

MATERIAL SAFETY DATA SHEET

Douglas Products and Packaging Co.
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Manufacturer's Name:
Douglas Products and Packing Co.
1550 E. Old 210 Highway
Liberty, MO 64068

Emergency Telephone No.
1-800-424-9300 (Chemtrec)
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SECTION I- GENERAL INFORMATION

Trade Name: MAX KILL DUSTA-CIDE 6%

EPA Registration No: 1015-69

The Chem Trec number is used only in the event of chemical emergencies involving a spill, leak, fire, exposure, or accident involving chemicals.

SECTION II- PRODUCT INFORMATION

Material or Component	CAS Number	%	OSHA PEL TLV	Hazard Data	OSHA PEL
Malathion	00121-75-5	6	10mg/m3		OSHA
(0, 0 Diethyl Phosphorodithioate)			10 mg/m3		ACGIH
Corn Flour		91.4	5mg/m3	15mg/m3	OSHA
			(Respirable)	(Total)	
			5mg/m3	5mg/m3	ACGIH
			(Respirable)	(Total)	
Silicon Dioxide	07631-86-9	2	20mppcf		OSHA
			5mg/m3	10mg/m3	ACGIH
			(Respirable)	(Total)	

HMIS Health-2 Flammability-2 Reactivity-1 Personal Protection-H

SECTION III- PHYSICAL DATA

Physical Properties	power
Appearance	yellowish white
Odor	mercaptan odor
Boiling Point	313 degrees F
Specific gravity	N/A
Vapor density	N/A
Melting point	N/A
Vapor pressure	N/A
Evaporation rate	N/A
Soluble in water	insoluble

SECTION IV- FIRE AND EXPLOSION DATA

Flashpoint:	N/A
Method Used:	N/A
Flammable Limits:	Lower-40g/m Upper – (flour)
Extinguishing Media:	Water, Carbon Dioxide
Fire Fighting Techniques:	Fight fire upwind. Dike fire area to prevent runoff. Use as little water as possible. Wear MSHA/NIOSH approved positive pressure SCBA and full firefighting protective clothing. Decontaminate when leaving the area.

(Unusual fire and explosion hazards) Product should be considered combustible, but not flammable due to the products makeup using grain dust. The dispersal of grain dust into confined atmospheres in high density (over 50 grams per cubic meter) could produce air mixtures that are ignitable or explosive. Do not use straight streams to extinguish grain product fires. Dust dispersed by hose streams can explode

SECTION V- REACTIVITY DATA

- * Storage at 120 degrees F. leads to non hazardous decomposition. Heating at above 302 degrees F. causes rapid decomposition
- Reaction with a strong base may generate excessive heat.
- * Will react with iron and steel to form a gel. Avoid strong oxidizers. Will attack some plastics, rubber and coatings.
- * There are no conditions contributing to hazardous polymerization.

SECTION VI-HEALTH HAZARD DATA

The principal routes of exposure are inhalation, contact with skin or ingestion. **Inhalation** may cause tightness in the chest, wheezing, Larynx spasms, salivation, small pupils, blurred vision, tearing, runny nose and headache. **Exposure to skin** may cause sweating and twitching. If **ingested** may cause loss of appetite, nausea, vomiting, stomach cramps and diarrhea. In case of severe poisoning may experience weakness, twitching, dizziness, confusion, staggering, slurred speech, sweating, slow heart beat, convulsions and coma. Chronic exposure may cause influenza-like symptoms-weakness, loss of appetite and malaise. Effects of exposure to this product may cause cholinesterase inhibition. Atropine is antidotal. 2-P AM may be effective as an adjunct to atropine. Large doses necessary to cause acute poisoning. Can cause symptoms from chronic exposures. Malathion may cause lung edema, anemia, cardiac abnormality, kidney and liver damage. Symptoms involving numerous organs a result of lowered cholinesterase on the nervous systems. Any individual with a condition causing lowered cholinesterase (i.e. advanced liver disease, chronic alcoholism, dermatomyositis and malnutrition) probably will be susceptible to Malathion; Individuals with impaired lung function may be more easily affected. The dust portion may cause local or systemic irritation or allergic reaction through acute or chronic exposure.

SECTION VII- EMERGENCY PROCEDURES

Eye Exposure:	Flush with plenty of water for at least 15 minutes. If irritation persists, get medical attention.
Skin Exposure:	Immediately remove contaminated clothing and wash skin with plenty of soap and water. Launder contaminated clothing.
Inhalation:	If illness results remove to fresh air, and call physician. Since Malathion has negligible vapor pressure, inhalation of this product would normally result from inhaling dust.
Ingestion:	Call a physician or poison control center, Drink 1or 2 glasses of water and induce vomiting by touching back of throat with finger. If available administer syrup of ipecac. Do not induce vomiting or give anything by mouth to an unconscious person.

CARCINOGENICITY: **NPT: NO** **LARC: NO** **OSHA: NO**

SECTION VIII-SPILL OR LEAK PROCEDURES

Sweep up and place in closed container. Wear dust mask and Malathion resistant gloves if hand contact is expected. For disposal See label/consult state disposal authorities concerning proper disposal methods

SECTION IX-SPECIAL PROTECTION INFORMATION

Eye Protection:	Wear goggles as necessary
Ventilation Requirements:	Provide as helpful to keep air concentration below PEL.
Respiratory Protection:	Inhalation of Malathion containing dust is the primary concern. A pesticide cartridge respirator is recommended.
Skin Protection:	Wear nitrile, latex or rubber gloves.
Other:	Wear as necessary to prevent prolonged or repeated skin contact.

SECTION X-SPECIAL PRECAUTIONS

Do not contaminate water, food or feed by storage or disposal. "Keep containers closed when not in use. "Do not store at temperatures near or above 120 degrees F.

The information presented herein for consideration, while not guaranteed, is true and accurate to the best of our knowledge. No warranty or guaranty is expressed or implied regarding the accuracy or reliability of such information and we shall not be liable for any loss or consequential damages arising out of the use thereof.

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