

MATERIAL SAFETY DATA SHEET

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Emergency Telephone No.

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SECTION I – GENERAL INFORMATION

TRADE NAME: **DIMETHOATE 4EC**
CHEMICAL NAME: Dimethoate (O,O-Dimethyl S-[N-(Methylcarbamoyl) Methyl] Phosphorodithioate)
CHEMICAL FAMILY: Organophosphate Insecticide
EPA REG. NO.: 19713-231
SIGNAL WORD: WARNING

SECTION II – INGREDIENTS

(Class = H (Hazardous), NH (Non-Hazardous))

NAME	CAS NO.	% (by wt.)	TLV	CLASS
Dimethoate	60-51-5	43.5	0.1mg/m ³	H
Inerts	N/A	56.5	N/A	NH

SECTION III – PHYSICAL DATA

Boiling Point: 156°C Specific Gravity: 1.104 gms/cc
Vapor Pressure: 3.9 mmHg % Volatiles: Approx. 45.0%
@ 20°C
Vapor Density: 34 Solubility in Water: Emulsifies
pH: 2.5-5.0 Appearance/Odor: Clear liquid,
organophosphate odor

SECTION IV – FIRE & EXPLOSION DATA

Flash Point: >100°F (Combustible)
Extinguishing Media: Foam, carbon dioxide, dry chemical or water spray
Fire Fighting Procedures: Stay upwind. Dike area to prevent water runoff. Assure self-contained breathing apparatus is worn.

SECTION V – REACTIVITY DATA

Stability: Stable
Conditions to Avoid: Extreme temperatures, open flames or sparks
Incompatibility: Strong alkalis and oxidizers
Hazardous Decomposition Products: Oxide of Nitrogen and Carbon. Sulfur and Phosphorus

SECTION VI – HEALTH HAZARD DATA

Carcinogenicity: N/A
Toxicity Data: Oral LD50 (Rat) = 60 mg/kg (Tech) Dermal LD50 (Rabbit) = 1 gm/kg (Tech)
TLV: 0.1 mg/m³
N.F.P.A.: Health: 3, Fire: 2, Reactivity: 0
(Rating: 4-Extreme, 3-High, 2-Moderate, 1-Slight, 0-Insignificant)
Effects of Overexposure: Cholinesterase inhibitor, muscle spasms, vomiting, headache. Do not ingest.

SECTION VII – EMERGENCY PROCEDURES

If swallowed: Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to by a poison control center or doctor. Do not give anything by mouth to an unconscious or convulsing person.

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

If on skin or clothing: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15 to 20 minutes. Call a poison control center or doctor for treatment advice.

Have the product container or label with you when calling a poison control center or doctor, or going for treatment. For information on this pesticide product (including health concerns, medical emergencies or pesticide incidents), call the National Pesticide Information Center at 1-800-858-7378.

NOTE TO PHYSICIAN: Atropine is antidotal. Pralidoxime chloride may be effective as an adjunct to atropine. This product may cause cholinesterase inhibition. Treatment should be directed at the control of symptoms and clinical condition. Dimethoate is an organophosphate insecticide/miticide.

SECTION VIII- SPILL OR LEAK PROCEDURES

Steps to be taken in case of material leak or spill
Pick up spills with absorbent clay or material. Place in suitable containers. Prevent spills from entering waterways. Assure that protective clothing is worn.

Waste Disposal Method
Dispose of in accordance with Local, State, and Federal Regulations.

SECTION IX – SPECIAL PROTECTION INFORMATION

Respiratory Protection: NIOSH approved respirator
Ventilation: General preferred
Protective Gloves: Rubber impervious
Eye Protection: Splashproof goggles
Other: Coveralls, long-sleeve shirt, rubber boots

SECTION X – SPECIAL PRECAUTIONS

Precautions To Be Taken In Handling & Storage
KEEP OUT OF REACH OF CHILDREN. FOLLOW LABEL DIRECTIONS CAREFULLY.

Domestic: Do not store near food or feed.
International: Poison
D.O.T. Description: UN-3017, Organophosphorus Pesticides, Liquid, Toxic, Flammable, (Dimethoate/Cyclohexanone), 6.1, (3), PG-III, RQ 10 lbs., Marine Pollutant
Freight Description: Agricultural Insecticide, Liquid, N.O.S.
Reportable Quantity: 10 Lbs.
ERG Guide Sheet: 131

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