

SAFETY DATA SHEET



Trifix Herbicide

Version	Revision Date:	SDS Number:	Date of last issue: -
1.0	24.09.2026	50000143	Date of first issue: 24.09.2026

This Safety Data Sheet adheres to the standards and regulatory requirements of New Zealand and may not meet the regulatory requirements in other countries.

Section 1: Identification

Product name : Trifix Herbicide

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

Company : FMC New Zealand Ltd

Address : Building B, Suite G.01, 12 Julius Avenue
North Ryde NSW 2113
Australia

Telephone : 1 800 066 355

Telefax : (02) 9923 6011

E-mail address : SDS-Info@fmc.com

Emergency telephone number : For leak, fire, spill or accident emergencies, call:
0800 734 607 (Ixm)

Medical emergency:
0800 764 766 (NZ Poisons Information Centre)
0800 111174 (24 hour Medical Emergency)
0800 387668 (Transport Emergency)

Section 2: Hazard identification

GHS Classification

Serious eye damage/eye irritation : Category 1

Carcinogenicity : Category 2

Hazardous to the aquatic environment - acute hazard : Category 1

Hazardous to the aquatic environment - chronic hazard : Category 1

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Hazardous to the environment : Hazardous to soil organisms

GHS label elements

Hazard pictograms



Signal word : Danger

Hazard statements : H318 Causes serious eye damage.
H351 Suspected of causing cancer.
H410 Very toxic to aquatic life with long lasting effects.
H423 Harmful to the soil environment.

Precautionary statements : P103 Read carefully and follow all instructions.

Prevention:

P201 Obtain special instructions before use.
P202 Do not handle until all safety precautions have been read and understood.
P273 Avoid release to the environment.
P280 Wear protective gloves/ protective clothing/ eye protection/ face protection/ hearing protection.

Response:

P305 + P351 + P338 + P310 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER/ doctor.
P308 + P313 IF exposed or concerned: Get medical advice/ attention.
P391 Collect spillage.

Storage:

P405 Store locked up.

Disposal:

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

Other hazards which do not result in classification

None known.

Section 3: Composition/information on ingredients

Substance / Mixture : Mixture

Components

Chemical name	CAS-No.	Concentration (% w/w)
triflurosulfuron-methyl	126535-15-7	>= 30 -< 50

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Talc ($\text{Mg}_3\text{H}_2(\text{SiO}_3)_4$)	14807-96-6	≥ 10 -< 20
Sucrose	57-50-1	≥ 10 -< 20

Section 4: First-aid measures

- General advice : Move out of dangerous area.
Show this safety data sheet to the doctor in attendance.
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 exposure. 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.
If on skin, rinse well with water.
Wash off with soap and plenty of water.
Get medical attention if irritation develops and persists.
- In case of eye contact : Immediately flush eye(s) with plenty of water.
Remove contact lenses.
Protect unharmed eye.
Keep eye wide open while rinsing.
- If swallowed : Obtain medical attention.
If swallowed, DO NOT induce vomiting unless directed to do so by medical personnel.
Rinse mouth with water.
Never give anything by mouth to an unconscious person.
- General Symptoms : Causes serious eye damage.
Suspected of causing cancer.
- Symptoms After Inhalation : None known.
- Symptoms After Skin Contact : None known.
- Symptoms After Eye Contact : None known.
- Symptoms After Swallowing : None known.
- Protection of first-aiders : First Aid responders should pay attention to self-protection and use the recommended protective clothing
Avoid inhalation, ingestion and contact with skin and eyes.
If potential for exposure exists refer to Section 8 for specific personal protective equipment.

Section 5: Fire-fighting measures

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Suitable extinguishing media : Dry chemical, CO₂, water spray or regular foam.
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.
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.
Carbon oxides
Nitrogen oxides (NO_x)
Sulphur oxides
Fluorine compounds

Specific extinguishing methods : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
If it can be safely done, move undamaged containers away from the fire.

Standard procedure for chemical fires.
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 : Use personal protective equipment.

