

MATERIAL SAFETY DATA SHEET

Drexel Chemical Co.
1700 Channel Avenue
Memphis, TN 38106
(901) 774-4370

Emergency Telephone No.

1-800-424-9300 (ChemTrec)

SECTION I – GENERAL INFORMATION

TRADE NAME: **DIMETHOATE 2.67**
CHEMICAL NAME: Dimethoate
CHEMICAL FAMILY: Organophosphate Insecticide
EPA REG. NO.: 19713-232
SIGNAL WORD: WARNING

SECTION II – INGREDIENTS (Class = H (Hazardous), NH (Non-Hazardous))

| <u>NAME</u> | <u>CAS NO.</u> | <u>% (by wt.)</u> | <u>TLV</u> | <u>CLASS</u> |
|-------------|----------------|-------------------|----------------------|--------------|
| Dimethoate | 60-51-5 | 30.5 | 0.1mg/m ³ | H |
| Inerts | N/A | 69.5 | N/A | NH |

SECTION III – PHYSICAL DATA

Boiling Point: 156°C Specific Gravity: 1.02 gm/ml
Vapor Pressure: 26mm Hg % Volatiles: 60%
Vapor Density: 4 Solubility in Water: Emulsifies
pH: 6-8 Appearance/Odor: Clear-colorless to light yellow liquid, strong odor.

SECTION IV – FIRE & EXPLOSION DATA

Flash Point: 124°F
Extinguishing Media: Foam, CO₂, dry chemical or water spray.
Fire Fighting Procedures: Fight fire from upwind. Dike area to prevent water runoff. Assure self-contained breathing apparatus is worn.

SECTION V – REACTIVITY DATA

Stability: Stable
Conditions to Avoid: Storage at elevated temperatures
Incompatibility: Strong alkalis and strong oxidizers
Hazardous Decomposition Products: Thermal decomposition may product CO, CO₂, Sulfur Dioxide and/or strong oxidizers.
Hazardous Polymerization: Will not occur.

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: Weakness, headache, tight chest, blurred vision, non-reactive pinpoint pupils, excessive salivation, sweating, nausea, vomiting.

SECTION VII – EMERGENCY PROCEDURES

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 inhaled: Move person to fresh air. Rinse skin immediately with plenty of water for 15 to 20 minutes. Call a poison control center or doctor for further 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.

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.

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. Contains petroleum distillate. Vomiting may cause aspiration pneumonia. If swallowed, stomach contents should be evacuated quickly in a manner which avoids aspiration. Otherwise 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
Wear appropriate protective equipment and clothing. Remove sources of ignition. Absorb in clay or soda ash. Sweep up and place in suitable container. Treat contaminated area with full strength liquid bleach.

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 recommended
Protective Gloves: Rubber impervious
Eye Protection: Splash proof goggles
Other: Coveralls, long-sleeved shirt, rubber boots.

SECTION X – SPECIAL PRECAUTIONS

Precautions To Be Taken In Handling & Storage

KEEP OUT OF REACH OF CHILDREN. FOLLOW LABEL DIRECTIONS CAREFULLY.

Keep material in original containers. Store away from foodstuffs. Avoid contact with skin and eyes.

D.O.T. Description: UN-3017, Organophosphorus Pesticides, Liquid, Toxic, Flammable, (Dimethoate, Cyclohexanone), 6.1, (3), PG-III, Marine Pollutant, RQ 10 lbs.

Freight Description: Agricultural Insecticide, Liquid, N.O.S.

Reportable Quantity: 10 Lbs.

E.R.G. Guide Sheet: 131

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