



Section 1. Product and Company Identification

Product Name: MAX-KILL DUSTA-CIDE 6

Product Code: A-F-DUS-DUSTA-01X50P

EPA Registration #: 1015-69

Effective Date: February 2012

Manufacturer Information: Douglas Products and Packaging Company
1550 East Old 210 Highway
Liberty, Missouri 64068
Information Phone: (816) 781-4250
Emergency Phone: Chemtrec (800) 424-9300

Section 2. Ingredients and Hazards Identification

Hazardous Components		Occupational Exposure Limits			
Component	CAS Number	OSHA PEL	ACGIH TLV	Weight Percent	Section 313
Malathion	121-75-7	15 mg/m ³	10 mg/m ³	≤6	Yes

This product contains the following EPCRA Section 313 chemicals subject to the reporting requirements of Section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 (40 CFR 372).

Section 3. Hazard Identification

Eye Contact: Causes moderate eye irritation.

Ingestion: Harmful if swallowed.

Skin: Harmful if absorbed through skin.

Inhalation: Harmful if inhaled.

Avoid contact with skin, eyes, or clothing.

Avoid breathing dust.

Section 4. First Aid Measures

Eye Contact: Flush eyes with water immediately while holding eyelids open. Remove contacts, if worn, after initial flushing and continue flushing for at least 15 minutes. Seek medical attention.

Skin Contact: Use soap and water to remove from the skin, remove contaminated clothing, clean thoroughly before reuse. Rinse skin for 15-20 minutes. If irritation persists seek medical attention.

Inhalation: Move to fresh air. If not breathing, give rescue breathing. If breathing is difficult give oxygen. Seek medical attention if breathing is still difficult.

Ingestion: If swallowed, get medical attention immediately. DO INDUCE VOMITING after the patient taking 1-3 glasses of water. Never give anything by mouth to an unconscious person. Seek medical attention.

Section 5. Fire Fighting Measures

Flash Point: NA

Flammability Limits: None established.

Fire Fighting Media: Dry chemical, carbon dioxide, AFFF foam or alcohol resistant foam.

Special Fire Fighting Procedures: Fight from upwind. First responders need to wear full-bunker gear with SCBA, never enter a confined space unless fully protected with proper personal protective equipment (PPE).

Section 6. Accidental Release Measures

Clean-up Procedures: Wear proper PPE. Stop the source of the spill if you are not put at risk.

Spills and Leaks: Dispose in accordance to local, state or federal regulations.

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Section 7. Handling and Storage

Handling: Do not use create dust near an open flames or any ignition sources. Avoid contact with skin, eyes and clothing. Avoid breathing the dust. Handle in well-ventilated area with proper PPE.

Storage: Store in original labeled container. Keep in cool and dry areas. Keep away from children, animals and food.

Section 8. Exposure Control/Personal Protection

Some materials that are chemical-resistant to this product are barrier laminate, butyl rubber ≥ 14 mils, nitrile rubber ≥ 14 mils, neoprene rubber ≥ 14 mils, natural rubber ≥ 14 mils, polyvinyl chloride (PVC) ≥ 14 mils or viton ≥ 14 mils. If you want more options, follow the instructions for category A on an EPA chemical-resistance category selection chart.

For all dust formulations – mixers, loaders, applicators, and other handlers must wear:

- Coveralls over long sleeved shirt, long pants, shoes, and socks
- Protective eyewear
- Chemical resistant gloves
- A NIOSH-approved respirator with any N, R, P or HE filter
- Chemical-resistant headgear (if overhead expo sure is expected)

Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry. Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them.

Section 9. Physical and Chemical Properties

Odor	Mercaptan – skunk smell	Vapor Pressure	Low
Color	Yellow	% Volatiles by Volume	NA
Physical State @ 21 C	Powder	Specific Gravity (H ₂ O=1)	Greater than water
pH @ 25 C	6.42	Solubility	Insoluble in water
Freezing Point	NA	Boiling Point	NA
Bulk Density @ 24 C	.631		

Section 10. Stability and Reactivity

Chemical Stability: Considered stable under normal ambient temperatures. Avoid high temperatures

Hazardous Decomposition: At elevated temperatures one can get aldehydes, hydrogen sulfide, methyl mercaptan, dimethyl sulfide and oxides of carbon, sulfur and phosphorus.

Hazardous Polymerization: Will not occur

Incompatibility~ Materials to Avoid: May react with strong or strong oxidizers.