Firefighters should wear protective clothing and self-contained breathing apparatus.
Wear self-contained breathing apparatus for firefighting if necessary.

Hazchem Code : 2Z

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.

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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 : Never return spills in original containers for re-use.
Pick up and transfer to properly labeled containers without creating dust.

Section 7: Handling and storage

Advice on protection against fire and explosion : Normal measures for preventive fire protection.

Avoid dust formation.
Provide appropriate exhaust ventilation at machinery and at places where dust can be generated.

Advice on safe handling : Avoid formation of respirable particles.
Do not breathe vapours/dust.
Avoid exposure - obtain special instructions before use.
Avoid contact with skin and eyes.
For personal protection see section 8.
Smoking, eating and drinking should be prohibited in the application area.
Dispose of rinse water in accordance with local and national regulations.
Persons with a history of skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.

Hygiene measures : When using do not eat or drink.
When using do not smoke.
Wash hands and face before breaks and immediately after handling the product.

General industrial hygiene practice.
Do not breathe dust.
Avoid contact with skin, eyes and clothing.

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

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the technological safety standards.
Observe label precautions.

Further information on storage conditions : The product is stable under normal conditions of warehouse storage (0 - 40°C). Protect from frost and extreme heat. Store in closed, labelled containers. The storage room should be constructed of incombustible material, closed, dry, ventilated and with impermeable floor, without access of unauthorised persons or children. A warning sign reading "POISON" is recommended. 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.

Recommended storage temperature : 5 - 30 °C

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

Section 8: Exposure controls/personal protection

Components with workplace control parameters

Components	CAS-No.	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
Talc ($\text{Mg}_3\text{H}_2(\text{SiO}_3)_4$)	14807-96-6	WES-TWA	0.1 fibres per millilitre (asbestos)	NZ OEL
		Further information: Confirmed carcinogen		
		WES-TWA (Respirable dust)	2 mg/m ³	NZ OEL
		TWA	0.1 fibres per cubic centimeter	ACGIH
Sucrose	57-50-1	TWA (Respirable particulate matter)	2 mg/m ³	ACGIH
		WES-TWA	10 mg/m ³	NZ OEL
		TWA	10 mg/m ³	ACGIH

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.

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| 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
Wear face-shield and protective suit for abnormal processing problems. |
| 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. |
| 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 instructions for use. |

Section 9: Physical and chemical properties

- | | |
|--|---|
| Physical state | : solid |
| Form | : powder |
| Colour | : brown |
| Odour | : odourless |
| Odour Threshold | : No data available |
| pH | : 8.6 |
| | Concentration: 1 % |
| Melting point/freezing point | : Decomposition |
| Boiling point/boiling range | : Decomposition |
| Flash point | : Not applicable |
| Evaporation rate | : Not available for this mixture. |
| Flammability (solid, gas) | : Does not sustain combustion. |
| Self-ignition | : > 140 °C
not auto-flammable |
| Upper explosion limit / Upper flammability limit | : No data available |
| Lower explosion limit / Lower flammability limit | : No data available |
| Vapour pressure | : Not available for this mixture. |
| Relative vapour density | : not determined |
| Relative density | : No data available |
| Density | : No data available |
| Bulk density | : 0.73 g/m3
loose
0.79 g/m3
packed |
| Solubility(ies) | |
| Water solubility | : Miscible |

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Solubility in other solvents	: No data available
Partition coefficient: n-octanol/water	: Not available for this mixture.
Auto-ignition temperature	: No data available
Decomposition temperature	: Not available for this mixture.
Viscosity	
Viscosity, dynamic	: Not applicable
Viscosity, kinematic	: not determined
Explosive properties	: Not explosive
Oxidizing properties	: The product is not oxidizing.
Surface tension	: Not applicable
Molecular weight	: Not applicable
Minimum ignition energy	: 250 - 500 mJ
Particle characteristics	
Particle size	: No data available
Particle Size Distribution	: No data available

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. Avoid extreme temperatures Avoid dust formation. Heating of the mixture may evolve harmful and irritant vapours.
Incompatible materials	: Avoid strong acids, bases, and oxidizers
Hazardous decomposition products	: Stable under recommended storage conditions.

