



江苏丰山集团有限公司

JIANGSU FENGSHAN GROUP CO., LTD.

MATERIAL SAFETY DATA SHEET

1. Manufacturer/information service:

Manufactory: Jiangsu Fengshan Group Co., Ltd.

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

Tel: +86-515-83374837

Fax: +86-515-83372403

Product name: Dimethoate 40%EC

2. Composition / Information On Ingredients

Composition	CAS No.	Content %
Dimethoate	60-51-5	40.0%
Other ingredients		60.0 %

3. Hazards Identification

Routes of Entry: Skin and eye contact, skin absorption, inhalation chronic, acute inhalation and ingestion.

Carcinogenicity: Not known.

4. First Aid Measures

If On Skin: Remove all contaminated clothing. Wash skin and hair thoroughly with soap and water. Wash clothing before reuse. If irritation persists, get medical attention.

If In Eyes: Flush with running water for at least 15 minutes while holding eyelids open to help flush out material. Get medical attention.

Ingestion: Drink 1 - 2 glasses of milk or water to dilute material. Do NOT induce vomiting, as potential aspiration of fluids into lungs may induce chemical pneumonia. Call physician immediately or contact a poison control centre. If vomiting occurs, keep head lower than chest to avoid aspiration into lungs.

Inhalation: Remove to fresh air. If breathing is difficult, administer oxygen; if breathing stops administer artificial respiration. Get medical attention immediately.

Note to Physician: This product is an organic phosphate insecticide. If symptoms of cholinesterase inhibition appear, atropine is an antidote. 2-PAM may be used as an adjunct to atropine. Both these antidotes should be given by trained medical personnel.

5. Fire-Fighting Measures

Flammability (Specify Conditions):

Flammable. Must be moderately heated before ignition can occur.

Flash °C (method): 42.8 (PMCC)

Means of Extinction: Dry chemical, CO₂, foam or fine of water to cool containers.



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Special Fire Fighting Procedures: Wear self contained breathing apparatus. Smoke and fumes from fire may contain hazardous components. Use self contained breathing apparatus and full protective clothing. Fight fire from upwind side. Avoid run-off. Keep non-essential personnel away from immediate fire area, and out of any fall-out or run-off areas. Evacuate people downwind from fire.

Hazardous Combustion Products: Carbon dioxide, carbon monoxide, oxides of nitrogen, sulfur and phosphorus.

Unusual Fire & Explosion Hazards: Containers in fire may burst or explode from excessive heat. Stay well back from fire area. Vapors may travel along floor to ignition source and flash back.

6. Accidental Release Measures

Leak & Spill Procedures: Restrict access to area until completion of cleanup. Eliminate ignition sources. Ventilate area. Provide adequate protective gear. Take up spill with sorbent material and place in sealed container. Wash area with household bleach or caustic (lye) solution. Do not allow runoff to reach water systems. Contact the manufacturer and the provincial regulatory agency in case of a spill, and for clean-up of spills.

Waste Disposal: For more information on the disposal of unused, unwanted product and the cleanup of spills, contact the provincial regulatory agency or the manufacturer.

7. Handling And Storage

Handling: Do not apply to humans, their clothing, or bedding. Do not contaminate food or use on household tanks.

Storage: Store at normal temperatures, away from children, domestic animals, food and feed products, seed and fertilizer. Do not contaminate other stored products or the storage area by handling or storage of this product. Keep in a well-ventilated room.

8. Exposure Controls / Personal Protection

Respiratory Protection: If adequate ventilation not available wear an approved respirator with organic vapor or pesticide cartridges.

Eyes: Goggles/Face Shield Gloves: Rubber or Impervious Footwear: Rubber or Impervious

Clothing: Coveralls or Impervious apron when handling concentrate. Other: Work in well ventilated area.

Engineering Control: Use ventilation to reduce hazardous exposure in closed areas.

9. Physical And Chemical Properties

Appearance & Odour: Amber to yellow oily liquid with strong camphor like odour.



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Specific Gravity: 1.09 @ 20° C

Boiling Pt °C: 157

Vapor Density (air = 1): 3.38

Solubility in Water: Emulsifies

10.Stability And Reactivity

Stability (Conditions to avoid): Stable (excessive heat; ignition sources).

Reactivity & Under What Condition: May react vigorously with strong oxidizers to cause increased risk of fire and explosion.

Incompatibility (Materials to avoid): Strong oxidizers, strong acids and alkalis (bases).

Hazardous Decomposition Products: Not known. Oxides of sulfur, oxides of nitrogen, phosphorus containing compounds and other unknown hazardous materials may be formed in a fire situation. Incomplete combustion may lead to formation of carbon monoxide and/or other asphyxiants.

11.Toxicological Information

Oral LD50 (rat) 250 - 325 mg/kg

Dermal LD50 (rat) 1550 mg/kg

Inhalation LC50 (rat) (4hr) >1.6 mg/l

Skin Irritation Not a skin irritant.

Skin Sensitisation Product is not a skin sensitiser.

12.Ecological And Ecotoxicological Information

LC50 (96 hr) for bluegill sunfish is 6 mg/l.

LC50 (96 hr) for rainbow trout is 6.2 mg/l.

EC50 (48hr) FOR Daphnia is (for dimethoate) 3.3 mg/l.

Bees: Toxic to bees. LD50 0.17 µg/bee.

13.Disposal Considerations

Wastes from residues/unused products: Dispose of through controlled incineration in a licensed incinerator.

Contaminated packaging: Empty completely the packages and wash them with water to be used for application. Same as Wastes for disposal.

14.Transport Information

Not available

15.Regulatory Information

Not available



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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. 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.

FengshanChem