Section 11. Toxicological Information

Acute Oral Toxicity: Acute oral LD50 (rats) > 5,000 mg/kg

Acute Dermal Toxicity: Acute dermal LD50 (rats) > 5,000 mg/kg

Acute Inhalation Toxicity: Acute inhalation (rats) > 2.03 mg/L

Acute Skin Irritation: Skin irritation (rabbit) – slightly irritating

Acute Eye Irritation: Eye irritation (rabbit) – moderately irritating

Acute Skin Irritation: Skin sensitization (guinea pig) – not a sensitizer

Existing Medical Conditions Aggravated by Exposure: Routes of entry are inhalation, ingestion and dermal.

Exposure to inhalation of the product may cause respiratory problems and depression of central nervous system and death.

Section 12. Ecological Information

This product is toxic to aquatic organisms, including fish and invertebrates. This product may contaminate water through drift of dust in wind. Use care when applying in or to an area which is adjacent to any body of water, and do not apply when weather conditions favor drift from target area. Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment washwater or rinsate. This pesticide is highly toxic to bees exposed to direct treatment on blooming crops or weeds. Do not apply this product or allow it to drift to blooming crops or weeds while bees are actively visiting the treatment area. Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans, or other waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority. For guidance contact your State Water Board or Regional Office of the EPA.

Section 13. Disposal Considerations

Waste Disposal Method: What ever cannot be saved for recovery or recycling should be managed by the local, state or Federal Regulations, product maybe still be applied by label directions..

Container Handling and Disposal: All containers should be triple rinsed and disposed of according to local, state and Federal regulations.

Section 14. Transport Information

D.O.T. Classification: Not regulated by US DOT

Shipping Name: MAX KILL DUSTA-CIDE 6

Technical Shipping Name: Insecticide, NOI NMFC #102120

UNFIC: None

ID Number: None

Packaging Group: None

Labels: No US DOT Labels

Section 15. Regulatory Information

EPCRA 311/312 Categories: Immediate (Acute) Health Effects:	Yes
Delayed (Chronic) Health Effects:	Yes
Fire Hazard:	Yes
Sudden Release of Pressure	No
Reactivity:	No

Right to know classification: Malathion is listed in PA, MN, MA, MI, FL and NJ.

SARA 311-312: Malathion

Reportable Quantity (RQ): Malathion (100 lbs)

Section 302: Not listed

Section 313: Not listed

Malathion is not known as a carcinogen.

Malathion is listed in chemical inventories in: AICS, ECL, EEC, ENCS, EU, Israel, MAC, MAK, MITI, PICCS, SWISS, Taiwan, TDG, and UK

Abbreviations:

AICS	Australian Inventory of Chemical Substances
CAS #	Chemical Abstract Service Number
°C	Celsius temperature scale
°F	Fahrenheit temperature scale
ECL	Korean Existing Chemicals List
EEC	European Economic Commission

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ENCS	Japanese Existing and New Chemical List
EINECS #	European Inventory of Existing Chemical Substances Number
EU	European Union
(Israel)	2001 proposed list of chemical substances to be regulated under Israel Hazardous Substances Law and Regulations List
MAC	Netherlands
MAK	Germany
MITI	Ministry of International trade and Industry
NA	Not applicable
PEL	Permissible Exposure Limit
PICCS	Philippines Inventory of Chemicals and Chemical Substances
PPE	Personal Protective Equipment
Prop.	Proprietary
NA	Not applicable
ND	Not determined
STEL	Short Term Exposure Limit
SWISS	Giftlist 1
SWISS	Inventory of Notified New Substances
TDG	Transportation of Dangerous Goods (Canada)
TLV	Threshold Limit Value
TSCA	Toxic Substance Control Act
TWA	Time Weighted Average
	(Taiwan) List of Toxic Chemical Substances regulated under Taiwan Toxic Chemical Substances Control Act of 1086
USA	United States of America
UK	United Kingdom

Section 16. Other Information

Hazardous Material Information (HMIS)

National Fire Protection Association (NFPA)

Health	2	2	Health
Fire	2	2	Fire
Reactivity	1	1	Instability
Personal Protection	K		NA

Health 4 Deadly 3 Extreme Danger 2 Dangerous 1 Slight hazard 0 No hazard
 Fire 4 < 73 °C 3 < 100 °C 2 < 200 °C 1 > 200 °C 0 Will not burn
 Reactivity/Instability 4 – May detonate 3 Explosive 2 Unstable 1 Normally stable 0 Stable

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