

## Material Safety Data Sheet

### Thifensulfuron-methyl 96% Tech

#### 1. Chemical Product / Company Identification

**Product name:** Thifensulfuron-methyl 96% TC  
**Active Ingredient:** Thifensulfuron-methyl  
**Manufacturer:** Shanghai Tenglong Agrochem Co., Ltd.  
**Add:** Yangpu building 24B, No.2005, Huangxing Road, Yangpu Shanghai  
**Phone Numbers:** Tel: 86-21 5506 3225  
 Fax: 86-21-5506 3699

#### 2. Composition/Information on Ingredients

Components	CAS Number	%(w/w)
Thifensulfuron-methyl	79277-27-3	96%
Other ingredients	-	to 100%

#### 3. Hazard identification

**Dangers for the environment:** toxic to aquatic, may cause long-term adverse effects in the aquatic environment.

**Physical-chemical dangers:** can decompose at high temperatures forming toxic gases.

**Ingestion:** Nausea, vomiting, and diarrhea may follow ingestion.

#### 4. First Aid Measures

**If inhaled:** Move person to fresh air. If symptoms persist, keep person warm and quiet, seek medical attention.

**If ingestion:** Drink plenty of water. Do not induce vomiting without medical advice. Consult a physician.

**If on skin:** Remove contaminated clothing. Wash skin and hair thoroughly; do two soap and water washings. Leather absorbs liquid. Hence, leather should not be worn in the presence of herbicide and all contaminated leather should be discarded.

**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:** Firefighters should wear self-contained breathing apparatus and full fire-fighting turn out gear.

**Further information:** Prevent fire extinguishing water from contaminating surface water or the ground water system. Collect contaminated fire extinguishing water separately. This must not be discharged into drains. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations. If area is heavily exposed to fire and if conditions permit, let fire burn itself out since water may increase the area contaminated. Cool containers with water spray.

## **6. Accidental Release Measures**

**Personal Precautions:** For applying the product, wear the items of protective clothing the label requires: for example, non-absorbent gloves (not leather or fabric), rubber footwear (not canvas or leather), a hat, goggles, or a dust-mist filter. If no specific clothing is listed, gloves, long-sleeved shirts and long pants, and closed shoes are recommended. You can buy protective clothing and equipment at hardware stores or building supply stores.

**Environmental Precautions:** prevent the contamination of water.

**Cleaning methods:** Transfer to a properly labelled deposit that will be closed and sealed until the recovery of elimination of the product.

## **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 original container only, away from other pesticides, fertilizers, food, or feed. Do not contaminate water, food or feed. Store in locked room or place away from children.

## **8. Exposure Controls/Personal Protection**

**Respiratory Protection:** Use NIOSH/MSHA approved respirator appropriate for exposure of concern.

**Protective Clothing:** Rubber gloves, respirator, boots, long sleeved shirt or jacket, long pants.

**If a spill occurs:** clean it up promptly. Don't wash it away. Instead, sprinkle the spill with sawdust, vermiculite, or kitty litter. Sweep it into a plastic garbage bag, and dispose of it as directed on the pesticide product label.

## 9. Physical and Chemical Properties

**Active ingredient:** Thifensulfuron-methyl

**Content:** 96%

**Chemical formula:** C<sub>12</sub>H<sub>13</sub>N<sub>5</sub>O<sub>6</sub>S<sub>2</sub>

**Molecular weight:** 387.38 g/mol

**Appearance:** white fine crystalline solid

**Density:** 1.56 g/cm<sup>3</sup>

## 10. Stability and Reactivity

**Conditions To Avoid:** Heat and open flame.

**Stability:** Stable under normal conditions.

**Polymerization:** Will not occur.

**Incompatible Materials:** Strong oxidizing agents..

## 11. Toxicological Information

### Rat:

Acute oral LD<sub>50</sub>: >5000mg/kg

Acute dermal LD<sub>50</sub>: >2000mg/kg

### Rabbit:

Contact with the skin: not irritation;

Contact with the eyes: not irritation

### Guinea pig:

Skin Sensitization: no-sensitive

## 12. Ecological Information

### Earthworms:

*Eisenia foetida*: LC<sub>50</sub> >2000 mg ai/kg soil (14 days contact exposure in soil)

NOEC >2000 mg ai/kg soil

**Bird:** mallard ducks LD<sub>50</sub> > 2510 mg/kg.

bobwhite quail LD<sub>50</sub>: 1524mg/kg diet.

**Bee:** *Apis mellifera*, 48 hours LD<sub>50</sub> topical exposure >100 µg/bee

*Apis mellifera*, LD<sub>50</sub> oral exposure >7.1µg/bee

## 13. Disposal Considerations

All herbicide waste are considered acutely toxic. Dispose of in an approved manner (consult local authority) only as a last resort. Otherwise, apply according to label instructions. Consult label and Directions for Use.

#### **14. Transportation Information**

UN NO.: 3077

Class: 9

#### **15. Regulatory Information**

There is no special information for it.

#### **16. Other Information**

This MSDS summarizes our best knowledge of the health and safety hazard information of the product and how to safely handle and use the product in the workplace. Each user should read this MSDS and consider the information in the context of how the product will be handled and used in the workplace including in conjunction with other products. If clarification or further information is needed to ensure that an appropriate risk assessment can be made, the user should contact this company. Our responsibility for products sold is subject to our standard terms and conditions, a copy of which is sent to our customers and is also available on request.