Section 11: Toxicological information

Acute toxicity

Based on available data, the classification criteria are not met.

Product:

Acute oral toxicity	: LD50 (Rat): > 5,000 mg/kg Method: OECD Test Guideline 401 GLP: yes
Acute inhalation toxicity	: LC50 (Rat): > 6.1 mg/l Exposure time: 4 Hour Test atmosphere: dust/mist

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Method: OECD Test Guideline 403
GLP: yes

Acute dermal toxicity : LD50 (Rabbit): > 2,000 mg/kg
Method: OECD Test Guideline 402
GLP: yes
Assessment: The component/mixture is minimally toxic after single contact with skin.

Components:

triflusulfuron-methyl:

Acute oral toxicity : LD50 (Rat): > 5,000 mg/kg
Method: OECD Test Guideline 401

Acute inhalation toxicity : LC50 (Rat): > 5.1 mg/l
Exposure time: 4 Hour
Test atmosphere: dust/mist
Method: OECD Test Guideline 403

Acute dermal toxicity : LD50 (Rabbit): > 2,000 mg/kg
Method: OECD Test Guideline 402

Talc (Mg₃H₂(SiO₃)₄):

Acute oral toxicity : LD0 (Rat, male): > 5,000 mg/kg
Method: OECD Test Guideline 423
Remarks: no mortality

Acute inhalation toxicity : LC0 (Rat, male and female): > 2.1 mg/l
Exposure time: 4 Hour
Test atmosphere: dust/mist
Method: OECD Test Guideline 403
Remarks: no mortality

Acute dermal toxicity : LD0 (Rat, male and female): > 2,000 mg/kg
Method: OECD Test Guideline 402
Remarks: no mortality

Sucrose:

Acute oral toxicity : LD50 (Rat): 29,700 mg/kg

Skin corrosion/irritation

Based on available data, the classification criteria are not met.

Product:

Species : Rabbit
Assessment : No skin irritation
Method : OECD Test Guideline 404
Result : No skin irritation
GLP : yes

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Components:**triflusulfuron-methyl:**

Species	:	Rabbit
Method	:	OECD Test Guideline 404
Result	:	No skin irritation

Talc (Mg₃H₂(SiO₃)₄):

Species	:	reconstructed human epidermis (RhE)
Result	:	No skin irritation

Serious eye damage/eye irritation

Causes serious eye damage.

Product:

Species	:	Rabbit
Result	:	No eye irritation
Assessment	:	No eye irritation
Method	:	OECD Test Guideline 405
GLP	:	yes
Result	:	Irreversible effects on the eye

Components:**triflusulfuron-methyl:**

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

Talc (Mg₃H₂(SiO₃)₄):

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

Respiratory or skin sensitisation**Skin sensitisation**

Based on available data, the classification criteria are not met.

Respiratory sensitisation

Based on available data, the classification criteria are not met.

Product:

Test Type	:	Maximisation Test
Species	:	Guinea pig
Method	:	OECD Test Guideline 406
Result	:	Animal test did not cause sensitization by skin contact.
GLP	:	yes

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Components:**triflusulfuron-methyl:**

Species	:	Guinea pig
Method	:	OECD Test Guideline 406
Result	:	Does not cause skin sensitisation.

Talc (Mg₃H₂(SiO₃)₄):

Test Type	:	Maximisation Test
Exposure routes	:	Dermal
Species	:	Guinea pig
Method	:	OECD Test Guideline 406
Result	:	Does not cause skin sensitisation.

Exposure routes	:	Inhalation
Species	:	Rat
Result	:	Does not cause respiratory sensitisation.

Chronic toxicity**Germ cell mutagenicity**

Based on available data, the classification criteria are not met.

