



江苏丰山集团有限公司

JIANGSU FENGSAN GROUP CO., LTD.

MATERIAL SAFETY DATA SHEET

1. Chemical Product Identification

Supplier: JIANGSU FENGSAN GROUP CO., LTD.

Address: Caomiao Town, Dafeng City, Jiangsu Province, China.

Tel: +86-515-83374837

Fax: +86-515-83372403

Product Name: Thiram

2 Composition / Information on Ingredients

Composition	CAS No.	Content %
Thiram	137-26-8	98.0
Other ingredients		2.0

3. Hazards Identification

Emergency Overview: Hazardous chemical. Light yellow granule with an aromatic odor. May cause eye irritation and/or corneal injury. May cause skin irritation. Toxic to aquatic organisms.

4. First Aid Measures

Eyes: Irrigate with flowing water immediately and continuously for 15 minutes. Consult medical personnel.

Skin: Wash off in flowing water or shower.

Ingestion: If swallowed, seek medical attention. Do not induce vomiting unless directed to do so by medical personnel.

Inhalation: No adverse effects anticipated by this route of exposure.

NOTE TO PHYSICIAN: No specific antidote. Supportive care. Treatment based on judgment of the physician in response to reactions of the patient.

5. Fire-Fighting Measures

Extinguishing Media: If product is involved in fire, use CO₂ or dry chemical.

Fire And Explosion Hazards: Heating benign to temperatures above 90°C (194°F) can lead to violent reaction with rapid pressure build-up. If product is involved in fire, noxious, toxic fumes may also be formed.

Fire-Fighting Equipment: Wear full protective clothing and use positive- pressure, self-contained breathing apparatus.

6. Accidental Release Measures



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Action To Take For Spills: Contain and sweep up material of small spills and dispose as waste.

7. Handling And Storage

Handling: Keep out of reach of children. Harmful if swallowed, inhaled or absorbed through the skin. Causes eye irritation. May cause allergic reaction in susceptible individuals. Avoid breathing dust and contact with skin, eyes or clothing. Users should wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.

Storage: Store in original container. Avoid elevated temperatures. See product label for handling/storage precautions relative to the end use of this product.

8. Exposure Controls/Personal Protection

Engineering Controls: Provide general and/or local exhaust ventilation to control airborne levels below the exposure guidelines.

Respiratory Protection: No respiratory protection should be needed. In dusty atmospheres, use a NIOSH approved dust respirator.

Skin Protection: Use gloves impervious to this material when prolonged or frequently repeated contact could occur.

Eye Protection: Use chemical goggles.

9. Physical and Chemical Properties

Boiling point/range: not relevant

Melting point/range: 146°C

Flash point: approx. 150 °C (Cleveland, open cup)

Autoignition temperature: > 400 °C

Vapour pressure: 2.3mPa@25 °C

Water Solubility: 30 mg/L at 25 °C

10. Stability and Reactivity

Stability: (condition to avoid)(Note: The following information is based on data for benign technical): Avoid elevated temperatures. Under normal handling and storage conditions, avoid heating above 90°C (194°F). Heating to temperatures above 90°C can lead to violent reaction with rapid pressure buildup.

11. Toxicological Information

Acute toxicity Oral LD50 : rat 2600mg/kg ; mouse 1500-2000mg/kg ; rabbit 210mg/kg

Dermal LD50 rabbit: > 2000 mg/kg.

Inhalation LC50 rat(4h): 4.42 mg/l.\



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12. Ecological And Ecotoxicological Information

Effects on birds: Thiram is practically nontoxic to birds. The reported dietary LC50 of thiram in Japanese quail is greater than 5000 ppm. Reported dietary LC50 values in pheasants and mallard ducks are 2800 ppm and 673 ppm, respectively. The LD50 for the compound in red-winged blackbirds is greater than 100 mg/kg.

Effects on aquatic organisms: Thiram is highly toxic to fish. The LC50 for the compound is 0.23 mg/L in bluegill sunfish, 0.13 mg/L in trout, and 4 mg/L in carp. Thiram is not expected to bioconcentrate in aquatic organisms.

Effects on other organisms: Thiram is nontoxic to bees.

13. Disposal Considerations

Do not contaminate water, food or feed by storage or disposal. Wastes resulting from the use of this product may be disposed of at an approved waste disposal facility in accordance with applicable local, state and federal regulations.

14. Transport Information

Not applicable

15. Regulatory Information

Not applicable

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.