



Safety Data Sheet

Preparation Date 03-Aug-2020

Revision date 20-Nov-2024

Revision Number: 3

1. Identification of the Substance/Preparation and of the Company/Undertaking

Identification of the product

Product Description Strim MTZ Herbicide

Other means of identification

Internal SDS code CA-0001

Registration number(s) PMRA 33753

Recommended use of the chemical and restrictions on use

Recommended use Herbicide.

Uses advised against Activities contrary to label recommendation Non labeled activities

Details of the Supplier of the Safety Data Sheet

Supplier Address

UPL Agrosolutions Canada Inc .
PO Box 12219
Research Triangle Park, NC,
27709

Emergency telephone number

Company Phone Number 1-800-438-6071

Emergency telephone number Chemtrec: (800) 424-9300 (24hrs) or (703) 527-3887
Medical: Rocky Mountain Poison and Drug Safety (866) 673-6671 (24hrs)

2. Hazards Identification

Classification

OSHA Regulatory Status

This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Serious eye damage/eye irritation	Category 1
Specific target organ toxicity (repeated exposure)	Category 2
Aspiration toxicity	Category 1

Label elements

EMERGENCY OVERVIEW

DANGER

Hazard Statements

Causes serious eye damage

May be fatal if swallowed and enters airways

Causes damage to organs through prolonged or repeated exposure
(Blood)



Appearance Clear**Physical state** Liquid**Odor** characteristic**Precautionary Statements - Prevention**

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

IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
Immediately call a POISON CENTER or doctor/physician

IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician

Do NOT induce vomiting

Precautionary Statements - Storage

Store locked up

Precautionary Statements - Disposal

Dispose of contents/container in accordance with local/national regulations

Hazards Not Otherwise Classified (HNOC)**OTHER INFORMATION**

- Toxic to aquatic life

3. Composition/information on Ingredients

Chemical name	CAS No	Weight-%
Metribuzin	21087-64-9	13.5
S-metolachlor	87392-12-9	40.2
petroleum distillates	Proprietary	>36

If CAS number is "proprietary", the specific chemical identity and percentage of composition has been withheld as a trade secret.

4. First aid measures**FIRST AID MEASURES**

Eye contact	Hold eye open and rinse slowly and gently with water for 15 - 20 minutes. Remove contact lenses, if present, after 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.
Skin contact	Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.
Inhalation	Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible. Call a poison control center or doctor for further treatment advice.
Ingestion	Call a physician or poison control center immediately. Clean mouth with water. Do not give any liquids. Never give anything by mouth to an unconscious person.

Most Important Symptoms and Effects, Both Acute and Delayed

Most Important Symptoms and Effects	Inhalation of petroleum distillates may cause dizziness, headache, and nausea. May cause damage to organs through prolonged or repeated exposure. (Blood effects).
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Indication of Any Immediate Medical Attention and Special Treatment Needed

Notes to physician	Contains a petroleum distillate - vomiting may cause aspiration pneumonia.
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5. Fire-fighting measures

Suitable extinguishing media

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable extinguishing media no data available.

Specific hazards arising from the chemical

No information available.

Hazardous combustion products Thermal decomposition or combustion may produce irritating and possibly toxic gases in a fire.

Explosion data**Protective equipment and precautions for firefighters**

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures**Personal Precautions**

Use personal protective equipment. Avoid contact with skin and eyes. ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). Wash thoroughly after handling.

Environmental Precautions**Environmental precautions**

Consult a regulatory specialist to determine appropriate state or local reporting requirements, for assistance in waste characterization and/or hazardous waste disposal and other requirements listed in pertinent environmental permits.

Methods and material for containment and cleaning up**Methods for Clean-Up**

Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Sweep up and shovel into suitable containers for disposal.

7. Handling and Storage

Precautions for safe handling**Handling**

Wear personal protective equipment. Avoid contact with skin, eyes and clothing. Keep away from open flames, hot surfaces and sources of ignition. Do not eat, drink or smoke when using this product. Remove and wash contaminated clothing before re-use. Wash thoroughly after handling. KEEP OUT OF REACH OF CHILDREN AND PETS.

Conditions for safe storage, including any incompatibilities**Storage**

Keep in a dry, cool and well-ventilated place. Keep away from food, drink and animal feeding stuffs.

incompatible materials

No information available.

