

# 江苏省农用激素工程技术研究中心有限公司

## JIANGSU AGROCHEM LABORATORY CO., LTD

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### Material Safety Data Sheet

Product Name : Tribenuron Methyl 75% WG

#### 1. Product Identification

Product Name : Tribenuron Methyl 75% WG

CAS No.: 101200-48-0

Chemical group: Sulfonylurea

Formulation: Water dispersible granule

Manufacturer: Jiangsu Agrochem Laboratory Co., Ltd, address: 98 Minjiang Rd, Hi-Tech Development Zone, Changzhou, Jiangsu, China

#### 2. Composition/Information on Ingredients

Ingredient		CAS No.	Percent w/w	Hazardous
<b>Active ingredient</b>	Tribenuron Methyl	101200-48-0	75%	Yes
<b>Inert ingredient</b>	N/A	N/A	25%	N/A

#### 3. Hazards Identification

##### Emergency Overview

CAUTION! Causes moderate eye irritation. Avoid contact with eyes or clothing. Wear long-sleeved shirt and long pants, socks and shoes.

##### Potential Health Effects

Based on animal data, repeated skin contact with Tribenuron Methyl may cause allergic skin rashes.

Based on animal data, eye contact with Tribenuron Methyl may cause eye irritation with discomfort, tearing, or blurring of vision.

##### Carcinogenicity Information

None of the components present in this material at concentrations equal to or greater than 0.1% are listed by IARC, NTP, OSHA or ACGIH as a carcinogen.

#### 4. First Aid Measures

**Skin contact:** No specific intervention is indicated as the product is not likely to be hazardous by skin contact. Consult a physician if necessary.

**Eye contact:** If in eyes: Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove

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contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.

**Inhalation:** No specific intervention is indicated as the product is not likely to be hazardous by inhalation. Consult a physician if necessary.

**Ingestion:** No specific intervention is indicated as the product is not likely to be hazardous by ingestion. Consult a physician if necessary.

Have the product container or label with you when calling a poison control center or doctor, or going for treatment.

### 5. Fire Fighting Measures

Like most organic powders or crystals, under severe dusting conditions, this material may form explosive mixtures in air.

#### **Extinguishing Media:**

Water Spray, Foam, Dry Chemical, CO<sub>2</sub>.

#### **Fire Fighting Instructions:**

Wear self-contained breathing apparatus. Runoff from fire control may be a pollution hazard. If area is exposed to fire and conditions permit, let fire burn itself out. Burning chemicals may produce by-products more toxic than the original material. If product is on fire, wear self-contained breathing apparatus and full protective equipment. Use water spray. Control runoff.

### 6. Accidental Release Measures

#### **Safeguards (Personnel)**

NOTE: Review Fire fighting measures and handling (personnel) sections before proceeding with clean-up. Use appropriate Personal protective equipment during clean-up.

**Emergency Response:** Chemical resistant coveralls, waterproof gloves, waterproof boots and face/eye protection. If dusting occurs, use NIOSH approved respirator protection.

**Initial Containment:** Follow applicable Federal, State/Provincial and Local laws/regulations.

Prevent material from entering sewers, waterways, or low areas.

**Spill Clean Up:** Shovel or sweep up.

### 7. Handling and Storage

**Handling (Personnel):** Avoid contact with eyes or clothing. Wash thoroughly after handling. Wash clothing after use. Do not store or consume food, drink, or tobacco in areas where they may become contaminated with this material. USERS SHOULD: Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.

**Users should:** Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.

**Storage:** Store product in original container only. Do not contaminate water, other pesticides, fertilizer, food or feed in storage. Store in a cool, dry place.

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### 8. Exposure Controls/Personal Protection

Always follow label instructions when using this product.

Applicators and other handlers must wear:

Long-sleeved shirt and long pants

Chemical Resistant Gloves, Category A (such as butyl rubber, natural rubber, neoprene rubber, or nitrile rubber) equal to or greater than 14 mils.

