

SAFETY DATA SHEET
Thifensulfuron Methyl Technical

SDS # : 50000140
Revision date: 31/08/2021

Version 3



1. PRODUCT AND COMPANY IDENTIFICATION

Product Identifier

Product Name Thifensulfuron Methyl Technical

Other means of identification

Product Code(s) 50000140; 130000000038-CL-A

Synonyms THIFENSULFURON- METHYL: methyl
3-[[[(4-methoxy-6-methyl-1,3,5-triazin-2-yl)amino]carbonyl]amino]sulfonyl]-2-thiophenecarboxylate (CAS name); methyl
3-(4-methoxy-6-methyl-1,3,5-triazin-2-ylcarbamoysulfamoyl)thiophene-2-carboxylate (IUPAC name)

Recommended use of the chemical and restrictions on use

Recommended Use: Technical product for formulation purpose only, Herbicide.

Restrictions on Use: Use as recommended by the label.

Supplier Address

FMC Corporation
2929 Walnut Street
Philadelphia, PA 19104
(215) 299-6000 (General Information)
msdsinfo@fmc.com (E-Mail General Information)

Distributor FMC Quimica Chile Ltda.

Emergency telephone number CHEMTREC Chile - Santiago: +56 2 2581 4934; CHEMTREC - International: 1 703 741-5970; Spills / CITUC fire (24 hours) +56 2 2247 3600; Firefighters: 132 (24 hours)

Toxicological information telephone number in Chile: Cituc / Afipa +56 2 6353800 (24 hours); FMC Química Chile Ltda. : +56 2 28204200

2. HAZARDS IDENTIFICATION

Classification

This material is considered a dangerous substance or mixture according to the Globally Harmonized System (GHS)

GHS Label elements, including precautionary statements

EMERGENCY OVERVIEW

Warning

Hazard Statements

H410 - Very toxic to aquatic life with long lasting effects

**Precautionary Statements - Prevention**

P273 - Avoid release to the environment

Precautionary Statements - Response

P391 - Collect spillage

Precautionary Statements - Disposal

P501 - Dispose of contents/container according to label directions

Hazards not otherwise classified (HNOC)

No hazards not otherwise classified were identified.

Other Information

May form combustible dust concentrations in air.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical name	CAS-No	Weight %
Thifensulfuron-methyl	79277-27-3	95-100

4. FIRST AID MEASURES**General Advice**

Call a poison control center or doctor for treatment advice. Have the product containers or label with you when calling a poison control center or doctor, or going for treatment. See Label for Additional Precautions and Directions for Use.

Eye Contact

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

Skin Contact

Take off contaminated clothing. Rinse immediately with plenty of water and seek medical advice. Call a poison control center or doctor for further treatment advice.

Inhalation

Move to fresh air. If person is not breathing, contact emergency medical services, then give artificial respiration, preferably mouth-to-mouth, if possible. Call a physician or poison control center immediately.

Ingestion

Clean mouth with water and afterwards drink plenty of water. Do not induce vomiting without medical advice.

Most important symptoms and effects, both acute and delayed

To the best of our knowledge, adverse effects in humans have not been reported.

Indication of immediate medical attention and special treatment needed, if necessary

Treat symptomatically.

5. FIRE-FIGHTING MEASURES**Suitable Extinguishing Media**

Water spray, Foam, Dry chemical, Carbon dioxide (CO₂).

Unsuitable extinguishing media High volume water jet.

Specific Hazards Arising from the Chemical

Explosion data

Sensitivity to Mechanical Impact Not applicable.

Sensitivity to Static Discharge Not applicable.

Protective equipment and precautions for firefighters Wear self-contained breathing apparatus and protective suit.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions Avoid dust formation. Isolate and post spill area. Remove all sources of ignition. Wear protective gloves/clothing and eye/face protection. For personal protection see section 8.

Other For further clean-up instructions, call FMC Emergency Hotline number listed in Section 1 "Product and Company Identification" above.

Environmental Precautions Do not release to the environment. Try to prevent the material from entering drains or water courses. Recover the product in solid form, if possible.

Methods for Containment Dike to confine spill and absorb with non-combustible absorbent such as clay, sand or soil. Vacuum, shovel or pump waste into a drum and label contents for disposal.

Methods for cleaning up Absorb with earth, sand or other non-combustible material and transfer to containers for later disposal. Clean and neutralize spill area, tools and equipment by washing with water and soap. Absorb rinsate and add to the collected waste. Waste must be classified and labeled prior to recycling or disposal. Dispose of waste as indicated in Section 13.

7. HANDLING AND STORAGE

Handling Wash hands before eating, drinking, chewing gum, using tobacco, or using toilet. Like most organic powders, the substance can form explosive mixtures with air. Avoid dust formation and take precautionary measures against static discharge. Use explosion protected equipment. Keep away from sources of ignition and protect from exposure to fire and heat.

Storage Keep away from open flames, hot surfaces and sources of ignition. Keep in a dry, cool and well-ventilated place. Keep away from open flames, hot surfaces and sources of ignition. Keep out of reach of children and animals. Keep/store only in original container.

Incompatible products No materials to be especially mentioned

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies

Appropriate engineering controls

Engineering measures Avoid dust formation. When working in confined spaces (tanks, containers, etc.), ensure that there is a supply of air suitable for breathing and wear the recommended equipment.

Individual protection measures, such as personal protective equipment

Eye/Face Protection For dust, splash, mist or spray exposure, wear chemical protective goggles.

