  
Exposure time: 21 d

Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) : NOEC (*Daphnia magna* (Water flea)): 41 mg/l  
Exposure time: 21 d

Toxicity to soil dwelling organisms : NOEC (*Eisenia fetida* (earthworms)): 3.2 mg/kg

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ganisms Exposure time: 56 d

Toxicity to terrestrial organisms : LD50 (Colinus virginianus (Bobwhite quail)): > 2,250 mg/kg

LD50 (Colinus virginianus (Bobwhite quail)): > 5,620 ppm  
Remarks: Dietary

LD50 (Anas platyrhynchos (Mallard duck)): > 5,620 ppm  
Remarks: Dietary

LD50 (Apis mellifera (bees)): > 98.4 µg/bee  
Exposure time: 48 h  
End point: Acute contact toxicity

LD50 (Apis mellifera (bees)): > 9.1 µg/bee  
Exposure time: 48 h  
End point: Acute oral toxicity

### Ecotoxicology Assessment

Acute aquatic toxicity : Very toxic to aquatic life.

Chronic aquatic toxicity : Very toxic to aquatic life with long lasting effects.

### thifensulfuron-methyl (ISO):

Toxicity to fish : LC50 (Salmo gairdneri): 100 mg/l  
Exposure time: 96 h

LC50 (Oncorhynchus mykiss (rainbow trout)): > 250 mg/l  
Exposure time: 96 h

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): 470 mg/l  
Exposure time: 48 h

Toxicity to algae/aquatic plants : IC50 (green algae): 0.0159 mg/l  
Exposure time: 72 h

ErC50 (Raphidocelis subcapitata (freshwater green alga)): 1.4 mg/l  
Exposure time: 72 h

EC50 (Lemna minor (duckweed)): 1.3 µg/l

Toxicity to fish (Chronic toxicity) : NOEC (Salmo gairdneri): 250 mg/l  
Exposure time: 28 d

NOEC (Oncorhynchus mykiss (rainbow trout)): 10.6 mg/l  
Exposure time: 21 d

Toxicity to daphnia and other aquatic invertebrates (Chronic) : NOEC (Daphnia magna (Water flea)): 100 mg/l  
Exposure time: 21 d

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ic toxicity)

Toxicity to soil dwelling organisms : LC50 (*Eisenia fetida* (earthworms)): > 2,000 mg/kg

Toxicity to terrestrial organisms : LD50 (*Anas platyrhynchos* (Mallard duck)): > 2,510 mg/kg

LD50 (*Anas platyrhynchos* (Mallard duck)): > 5,620 ppm  
Remarks: Dietary

LD50 (*Colinus virginianus* (Bobwhite quail)): > 5,620 ppm

LD50 (*Apis mellifera* (bees)): > 7.1 µg/bee  
End point: Acute oral toxicity

LD50 (*Apis mellifera* (bees)): > 100 µg/bee  
End point: Acute contact toxicity

### Ecotoxicology Assessment

Acute aquatic toxicity : Very toxic to aquatic life.

Chronic aquatic toxicity : Very toxic to aquatic life with long lasting effects.

### Persistence and degradability

#### Product:

Biodegradability : Result: Not readily biodegradable.  
Remarks: Estimation based on data obtained on active ingredient.

#### Components:

##### **tribenuron-methyl (ISO):**

Biodegradability : Biodegradation: 29.4 %  
Exposure time: 28 d

##### **thifensulfuron-methyl (ISO):**

Biodegradability : Remarks: Not readily biodegradable.  
Primary degradation half-lives vary with circumstances, from a few days to a few weeks in aerobic water and soil.

### Bioaccumulative potential

#### Product:

Bioaccumulation : Remarks: Does not bioaccumulate.  
Estimation based on data obtained on active ingredient.

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### Components:

#### **tribenuron-methyl (ISO):**

Bioaccumulation : Bioconcentration factor (BCF): < 1  
Remarks: Does not bioaccumulate.

Partition coefficient: n-octanol/water : log Pow: -0.38

#### **thifensulfuron-methyl (ISO):**

Bioaccumulation : Bioconcentration factor (BCF): 1  
Remarks: Does not bioaccumulate.

### **Mobility in soil**

#### Product:

Distribution among environmental compartments : Remarks: Under normal conditions the active ingredient/s is/are of high to intermediate mobility in soil. There is a potential for leaching to groundwater.