Product:

Germ cell mutagenicity - Assessment	:	Contains no ingredient listed as a mutagen
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Components:**triflusulfuron-methyl:**

Genotoxicity in vitro	:	Test Type: Ames test Result: negative
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Germ cell mutagenicity - Assessment	:	Weight of evidence does not support classification as a germ cell mutagen.
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Talc (Mg₃H₂(SiO₃)₄):

Genotoxicity in vitro	:	Test Type: In vitro mammalian cell gene mutation test Result: negative
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Test Type: gene mutation test
Method: QSAR
Result: negative

Test Type: reverse mutation assay
Result: negative

Genotoxicity in vivo	:	Test Type: dominant lethal test Species: Rat (male) Application Route: Oral Result: negative
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Germ cell mutagenicity - Assessment : Weight of evidence does not support classification as a germ cell mutagen.

Carcinogenicity

Suspected of causing cancer.

Product:

Carcinogenicity - Assessment : Limited evidence of carcinogenicity in animal studies

Components:

triflusulfuron-methyl:

Species : Rat, male
Dose : > 30 mg/kg/ bw/day
Method : OECD Test Guideline 453
Symptoms : Leydig-cell adenoma

Carcinogenicity - Assessment : Limited evidence of carcinogenicity in animal studies

Talc (Mg₃H₂(SiO₃)₄):

Species : Rat, male and female
Application Route : Oral
Exposure time : 101 days
Dose : 100 mg/kg bw/day
NOAEL : 100 mg/kg bw/day
Method : OECD Test Guideline 453
Result : negative
Target Organs : Stomach
Tumor Type : Leiomyosarcoma

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

Reproductive toxicity

Based on available data, the classification criteria are not met.

Product:

Reproductive toxicity - Assessment : Contains no ingredient listed as toxic to reproduction

Components:

Talc (Mg₃H₂(SiO₃)₄):

Effects on fertility : Species: Rabbit, female
Application Route: Oral
Dose: 9, 42, 195, 900 mg/kg bw/day
General Toxicity - Parent: NOAEL: > 900 mg/kg body weight
General Toxicity F1: NOAEL: > 900 mg/kg body weight
Result: negative

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Effects on foetal development : Test Type: reproductive and developmental toxicity study
Species: Rat
Application Route: Oral
Dose: 0,16,74,350,1600mg/kg bw/day
Duration of Single Treatment: 20 Day
General Toxicity Maternal: NOAEL: $\geq$ 1,600 mg/kg bw/day
Embryo-foetal toxicity: NOAEL: 1,600 mg/kg bw/day
Result: negative

Reproductive toxicity - Assessment : Weight of evidence does not support classification for reproductive toxicity

STOT - single exposure

Based on available data, the classification criteria are not met.

Product:

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

Components:

triflusulfuron-methyl:

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

Talc ($\text{Mg}_3\text{H}_2(\text{SiO}_3)_4$):

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

STOT - repeated exposure

Based on available data, the classification criteria are not met.

Product:

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

Components:

triflusulfuron-methyl:

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

Repeated dose toxicity

Components:

Talc ($\text{Mg}_3\text{H}_2(\text{SiO}_3)_4$):

Species : Rat, male and female
NOAEL : 100 mg/kg
Application Route : Oral - feed

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Exposure time	:	101 d
Dose	:	100 mg/kg bw/day
Species	:	Rat, male and female
NOAEL	:	2 mg/m ³
LOAEL	:	6 mg/m ³
Application Route	:	inhalation (dust/mist/fume)
Test atmosphere	:	dust/mist
Exposure time	:	20 d
Dose	:	0, 2, 6, 18 mg/m ³

Aspiration toxicity

Based on available data, the classification criteria are not met.