8. Exposure Controls/Personal Protection

Exposure guidelines

Chemical name	ACGIH TLV	OSHA PEL
Metribuzin	TWA: 5 mg/m ³	(vacated) TWA: 5 mg/m ³

Engineering controls

Investigate engineering techniques to reduce exposures. Local mechanical exhaust ventilation is preferred. Consult ACGIH ventilation manual or NFPA Standard 91 for design of exhaust systems.

Personal protective equipment**Eye/Face Protection**

Where there is potential for eye contact have eye flushing equipment available. Use eye protection to avoid eye contact. If splashes are likely to occur, wear: Goggles. Face-shield. Chemical resistant protective clothing. Chemical resistant footwear plus socks. Chemical resistant gloves. Viton (≥ 14 mls).

Skin protection**Respiratory protection**

None required if hazards have been assessed and airborne concentrations are maintained below the exposure limited listed in Section 8. Wear an approved full-facepiece air-purifying respirator with organic vapor/acid gas cartridge or canister with particulate pre-filter where airborne concentrations may exceed exposure limits in Section 8. Use an approved full-facepiece positive-pressure air-supplied respirator with emergency escape provisions if there is any potential for an uncontrolled release, airborne concentrations are not known, or any other circumstances where air-purifying respirators may not provide adequate protection. Observe respirator use limitations specified by NIOSH or the manufacturer. Respiratory programs must comply with 29CFR 1910.134.

General hygiene considerations

Do not eat, drink or smoke when using this product. Remove and wash contaminated clothing before re-use. Keep away from food, drink and animal feeding stuffs. Avoid contact with skin, eyes and clothing. Wear suitable gloves and eye/face protection. Wash hands before breaks and immediately after handling the product.

9. Physical and Chemical Properties

9.1 Information on basic physical and chemical properties

Appearance	Clear	
Physical state	Liquid	
Odor	characteristic	
color	Light brown	
<u>Property</u>	<u>VALUES</u>	<u>Remarks/ Method</u>
pH	5.70	@20 C (1% solution)
Melting point/freezing point		None known
Boiling Point/Range		None known
Flash Point	102 °C	None known
Evaporation Rate		None known
Flammability (solid, gas)		None known
Specific gravity	1.03 g/ml @ 20 C	None known
Bulk density		None known
Water solubility		Miscible
Solubility in Other Solvents	No information available	None known
Partition coefficient: n-octanol/water		None known
Autoignition temperature		None known
Decomposition temperature		None known
Viscosity		None known

9.2 OTHER INFORMATION- NONE

10. Stability and Reactivity

Reactivity

no data available

Chemical stability

Stable under recommended storage conditions.

Possibility of hazardous reactions

None under normal processing.

Conditions to avoid

Extremes of temperature and direct sunlight.

incompatible materials

No information available.

Hazardous decomposition products

no data available.

11. Toxicological Information**Information on Likely Routes of Exposure**

Product information	TD- Strim MTZ Herbicide Acute oral LD50 (rat) = 2615 mg/kg Acute dermal LD50 (rat) = >2000 mg/kg Acute inhalation LC50 (rat) = >5.323 mg/L
Inhalation	Based on available data, the classification criteria are not met.
Eye contact	Moderately irritating to the eyes.
Skin contact	Prolonged skin contact may cause burns. Based on available data, the classification criteria are not met.
Ingestion	Based on available data, the classification criteria are not met.

Information on Toxicological Effects

Symptoms No information available.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Sensitization	No information available.
Mutagenic effects	no data available.
Carcinogenicity	The information below indicates whether any agency has listed any ingredient as a carcinogen.
Reproductive effects	Not Available.
STOT - Single Exposure	no data available.
STOT - Repeated Exposure	Causes damage to organs through prolonged or repeated exposure.
Target organ effects	liver, Thyroid, Central Nervous System (CNS), blood.
Aspiration hazard	No information available.

