

Spinochem Tech Co.Ltd

Add: No 2278,Zhaochong Rd, Shanghai, China.

Material Safety Data Sheet

metsulfuron-methyl 60% WG

Section 1 - Chemical Product and Company Identification

MSDS Name:

metsulfuron-methyl 60% WG

Company Identification:

Supplier: Spinchem Tech Co.,Ltd

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Section 2 - Composition, Information on Ingredients

Components	CAS Number	% (w/w)
metsulfuron-methyl	74223-64-6	60.0
Others	-	Up to 100

Section 3 - Hazards Identification

Risk phrases:

Harmful if swallowed.

Toxic by inhalation.

Mild irritating to eyes.

May cause sensitization by skin contact.

Section 4 - First Aid Measures

INHALATION: Move person to fresh air. If person is not breathing, call an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible.

Call a poison control center or doctor for further treatment advice.

SKIN CONTACT: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center for doctor treatment advice.

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EYE CONTACT: Hold eyes 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.

SWALLOWED: Call a poison control center or doctor immediately for treatment advice. Do not give any liquid to the person. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person.

Section 5 - Fire Fighting Measures

EXTINGUISHING MEDIA: water spray, CO₂, dry chemical, and foam

UNUSUAL FIRE: During a fire, irritating and possibly toxic gases may be generated by thermal decomposition or combustion.

MEASURES: Wear full protective clothing and self-contained breathing apparatus. Evacuate nonessential personnel from the area to prevent human exposure to fire, smoke, fumes or products of combustion. Prevent use of contaminated buildings area, and equipment until decontaminated. Water runoff can cause environmental damage. If water is used to fight fire, dike and collect runoff.

Section 6 - Accidental Release Measures

ENVIRONMENTAL PRECAUTIONS

SMALL QUANTITIES: Low environmental hazard.

LARGE QUANTITIES: Minimize spread. Keep out of drains, sewers, ditches and waterways. Notify authorities.

METHODS FOR CLEANING UP

Control the spill at its source. Contain the spill to prevent from spreading or contaminating soil or from entering sewage and drainage systems or any body of water. Clean up spills immediately. Cover entire spill with absorbing material and

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place into compatible disposal container. Scrub area with hard water detergent. Pick up wash liquid with additional absorbent and place into compatible disposal container. Once all material is cleaned up and placed in a disposal container, seal container and arrange for disposition.

Section 7 - Handling and Storage

Store the material in a well-ventilated, secure area out of reach of children and domestic animals. Do not store near food, feedstuff, beverage or tobacco products in the same storage area. Do not eat, drink, smoke tobacco and cosmetic application in areas where there is a potential for exposure to the material. Wash thoroughly with soap water after handling.

Section 8 - Exposure Controls, Personal Protection

ENGINEERING CONTROLS: A well-ventilated area is recommended for handling this product.

RESPIRATORY PROTECTION: Use a NIOSH approved respirator if large quantities of mist are generated or under prolonged exposure.

EYE PROTECTION: Where eye contact is likely, use chemical splash goggles.

SKIN PROTECTION: Pprotective rubber gloves and overalls to minimize skin contact.

INHALATION: A combination particulate/organic vapor respirator may be necessary until effective engineering controls are installed to comply with occupational exposure limits. Use a NIOSH approved respirator with an organic vapor cartridge or canister with an HE prefilter.

Section 9 - Physical and Chemical Properties

Appearance: off-white column granule

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Explosive properties: Not explosive

Flamability: not flammable

Boiling point: not applicable

Oxidising properties: not oxidizing

PH: 6.0-9.0

Stability: stable at 54°C for 2 weeks

Section 10 - Stability and Reactivity

Chemical stability: The product is stable at ambient temperatures.

Hazardous poly occur: Will not occur

Material to avoid: None known

Section 11 - Toxicological Information

ACUTE ORAL (LD₅₀ Rat): 3000mg/kg bw;

ACUTE DERMAL (LD₅₀ Rat): >2,000mg/kg bw

ACUTE INHALATION (LD₅₀ Rat) >2,000mg/m³

IRRITATION:

Skin irritation (Rabbit) –None irritant

Eye irritation (Rabbit) – None irritant

Dermal (guinea pigs) – Not a sensitization.

Section 12 - Ecological Information

Birds Acute oral LD₅₀ for bobwhite quail 2258 mg/kg. Dietary LC₅₀ (8 d) for bobwhite quail and mallard ducklings >10 000 mg/kg diet.

Fish LC₅₀ (96 h) for rainbow trout >320, bluegill sunfish >370 mg/l.

Daphnia LC₅₀ (48 h) 442 mg/l.

Algae EC₅₀ (120 h) for *Selenastrum capricornutum* 0.007, for *Anabaena flos-aquae* 0.210 mg/l. Other aquatic spp. EC₅₀ (14 d) for *Lemna gibba* 0.034 mg/l.

Bees Not toxic to bees; LD₅₀ >60 µg/bee.

Section 13 - Disposal Considerations

Waste Disposal: Treatment, storage, transportation, and disposal must be in

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accordance with applicable Federal, State/Provincial, and Local regulations. Do not flush to surface water or sanitary sewer system.

Do not contaminate water, food, or feed by disposal. Waste resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

Do not reuse product containers. Dispose of product containers, waste containers, and residue according to local state, and federal health and environmental regulations.

Section 14 - Transport Information

UN Number: 3082

UN proper shipping name: Environmentally hazardous substance, Granule , N.O.S (metsulfuron-methyl)

Transport hazard class: 9

Packing group: III

Do not load with explosives, nitromethane, oxidising agents, organic peroxides, corrosive acids, food or food packaging.

Section 15 - Regulatory Information

Risk Phases

R24/25 Toxic in contact with skin and if swallowed.

R26 Very toxic by inhalation.

R36/37/38 Irritating to eyes, respiratory system and skin.

R41 Risk of serious damage to eyes.

R48/25 Toxic: danger of serious damage to health by prolonged exposure if swallowed.

R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Safety Phrases

S1/2 Keep locked up and out of reach of children.

S13 Keep away from food, drink and animal feeding stuffs.

S23 Do not breathe mists. S24/25 Avoid contact with skin and eyes.

S26 After contact with eyes, rinse immediately with water and seek medical advice.

S28 After contact with skin, wash immediately with soap and water.

S36/37/39 Wear suitable protective clothing, gloves and eye/face protection.

S38 In case of insufficient ventilation, wear suitable respiratory protection.

S45 In case of accident or if you feel unwell, seek medical advice immediately

S42 During spraying, wear suitable respiratory equipment.

S46 If swallowed, seek medical advice immediately and show this container or label.

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Section 16 - Additional Information

All information and instructions provided in this Material Safety Data Sheet (MSDS) are based on the current state of scientific and technical knowledge at the date indicated on the present MSDS and are presented in good faith and believed to be correct. This information applies to the product as such. In case of new formulations or mixes, it is necessary to ascertain that a new danger will not appear. It is the responsibility of persons on receipt of this MSDS to ensure that the information contained herein is properly read and understood by all people who may use, handle, dispose or in any way come in contact with the product. If the recipient subsequently produce formulations containing this product, it is the recipients sole responsibility to ensure the transfer of all relevant information from this MSDS to their own MSDS.