

MATERIAL SAFETY DATA SHEET

PRODUCT NAME: 6% Malathion Grain Dust
MANUFACTURER: Winfield Solutions, LLC
P.O. Box 64589, St. Paul, MN 55164-0589
In Case of Emergency Call: 1-800-424-9300 (CHEMTREC, 24 hours)
OR Medical Emergency Call: 1-877-424-7452
NUMBER FOR INFORMATION: 1-800-232-3639

SECTION I –HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

HAZARDOUS COMPONENTS:	OSHA PEL	ACGIH TWA	OTHER LIMITS	CAS#	%
O,O-dimethyl dithiophosphate of diethylmercaptosuccinate (malathion)	15 mg/m ³ (skin)	10 mg/m ³ (skin)		121-75-56	6
Inert ingredients	94%				

SECTION II – PHYSICAL/CHEMICAL CHARACTERISTICS

BOILING POINT: NA
VAPOR PRESSURE (ow Hg): NA
VAPOR DENSITY: NA
SOLUBILITY IN WATER: 145 ppm at 25 C as technical
APPEARANCE AND ODOR: White to light tan powder

SPECIFIC GRAVITY (H20): NA
MELTING POINT: NA
EVAPORATION RAT! : NA

SECTION III – FIRE AND EXPLOSION HAZARD DATA

FLASH POINT: NA
EXTINGUISHING MEDIA: Carbon dioxide, dry chemical, foam, water fog in areas where material is present.
SPECIAL FIRE FIGHTING PROCEDURES: Use self-contained breathing apparatus and full protective gear.
UNUSUAL FIRE AND EXPLOSION HAZARDS: None known

FLAMMABLE LIMITS: Not determined

SECTION IV – REACTIVITY DATA

UNSTABLE CONDITIONS TO AVOID:
STABLE CONDITIONS TO AVOID: Avoid excessive heat

INCOMPATIBILITY (MATERIALS TO AVOID) : Strong alkalis and strong oxidizers. HAZARDOUS DECOMPOSITION OR BY PRODUCTS: Thermal decomposition may produce hydrogen sulfide, methyl mercaptan, dimethyl sulfide and oxides of carbon, sulfur , phosphorus

HAZARDOUS POLYMERIZATION :

MAY OCCUR CONDITIONS TO AVOID:
WILL NOT OCCUR: CONDITIONS TO AVOID: None known

SECTION V – HEALTH HAZARD DATA

ROUTES OF ENTRY: Inhalation-ingestion-dermal
HEALTH HAZARDS: INGESTION: Slight acute toxicity. INHALATIONS Not acutely toxic, but prolonged breathing of dust may produce systemic toxicity.
DERMAL: Not irritating, but may produce systemic toxicity by absorption.
EYES : Minor irritant .

SIGNS AND SYMPTOMS OF EXPOSURE: May include but is not limited to blurred vision, constriction of pupils, excessive saliva, nasal discharge, profuse sweating, cramping, nausea, vomiting, excessive tears and twitching, tremors, convulsions. In severe cases death may result from respiratory failure or cardiac arrest. NOTE TO PHYSICIAN: This product is a parasympathomimetic agent. Erythrocyte cholinesterase activity should be measured. If necessary, give atropine, 4 mg., I.V. repeat every 10 minutes until atropinized. Observe for at least 48 hours. Opiates and phenothiazine tranquilizers are contradicted.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: Previous exposure to organophosphates may accelerate onset of symptoms.

EMERGENCY AND FIRST AID PROCEDURES: INGESTION: Give large quantities of water and make person vomit by touching back of throat with finger. Call a doctor. INHALATION: Move person to fresh air. Give artificial respiration if necessary. EYES: Wash with fresh water for 15 minutes, if irritation persists see a physician. DERMAL: Wash with soap and water.

SECTION VI – PRECAUTIONS FOR SAFE HANDLING AND USE
STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Sweep up and use according to label if possible. If not, return to labeled container and dispose of according to section below.
WASTE DISPOSAL METHOD: Dispose in accordance with local, State and Federal regulations.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: Do not contaminate food, feed or water. Store in a cool, dry, secure place.
OTHER PRECAUTIONS: Wash contaminated clothing separately before reuse.

SECTION VII – CONTROL MEASURES

RESPIRATORY PROTECTION: Not normally required during use.
VENTILATION: LOCAL EXHAUST: Required
PROTECTIVE GLOVES: Work gloves. EYE PROTECTION: Safety glasses
OTHER PROTECTIVE CLOTHING OR EQUIPMENT: Long-sleeved shirt or coveralls
WORK/HYGIENIC PRACTICES: Wash hands after handling and before eating or smoking. Do not smoke or eat in work areas.

SECTION VIII – REGULATORY COMPLIANCE

THE FOLLOWING INFORMATION MAY BE USEFUL IN COMPLYING WITH VARIOUS STATE AND FEDERAL LAWS AND REGULATIONS UNDER VARIOUS ENVIRONMENTAL STATUTES:

REPORTABLE QUANTITY (RQ), SPA REGULATION 40 CFR 302 (CERLA Section 102):

CHEMICAL NAME	CAS #	RQ: 100# (Equivalent amount of this product would be 1666#)
Malathion		121-75-5

THRESHOLD PLANNING QUANTITY (TPQ), EPA REGULATION 40CFR 355 (SARA Sections 301-304) :

CHEMICAL NAME	CAS#	TPQ
NA		

TOXIC CHEMICAL RELEASE REPORTING, EPA REGULATION 40 CFR 372 (SARA Section 313).

CHEMICAL NAME	CAS#	% BY WEIGHT IN PRODUCT
NA		

HAZARDOUS CHEMICAL REPORTING, SPA REGULATION 40 CFR 370 (SARA Sections 311-312):

CHEMICAL NAME	CAS #
Malathion	121-75-5

EPA HAZARD CLASSIFICATION CODE :

ACUTE HAZARD	CHRONIC HAZARD	FIRE HAZARD	PRESSURE HAZARD	REACTIVE HAZARD	NOT APPLICABLE
XX	XX				

HAZARD RATING : NFPA
1 FIRE _2_ TOXICITY _0_ REACTIVITY _0_ CORROSIVENESS

HAZARD RATING CODE : 0=None 1-Slight 2-Moderate 3-High U-Unknown

SECTION IX – TRANSPORTATION INFORMATION

For further information relative to spills resulting from transportation incidents, refer to latest Department of Transportation Emergency Response Guidebook for Hazardous Material Incidents. DOT P 5800.5

DOT IDENTIFICATION:

Freight description: Not regulated	RQ: 100#(Equivalent amount of this product would	Malathion
Insecticide, dry non-regulated		

be 1666#)

OSHA REQUIRED LABEL INFORMATION:

In compliance with hazard and right-to-know requirements, the following OSHA Hazard warnings should be found on a label, bill of lading or invoice accompanying this shipment: NA

NOTE: Product label will contain additional non-OSHA related information.

DATE: 09/19/2007

SUPERSEDES:

The information herein was given in good faith but no warranty, expressed or implied was made. Consult Winfield Solutions, LLC for further information .

NA = NOT APPLICABLE

NDA = NO DATA AVAILABLE

Revision: None