



Hangzhou Tianlong Biotechnology Co., Ltd.

Add: Room 1906, Fengqi Times Tower, No.338, Fengqi East Road, Hangzhou, Zhejiang, China.

MATERIAL SAFETY DATA SHEET

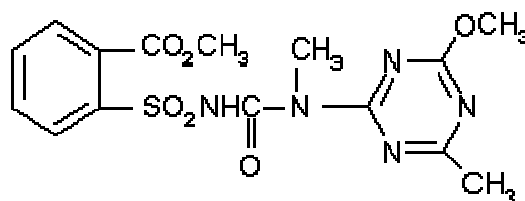
1. Chemical Product and Company Identification

Product Name: Tribenuron-methyl

Molecular Formula: C₁₅H₁₇N₅O₆S

Molecular Weight: 395.4

Structural Formula:



Chemical Name: Methyl 2-[[[N-(4-methoxy-6-methyl-1,3,5-triazin-2-yl)methylamino] carbonyl]amino] carbonyl]amino]sulfonyl] benzoate

CAS No.: 101200-48-0

Supplier: HANZHOU TIANLONG BIOTECHNOLOGY CO., LTD

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2. Composition / Information on Ingredients

Composition	CAS No.	Content %
Tribenuron-methyl	101200-48-0	95.0
Other ingredients		5.0

3. Hazards Identification

Physical/chemical hazards: The substance can be absorbed into the body by inhalation. May cause sensitization by skin contact.

Environmental hazards: Very toxic to aquatic organisms may cause long-term adverse effects in the aquatic environment.

Inhalation: Harmful.

4. First Aid Measures

If inhaled: Move person to fresh air. If person is not breathing, call 120 or an ambulance, seek medical attention.

If ingestion: If individual is conscious, wash out mouth with water, seek medical attention. If individual is drowsy or unconscious, do not give anything by mouth; place individual on the left side with the head down. Contact a physician, medical facility, or poison control center for advice about whether to induce vomiting. If possible, do not leave individual unattended.

If on skin: Remove contaminated clothing. Wash skin and hair thoroughly; do two soap and water washings. Wash skin and contained clothes with soap and copious amounts of water.

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

5. Fire-Fighting Measures

Extinguishing Media: foam, water spray, dry chemical and carbon dioxide.

Special Fire Fighting Procedures: None.

Hazardous thermal decomposition and combustion products: Could cause fire in high temperatures. When heated to decomposition material emits toxic fumes (NO_x).

Protection of fire-fighters: Fire-fighters must wear self contained breathing equipment and impervious clothing.

6. Accidental Release Measures

Personal Precautions: Wear appropriate protective gear for the situation. The product is harmful if inhaled or swallowed. It will irritate the eyes, nose, throat and skin. Keep people and animals away and upwind. Use rubber gloves and eye/face protection and use respirator.

Environmental Precautions: prevent the contamination of the floor and of beds of water. Cleaning methods: Sweep up with sand or vermiculite and place into appropriate container for disposal. Ventilate and wash spill area and wash it with water.

7. Handling and Storage

Handling: All chemicals should be considered hazardous. Avoid direct physical contact. Use appropriate, approved safety equipment. Keep out of reach of children. Avoid contact with the eyes, skin and clothing and avoid inhalation of product or spray mist. If in eyes, wash it immediately with water. After handling and before eating, drinking or smoking, wash hands, arms and face thoroughly with soap and water. Do not contaminate food or use on household tanks.

Storage: Store in the closed, original container in a dry, cool, well-ventilated area, room temperatures. Keep away from heat and sources of ignition. Store in locked room or place away from children, animals, food, animal feed, seed and fertilizers.

8. Exposure Controls/Personal Protection

Personal Protective Equipment:

To avoid eye and skin contact, wearing the following personal protective clothing and equipment is recommended:

Eyes: Safety goggles or face shield

Clothing: Cotton overalls buttoned to the neck and wrist and a washable hat.

Gloves: Elbow length PVC gloves.

Respiratory: Respiratory protection is not normally required. If airborne concentrations are likely to exceed the exposure standard above, an AS/NZS 1715/1716 approved respirator should be worn.

Other: After use and before eating, drinking or smoking, wash hands, arms and face thoroughly with soap and water. After each day's use wash gloves, goggles or face shield and contaminated clothing.

9. Physical and Chemical Properties

Appearance: White powder

Melting Point: 141°C.

Water Solubility: 0.05 g/L @ 20(PH=5); 2.04 g/l (PH=7)

10. Stability and Reactivity

Chemical stability: Stable under normal condition.

Conditions to avoid: Heat and ignition.

Hazardous polymerization: Will not occur.

Hazardous decomposition products: Toxic gases, such a hydrogen fluoride, Nitrogenoxides, carbon monoxide, carbon dioxide.

11. Toxicological Information

Acute toxicity

Rat:

Oral: LD₅₀ > 5000 mg/kg bw both male & female rat.

Dermal: LD₅₀ > 5000 mg/kg bw both male & female rat.

Inhalation: LC₅₀ = 6.0 mg/L both male & female rat.

Rabbit:

Eye irritation: Ocular non-irritant

Skin irritation: Dermal non-irritant

Guinea Pig:

Sensitization: positive to female and negative to male

12. Ecological Information

Fish: Bluegill sunfish LC₅₀ (98h) ≥ 1000 mg/l

Aquatic organisms: Daphnia magna LC₅₀ (48h) > 894.0 mg/l NOEC=894.0 mg/l

Birds: Bobwhite quail LD₅₀ ≥ 2250 mg ai/kg bw NOEL ≤ 292mg ai/kg bw

Bees:

Contact: LD₅₀ and NOEL ≥ 98.4 µg a.s. /bee

Oral: LD₅₀ and NOEL ≥ 9.1 µg a.s. /bee

13. Disposal Considerations

Waste disposal method: Dispose in accordance with local, state/provincial and federal regulations. Pesticide wastes are toxic. Improper disposal of excess pesticide, spray mixtures or rinsate is violation of federal law.

Container disposal method: Completely empty container into application equipment. Do not reuse empty container. Then dispose of empty container in a sanitary landfill, by incineration or by other procedures approved by state/provincial and local authorities. If burned, stay out of smoke.

14. Transport Information

Class: 9

UN NO.: 3077

Packing Group: III

15. Regulatory Information

Keep locked up out of reach of children and other, unauthorized persons. Keep away from food, drink and animal feeding stuffs.

Users should wash hands before eating, drinking, chewing gum, using tobacco or using the toilet. Do not get in eyes, on skin or on clothing. Do not breathe dust, vapor or spray mist.

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

This material and its container must be disposed of in a safe way.

Do not contaminate any body of water.

16. Other 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.