### Components:

#### **tribenuron-methyl (ISO):**

Distribution among environmental compartments : Remarks: Under normal conditions the active ingredient/s is/are of high to intermediate mobility in soil. There is a potential for leaching to groundwater.

#### **thifensulfuron-methyl (ISO):**

Distribution among environmental compartments : Koc: 28.3, log Koc: 1.45  
Remarks: Highly mobile in soils

Stability in soil :

### **Other adverse effects**

#### Product:

Additional ecological 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 washwaters or rinsate.  
  
An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.  
Very toxic to aquatic life with long lasting effects.



# SAFETY DATA SHEET

according to the Hazardous Products Regulations



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### SECTION 13. DISPOSAL CONSIDERATIONS

#### Disposal methods

- Waste from residues : The product should not be allowed to enter drains, water courses or the soil.  
Do not contaminate ponds, waterways or ditches with chemical or used container.  
Send to a licensed waste management company.
- Contaminated packaging : Empty remaining contents.  
Do not re-use empty containers.  
Packaging that is not properly emptied must be disposed of as the unused product.  
Empty containers should be taken to an approved waste handling site for recycling or disposal.

### SECTION 14. TRANSPORT INFORMATION

#### International Regulations

##### UNRTDG

- UN number : UN 3077
- Proper shipping name : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.  
(Thifensulfuron-methyl, Tribenuron-methyl)
- Class : 9
- Subsidiary risk : ENVIRONM.
- Packing group : III
- Labels : 9 (ENVIRONM.)
- Environmentally hazardous : yes

##### IATA-DGR

- UN/ID No. : UN 3077
- Proper shipping name : Environmentally hazardous substance, solid, n.o.s.  
(Thifensulfuron-methyl, Tribenuron-methyl)
- Class : 9
- Packing group : III
- Labels : Miscellaneous
- Packing instruction (cargo aircraft) : 956
- Packing instruction (passenger aircraft) : 956
- Environmentally hazardous : yes

##### IMDG-Code

- UN number : UN 3077
- Proper shipping name : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.  
(Thifensulfuron-methyl, Tribenuron-methyl)
- Class : 9
- Packing group : III

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Labels : 9  
EmS Code : F-A, S-F  
Marine pollutant : yes

### Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable for product as supplied.

### Domestic regulation

#### TDG

Not regulated as a dangerous good

### Special precautions for user

The transport classification(s) provided herein are for informational purposes only, and solely based upon the properties of the unpackaged material as it is described within this Safety Data Sheet. Transportation classifications may vary by mode of transportation, package sizes, and variations in regional or country regulations.

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## SECTION 15. REGULATORY INFORMATION

### The ingredients of this product are reported in the following inventories:

TCSI	: Not in compliance with the inventory
TSCA	: Product contains substance(s) not listed on TSCA inventory.
AIIC	: Not in compliance with the inventory
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. Read the PCPA label, authorized under the Pest Control Products Act, prior to using or handling this pest control product.
ENCS	: Not in compliance with the inventory
ISHL	: Not in compliance with the inventory
KECI	: Not in compliance with the inventory
PICCS	: Not in compliance with the inventory
IECSC	: Not in compliance with the inventory
NZIoC	: Not in compliance with the inventory
TECI	: Not in compliance with the inventory

### Canadian lists

No substances are subject to a Significant New Activity Notification.

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### PMRA/PCPA Information

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. These requirements differ from the classification criteria and hazard information required for GHS-consistent safety data sheets. The following is the hazard information required on the pest control product label; Read the label, authorized under the Pest Control Products Act, prior to using or handling the pest control product

### CAUTION

Avoid contact with skin, eyes and clothing., Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals., Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet., Remove and wash contaminated clothing before reuse.

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## SECTION 16. OTHER INFORMATION

### Full text of other abbreviations

AIIC - Australian Inventory of Industrial Chemicals; ANTT - National Agency for Transport by Land of Brazil; ASTM - American Society for the Testing of Materials; bw - Body weight; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECx - Concentration associated with x% response; 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; 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; n.o.s. - Not Otherwise Specified; Nch - Chilean Norm; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NOM - Official Mexican Norm; 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; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; TDG - Transportation of Dangerous Goods; 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; WHMIS - Workplace Hazardous Materials Information System

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End of Material Safety Data Sheet