Product:

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

Components:

triflusulfuron-methyl:

No aspiration toxicity classification

Section 12: Ecological information

Ecotoxicity

Product:

Toxicity to fish	:	LC50 (Fish): 150 mg/l Exposure time: 96 Hour Test Type: static test Method: OECD Test Guideline 203
Toxicity to daphnia and other aquatic invertebrates	:	EC50 (Daphnia (water flea)): 1,200 mg/l Exposure time: 48 Hour Method: OECD Test Guideline 202
Toxicity to algae/aquatic plants	:	ErC50 (Pseudokirchneriella subcapitata (green algae)): 0.430 mg/l Exposure time: 72 Hour Method: OECD Test Guideline 201 GLP: yes EC50 (Lemna gibba (duckweed)): 0.0043 mg/l Exposure time: 14 Day Method: ASTM E 1415-91 GLP: yes
Toxicity to soil dwelling organisms	:	LC50 (Eisenia fetida (earthworms)): > 1,000 mg/kg Exposure time: 14 Day Method: OECD Test Guideline 207 GLP: yes

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Remarks: (Data on the product itself)
Information source: Internal study report

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

Ecotoxicology Assessment

Toxicity Data on Soil : Harmful to the soil environment.

Components:**triflusulfuron-methyl:**

Toxicity to fish : LC50 (Oncorhynchus mykiss (rainbow trout)): 730 mg/l
Exposure time: 96 Hour
Method: OECD Test Guideline 203

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): > 884 mg/l
Exposure time: 48 Hour
Method: OECD Test Guideline 202

Toxicity to algae/aquatic plants : ErC50 (Pseudokirchneriella subcapitata (green algae)): 0.5 mg/l
Exposure time: 72 Hour
Method: OECD Test Guideline 201

ErC50 (Lemna gibba (gibbous duckweed)): 0.0035 mg/l
Exposure time: 14 Hour
Method: ASTM E 1415-91

EC50 (green algae): 0.62 mg/l
Exposure time: 98 Hour

M-Factor (Acute aquatic toxicity) : 1

Toxicity to fish (Chronic toxicity) : NOEC (Oncorhynchus mykiss (rainbow trout)): 210 mg/l
Exposure time: 21 Day
Method: OECD Test Guideline 204

Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) : NOEC (Daphnia magna (Water flea)): 11 mg/l
Exposure time: 21 Day

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M-Factor (Chronic aquatic toxicity) : 1

Toxicity to soil dwelling organisms : LC50 (*Eisenia fetida* (earthworms)): > 1,000 mg/kg
Exposure time: 14 Day

Toxicity to terrestrial organisms : LC50 (*Colinus virginianus* (Bobwhite quail)): > 2,250 mg/kg
Method: EPA OPP 71-1

LC50 (*Anas platyrhynchos* (Mallard duck)): > 5,620 mg/kg
Method: EPA OPP 71-1

LD50 (*Apis mellifera* (bees)): > 25 µg/bee
End point: Acute contact toxicity

Talc (Mg₃H₂(SiO₃)₄):

Toxicity to fish : LC50 (Fish): 89,581.016 mg/l
Exposure time: 96 Hour
Method: QSAR

Toxicity to daphnia and other aquatic invertebrates : LC50 (*Daphnia magna* (Water flea)): 36,812.359 mg/l
Exposure time: 48 Hour
Method: QSAR

Toxicity to algae/aquatic plants : NOEC (green algae): 918.089 mg/l
Exposure time: 30 Day
Method: QSAR

EC50 (green algae): 7,202.7 mg/l
Exposure time: 96 Hour
Method: QSAR

Toxicity to fish (Chronic toxicity) : NOEC (Fish): 1,412.648 mg/l
Exposure time: 30 Day
Method: QSAR

Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) : NOEC (*Daphnia* (water flea)): 1,459.798 mg/l
Exposure time: 30 Day
Method: QSAR

Sucrose:

Toxicity to fish : Remarks: No data available

Persistence and degradability

Product:

Biodegradability : Result: Not readily biodegradable.
Remarks: Estimation based on data obtained on active ingredient.
Product contains minor amounts of not readily biodegradable components, which may not be degradable in waste water

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treatment plants.

Components:

triflusulfuron-methyl:

Biodegradability : Result: Not readily biodegradable.

Stability in water : Remarks: Hydrolyses readily.

Sucrose:

Biodegradability : Remarks: No data available

Bioaccumulative potential

Product:

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

Components:

triflusulfuron-methyl:

Bioaccumulation : Remarks: Does not bioaccumulate.