Skin and Body Protection Minimize skin contamination by following good industrial hygiene practices. Wear protective gloves/clothing.

Hand Protection	Wear chemical protective gloves made of materials such as nitrile or neoprene.
Respiratory Protection	For dust, splash, mist or spray exposures, wear a filtering mask.
Hygiene measures	Clean water should be available for washing in case of eye or skin contamination. Wash skin prior to eating, drinking, chewing gum or using tobacco. Shower or bathe at the end of working. Remove and wash contaminated clothing before re-use. Launder work clothing separately from regular household laundry.
General information	If the product is used in mixtures, it is recommended that you contact the appropriate protective equipment suppliers.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Appearance	Crystalline powder
Physical State	Solid
Color	Off-white
Odor	None
Odor threshold	No information available
pH	No information available
Melting point/freezing point	176 - 178 ° C (349 - 352 ° F)
Boiling Point/Range	No information available
Flash point	Not applicable
Evaporation Rate	No information available
Flammability (solid, gas)	No information available
Flammability Limit in Air	
Upper flammability limit:	No information available
Lower flammability limit:	0.058 g/l
Vapor pressure	No information available
Vapor density	No information available
Relative density	1.58 g/cm ³
Specific gravity	No information available
Water solubility	2.24 g/l at 25° C (77 ° F)
Solubility in other solvents	No information available
Partition coefficient	No information available
Autoignition temperature	420 °C
Decomposition temperature	No information available
Viscosity, kinematic	No information available
Viscosity, dynamic	No information available
Explosive properties	No information available
Oxidizing properties	No information available
Molecular weight	No information available
Bulk density	No information available

10. STABILITY AND REACTIVITY

Reactivity	No data available
Chemical Stability	Stable under normal handling and storage conditions.
Possibility of Hazardous Reactions	None under normal processing.
Hazardous polymerization	Hazardous polymerization does not occur.
Conditions to avoid	None known.
Incompatible materials	No materials to be especially mentioned.
Hazardous Decomposition Products	None known.

11. TOXICOLOGICAL INFORMATION

Product Information

LD50 Oral	> 5000 mg/kg (rat)
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LD50 Dermal	> 2000 mg/kg (rabbit)
LC50 Inhalation	> 7.9 mg/L 4 hr (rat)
Serious eye damage/eye irritation	Non-irritating (rabbit).
Skin corrosion/irritation	No irritation (rabbit).
Sensitization	Guinea pig: Non-sensitizing

Information on toxicological effects

Symptoms No information available.

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

Mutagenicity	Did not show mutagenic effects in animal experiments. Tests on bacterial or mammalian cell cultures did not show mutagenic effects.
Carcinogenicity	Did not show carcinogenic effects in animal experiments.
Reproductive toxicity	No toxicity to reproduction in animal studies.
Developmental toxicity	Animal testing did not show developmental toxicity.
STOT - single exposure	No information available.
STOT - repeated exposure	The following effects occurred at exposure levels that significantly exceed those expected under the label use conditions. oral: multiple species. Reduced body weight gain.
Aspiration hazard	The product does not present an aspiration pneumonia hazard.

12. ECOLOGICAL INFORMATION

Ecotoxicity

Thifensulfuron-methyl (79277-27-3)				
Active Ingredient(s)	Duration	Species	Value	Units
Thifensulfuron- methyl	96 h LC50	Oncorhynchus mykiss (rainbow trout)	>100	mg/L
	14-day EC50	Duckweed (Lemna minor)	0.0013	mg/L
	48 h LC50	Daphnia magna	470	mg/L
	28-day NOEC	Mysid shrimp	7.93	mg/L
	96 h LC50	Onchorhynchus mykiss	>100	mg/L

Persistence and degradability No information available.

Bioaccumulation No information available.

13. DISPOSAL CONSIDERATIONS

Waste disposal methods Do not contaminate other pesticides, fertilizers, water, food, or feed by storage or disposal. It must undergo special treatment, e.g. at suitable disposal site, to comply with local regulations.

Contaminated Packaging Refer to product label for specific residue removal instructions. Containers must be disposed of in accordance with local, state and federal regulations. Refer to the product label for container disposal instructions.

14. TRANSPORT INFORMATION

DOT NOT REGULATED

ICAO/IATA

UN/ID no	3077
Proper Shipping Name	Environmentally hazardous substance, solid, n.o.s. (Thifensulfuron-methyl)
Hazard class	9
Packing Group	III

IMDG/IMO

UN/ID no	3077
Proper Shipping Name	Environmentally hazardous substance, solid, n.o.s. (Thifensulfuron-methyl)
Hazard class	9
Packing Group	III

15. REGULATORY INFORMATION**U.S. Federal Regulations****SARA 313**

Not applicable

SARA 311/312 Hazard Categories

Acute health hazard	refer to Section 2
Chronic health hazard	refer to Section 2
Fire hazard	refer to Section 2
Sudden release of pressure hazard	refer to Section 2
Reactive Hazard	refer to Section 2

Clean Water Act

Not applicable

CERCLA

Not applicable

*FIFRA Information**Not applicable***US State Regulations****California Proposition 65**

Not applicable.

U.S. State Right-to-Know Regulations

Not applicable

International Inventories**16. OTHER INFORMATION**

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NFPA	Health Hazards 0	Flammability 0	Instability 0	Special Hazards -
HMIS	Health Hazards 0	Flammability 0	Physical hazard 0	Personal Protection X

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Reason for revision: Product code, Chemtrec number

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Prepared By:

End of Safety Data Sheet