Numerical Measures of Toxicity - Product information

LD50 Oral	2615 mg/kg (rat)
LD50 Dermal	> 2000 mg/kg (rat)

12. Ecological Information**ecotoxicity**

Harmful to aquatic life
S-metolachlor
FISH
Rainbow trout 96 hr = 1.23 mg/L
Brown trout 21 day = 0.25 mg/L
ALGAE
Selenastrum capricornutum = 0.0008 mg/L
Aquatic Invertebrates
Daphnia magna 21 day = 5.9 mg/L
BIRDS
Duck LD50 = >2150 mg/kg

metribuzin
FISH - rainbow trout 42 mg/L (96 hr)
DAPHNIA - water flea 4.18 mg/L (48 hr)
ALGAE Pseudokirchneriella subcapitata 0.038 mg/L (96 hr) LOEC

Persistence/Degradability

no data available.

Bioaccumulation/ Accumulation

Bioaccumulative potential.

Chemical name	Log Pow
S-metolachlor 87392-12-9	3.05
petroleum distillates	2.9 - 6.1

Other Adverse Effects

no data available

13. Disposal Considerations**Waste Treatment Methods****Waste Disposal Method**

Pesticide wastes can be hazardous. Improper disposal of excess pesticide or rinsate is a violation of Federal law. If the wastes cannot be disposed of by use or according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

Contaminated packaging

Refer to product label.

14. Transport Information**DOT**

When shipped domestically by highway in non-bulk containers this product can be shipped as not regulated.

When shipped in bulk, by vessel, or internationally refer to the IMDG shipping description:

TDG

When shipped in Canada domestic highway non-bulk this product can be shipped as Not regulated as per TDG 1.45.1

In bulk, by vessel or internationally - use IMDG description

IATA

UN/ID no
Proper shipping name
Hazard class
Packing group
Description

Single or inner packagings less than 5L (liquid) or 5kg net (solids) are excepted from the Dangerous Goods regulations (IATA Special provision A197)

UN3082

Environmentally hazardous substances, liquid, n.o.s (s-metolachlor , Metribuzin)

9

PG III

IMDG - Marine Pollutant

IMDG

UN/ID no
Proper shipping name

Single or inner packaging less than 5L (liquid) or 5 kg net (solids) are excepted from the Dangerous Goods regulations (IMDG 2.10.2.7)

UN3082

Environmentally hazardous substances, liquid, n.o.s (s-metolachlor , Metribuzin)

Hazard class	9
Packing group	PG III
Environmental hazards	IMDG - Marine Pollutant

15. Regulatory Information

This chemical/product is a pesticide product registered by the PMRA and is subject to specific label requirements under these regulations. The requirements may differ classification and hazard information required for safety data sheets and for labels of non-pesticide products. The following is information as required on the registered product label.

signal word CAUTION

Harmful if swallowed. Can cause eye irritation. Toxic to aquatic organisms. and non-target terrestrial plants.

International Inventories

USINV	Not present
DSL/NDSL	Not present
EINECS/	Not Present
ELINCS	
ENCS	Not Present
China	Not Present
KECL	Not Present
PICCS	Not Present
AICS	Not Present
TSCA	Not Present

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory
DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List
EINECS/ELINCS - European Inventory of Existing Commercial Chemical Substances/EU List of Notified Chemical Substances
ENCS - Japan Existing and New Chemical Substances
IECSC - China Inventory of Existing Chemical Substances
KECL - Korean Existing and Evaluated Chemical Substances
PICCS - Philippines Inventory of Chemicals and Chemical Substances
AICS - Australian Inventory of Chemical Substances

Federal Regulations

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

CERCLA

Not applicable

CERCLA

RCRA

Pesticide Information

Component	FIFRA - Restricted Use	FIFRA - Pesticide Product Other Ingredients	FIFRA - Listing of Pesticide Chemicals	California Pesticides - Restricted Materials
Metribuzin 21087-64-9 (13.5)			X	
S-metolachlor 87392-12-9 (40.2)			X	
petroleum distillates (>36)			X	

State Regulations

California Proposition 65

This product does not contain any Proposition 65 chemicals

State Right-to-Know

Chemical name	Massachusetts	New Jersey	Pennsylvania	Illinois	Rhode Island
Metribuzin - 21087-64-9	X	X	X		

International regulations**U.S. EPA Label information**

EPA Pesticide registration number PMRA 33753

16. Other Information**NFPA**

HEALTH 2

flammability 1

Instability 0

Physical hazard -

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Revision date 20-Nov-2024

Revision Summary

Update section 2 Update section 4 Update section 11 Update section 14

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End of SDS