Partition coefficient: n-octanol/water : log Pow: 0.96 (25 °C)
pH: 7

log Pow: 2.3 (25 °C)
pH: 5

log Pow: -0.07 (25 °C)
pH: 9

Talc (Mg₃H₂(SiO₃)₄):

Bioaccumulation : Bioconcentration factor (BCF): 3.16
Method: QSAR

Partition coefficient: n-octanol/water : log Pow: -9.4 (25 °C)
pH: 7
Method: QSAR

Mobility in soil

Product:

Distribution among environmental compartments : Remarks: Moderately mobile in soil at low pH.
Very mobile at high pH.
Estimation based on data obtained on active ingredient.

Components:

triflusulfuron-methyl:

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Version 1.0	Revision Date: 24.09.2026	SDS Number: 50000143	Date of last issue: - Date of first issue: 24.09.2026
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Distribution among environmental compartments : Remarks: Moderately mobile in soil at low pH.
Very mobile at high pH.

Other adverse effects

Product:

Additional ecological information : See product label for additional application instructions relating to environmental precautions.

Endocrine disrupting properties

No data available

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.
Triple rinse containers.
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. (Triflusulfuron-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. (Triflusulfuron-methyl)
Class : 9
Packing group : III
Labels : Miscellaneous
Packing instruction (cargo aircraft) : 956

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Packing instruction (passenger aircraft) : 956

Environmentally hazardous : yes

IMDG-Code

UN number : UN 3077

Proper shipping name : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Triflusulfuron-methyl)

Class : 9

Packing group : III

Labels : 9

EmS Code : F-A, S-F

Marine pollutant : yes

Remarks : Environmentally hazardous substances/Marine Pollutants in single or combination packaging containing a net quantity per single or inner packaging of 5 kg or less for solids, or having a net quantity per single or inner packaging of 5 L or less for liquids may be transported as non-dangerous goods as provided in special provision A197 of the IATA and section 2.10.2.7 of IMDG code.

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

Not applicable for product as supplied.

National Regulations

NZS 5433

UN number : UN 3077

Proper shipping name : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Triflusulfuron-methyl)

Class : 9

Packing group : III

Labels : 9

Hazchem Code : 2Z

Marine pollutant : yes

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.

Section 15: Regulatory information

Safety, health and environmental regulations/legislation specific for the substance or mixture

HSNO Approval Number

HSR101715

ACVM number: P009850

Tolerable Exposure Limits (TEL)

Not applicable

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Environmental Exposure Limits (EEL)

Not applicable

The components of this product are reported in the following inventories:

TW TCSI	: On the inventory, or in compliance with the inventory
US TSCA	: Product contains substance(s) not listed on TSCA inventory.
AU AIIC	: Not in compliance with the inventory
CA. DSL	: This product contains the following components that are not on the Canadian DSL nor NDSL. METHYL 2-({[4-(DIMETHYLAMINO)-6-(2,2,2-TRIFLUOROETHOXY)-1,3,5-TRIAZIN-2-YL]CARBAMOYL}SULFAMOYL)-3-METHYLBENZOATE Chlorite-group minerals dolomite
JP ENCS	: Not in compliance with the inventory
JP ISHL	: Not in compliance with the inventory
KR KECI	: Not in compliance with the inventory
PH PICCS	: Not in compliance with the inventory
CN IECSC	: Not in compliance with the inventory
NZ NZIoC	: Not in compliance with the inventory
TH TECI	: Not in compliance with the inventory

Section 16: Other information

Revision Date	: 24.09.2026
Date format	: dd.mm.yyyy

Full text of other abbreviations

ACGIH	: USA. ACGIH Threshold Limit Values (TLV)
NZ OEL	: New Zealand. Workplace Exposure Standards for Atmospheric Contaminants
ACGIH / TWA	: 8-hour, time-weighted average
NZ OEL / WES-TWA	: Workplace Exposure Standard - Time Weighted average

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;

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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; 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; MERCOSUR - The Agreement for the Facilitation of the Transport of Dangerous Goods; 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 - 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; 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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