Shoes plus socks

Follow manufacturer's instructions for cleaning/maintaining personal protective equipment(PPE). If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry. PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil, or water, is: Coveralls Chemical Resistant Gloves, Category A (such as butyl rubber, natural rubber, neoprene rubber, or nitrile rubber) equal to or greater than 14 mils. Shoes plus socks

### 9. Physical and Chemical Properties

**Physical State:** Solid granules, dry

**Color:** Light brown

**Odor:** Slightly pungent

**pH:** 7.5

**Solubility in Water:** Dispersible

**Bulk Density (Loose) :** 0.61 - 0.70g/ml

### 10. Stability and Reactivity

**Chemical Stability:** Stable at normal temperatures and storage conditions.

**Incompatibility with Other Materials:** None reasonably foreseeable.

**Polymerization:** Polymerization will not occur.

### 11. Toxicological Information

Animal Data

**Tribenuron Methyl**

**Oral LD<sub>50</sub>:** > 5000 mg/kg in rats (Very low toxicity)

**Skin absorption LD<sub>50</sub>:** > 5000 mg/kg in rats (Very low to slightly toxic)

**Inhalation LC<sub>50</sub>, (4 h):** > 6.0 mg/L in rats (Very low toxicity)

Tribenuron Methyl is an eye irritant and skin sensitizer, not a skin irritant in animals.

The effects in animals from a single ingestion exposure to Tribenuron Methyl include severe weight loss and

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decreased food consumption. Repeated ingestion of high doses of Tribenuron Methyl caused body weight loss, increased liver and thyroid/parathyroid weights, altered clinical chemical parameters, but no significant gross or microscopic treatment related effects were noted. Long-term dosing caused body weight loss, alteration in clinical chemical parameters, and testicular atrophy (considered to be biologically insignificant).

Tribenuron Methyl produced an increased incidence of mammary tumors in female rats at dose levels also producing other significant effects. Developmental effects occurred in the rat, but only at a dose also toxic to the dam. No reproductive effects were observed in rats. Tribenuron Methyl did not produce genetic damage in bacterial or mammalian cell cultures or in animals.

### 12. Ecological Information

**Aquatic toxicity:** (Tribenuron Methyl)

96 hour LC<sub>50</sub> Rainbow trout: > 1000 mg/L. Very low to low toxicity.

**Avian toxicity:** (Tribenuron Methyl)

Acute Oral LD50 - Bobwhite Quail: > 2250 mg/kg.

Acute Dietary LC50 - Bobwhite Quail: > 5620 ppm.

Acute Dietary LC50 - Mallard Duck: > 5620 ppm

### 13. Disposal Considerations

Waste Disposal:

**Do not contaminate water supply, food or feed by storage or disposal. Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility. Treatment, storage, transportation, and disposal must be in accordance with applicable Federal, State/Provincial, and Local regulations.**

Container Disposal

**Triple rinse (or equivalent) the container. Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by incineration, or if allowed by state and local authorities, by burning. If burned, stay out of smoke.**

### 14. Transport Information

**Transport Classification – Sea (IMDG):**

UN No.: 3077

**Proper Shipping Name:** ENVIRONMENTALLY HAZARDOUS SUBSTANCE,

**Class:** 9 SOLID, N.O.S. (CONTAINS Tribenuron Methyl)

**Packing Group:** III

### 15. Regulatory information:

Not Available

### 16. Other Information

NFPA, NPCA-HMIS

NFPA Rating

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Health : 1

Flammability : 1

Reactivity : 0

NPCA-HMIS Rating

Health : 1

Flammability : 1

Reactivity : 0

Personal Protection rating to be supplied by user depending on use conditions.

## Disclaimer:

\*\*\*\*\* The manufacturer provides the information contained herein in good faith but makes no representation as to its comprehensiveness or accuracy. This document is intended only as a guide to the appropriate precautionary handling of the material by a properly trained person using this product. Individuals receiving the information must exercise their independent judgment in determining its appropriateness for a particular purpose. The manufacturer makes no representations or express or implied, including without limitation any warranties of merchantability fitness for a particular purpose with respect to the information set forth herein or the product to which the information refers. Accordingly, the manufacturer will not be responsible for damages resulting from use of or reliance upon this information.

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