

MATERIAL SAFETY DATA SHEET

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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))

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

SECTION III – PHYSICAL DATA

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|-----------------------|---------|----------------------------|---|
| <u>Boiling Point</u> | 156°C | <u>Specific Gravity</u> | 1.05 gm/ml |
| <u>Vapor Pressure</u> | 26mm Hg | <u>% Volatiles</u> | 60% |
| <u>Vapor Density</u> | 4 | <u>Solubility in Water</u> | Emulsifies |
| <u>pH</u> | 6-8 | <u>Appearance/Odor</u> | Clear-colorless to light yellow liquid, slight odor |

SECTION IV – FIRE & EXPLOSION DATA

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| Flash Point | 124°F |
| Extinguishing Media | Foam, Carbon Dioxide, 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

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| Stability | Stable |
| Conditions to Avoid | Storage at elevated temperatures |
| Incompatibility | Strong alkalies and strong oxidizers |
| Hazardous Decomposition Products | Thermal decomposition may product Carbon Monoxide, Carbon Dioxide, Sulfur Dioxide and/or strong oxidizers. |
| Hazardous Polymerization | Will not occur. |

SECTION VI – HEALTH HAZARD DATA

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| Carcinogenicity | N/A |
| Toxicity Data | Oral LD50 (Rat) = 60 mg/kg (Tech) Dermal LD50 (Rabbit) = 1 gm/kg (Tech) 0.1 mg/m ³ |
| TLV | Health: 3, Fire: 2, Reactivity: 0 |
| N.F.P.A. | (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

Skin Contact: Remove contaminated clothing and wash skin with soap and water. Launder clothing before reuse.

Eye Contact: Flush with water for at least 15 minutes. Get medical attention.

Inhalation: Remove victim to fresh air. Apply artificial respiration if breathing has stopped. Call a physician.

Ingestion: Do not induce vomiting. Call a physician immediately.

Note to Physician: Atropine is antidotal. Pralidoxime chloride may be effective as an adjunct to atropine. This product may cause cholinesterase inhibition. Aspiration solvent may cause severe lung damage. 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

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| 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 | Organophosphorus Pesticides, Liquid, Toxic, Flammable, N.O.S., (Dimethoate, Cyclohexanone), 6.1, UN-3017, PG-III, Marine Pollutant |
| Freight Description | Agricultural Insecticide, Liquid, N.O.S. |
| Reportable Quantity | 10 Lbs. |

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