

# MATERIAL SAFETY DATA SHEET

Total Solutions  
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GENERAL INFORMATION NUMBER: (414) 354-6417  
CHEMTREC: (800) 424-9300

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## I - Product Identification

### Demise Fire Ant & Insect Dehydrator

PRODUCT CODE: 0604

CHEMICAL FORMULATION: Dry powered insecticide.

NFPA HAZARD IDENTIFICATION SYSTEM: HEALTH: 2

FLAMMABILITY: 1

REACTIVITY: 0

HAZARD RATING: 4 - Extreme; 3 - High; 2 - Moderate; 1 - Slight; 0 - Insignificant

## II - Hazardous Ingredients

Values reported as TWA unless noted.

SUBSTANCE	APPROX	OSHA	ACGIH	EPA 40 CFR:			CAS #
	%	PEL	TLV	302	355	372	
Pyrethrins	1.00	5mg/m <sup>3</sup>	5mg/m <sup>3</sup>	N	N	N	8003-34-7
Piperonyl Butoxide	10.00	N/A	N/A	N	N	N	51-03-6
Napthenic Solvent	4.00	100 ppm	N/A	N	N	N	64742-47-8

Key: PEL: Permissible Exposure Limit TLV: Threshold Limit Value C: Ceiling level STEL: Short Term Exposure Limit  
N/A: Not Applicable N/D: Not Determined N/E: Not Established Y: Yes N: No  
302: CERCLA List of Hazardous Substances and Reportable Quantities (40 CFR 302.4).  
355: SARA TITLE III / List of Extremely Hazardous Substances for Emergency Planning and Notification (40 CFR 355).  
372: SARA TITLE III / List of Toxic Chemicals subject to Release Reporting (Community Right to Know) (40 CFR 372).

## III - Physical Data

BOILING POINT (°F): N/A BULK DENSITY @ 20°C: 0.13 g/c<sup>3</sup>  
VAPOR PRESSURE (mm Hg): N/A VOC CONTENT (% by weight): N/D  
VAPOR DENSITY (AIR = 1): N/A EVAPORATION RATE (ether = 1): N/A  
SOLUBILITY IN WATER: Dispersible pH: 6.6 @ 20% (V/V) Washed in water  
APPEARANCE AND ODOR: Off white powder, plant extract odor

## IV - Fire and Explosion Hazard Data

FLASH POINT (°F): >200 (TEST METHOD): Closed cup  
FLAMMABLE LIMITS IN AIR (VOLUME %) UPPER: N/D LOWER: N/D  
EXTINGUISHING MEDIA: Alcohol foam, carbon dioxide, dry chemical.  
SPECIAL FIRE FIGHTING PROCEDURES: Treat as an oil fire. Firefighters should be equipped with full protective gear including self-contained breathing apparatus. Keep nearby containers and equipment cool with a water stream. Contain the run-off, if possible, for proper disposal.  
UNUSUAL FIRE AND EXPLOSION HAZARD: Dusts at significant concentrations can form explosive mixtures with air when exposed to high temperatures.

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**V - Reactivity Data**

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**STABILITY:** Stable**INCOMPATIBILITY:** Strong acidic or alkaline materials.**CONDITIONS TO AVOID:** None**HAZARDOUS DECOMPOSITION PRODUCTS:** N/A**HAZARDOUS POLYMERIZATION:** Will not occur.**CONDITIONS TO AVOID:** None

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**VI - Health Hazard Data**

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**ROUTES OF ENTRY**    **INHALATION:** X    **EYE CONTACT:** X    **SKIN CONTACT:** X    **INGESTION:** X  
**INGREDIENTS THAT ARE CONSIDERED BY OSHA, NTP, IARC TO BE SUSPECTED HUMAN CARCINOGENS:** None**EFFECTS OF OVEREXPOSURE****IF IN EYES:** Irritation, redness tearing, and blurred vision.**IF ON SKIN:** Prolonged or repeated exposure can cause irritation due to drying of the skin possibly progressing into dermatitis.**IF SWALLOWED:** Can cause stomach irritation, resulting in nausea, cramps and vomiting. Excessive ingestion can cause nervous system disorders, such as fatigue, dizziness, headaches, lack of coordination, tremors and unconsciousness.**IF INHALED:** Irritation to upper respiratory tract.**EMERGENCY AND FIRST AID PROCEDURES****IF IN EYES:** Flush eyes and under eyelids with plenty of cool water for at least 15 minutes. If irritation persists, obtain medical attention.**IF ON SKIN:** Wash with large amount soap and water. Remove contaminated clothing and launder separately before reuse. If irritation persists, obtain medical attention.**IF SWALLOWED:** Contact physician or poison control center immediately. Keep affected person warm and quiet. Do not induce vomiting.**IF INHALED:** Remove person to fresh air. Administer artificial respiration if breathing has stopped.**NOTE TO PHYSICIANS:** Contains Silica Powder.

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**VII - Spill or Leak Protection**

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**STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED:** Eliminate all ignition sources. Contain the spill (prevent this product from reaching surface waters or other water supplies). Sweep up the spill with sweeping compound and transfer into waste containers for disposal. Clean the spill area with detergent and water.**WASTE DISPOSAL METHOD:** Contaminated absorbent and wash water should be disposed of according to local, state and federal regulations.

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**VIII - Special Protection Information**

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**RESPIRATORY PROTECTION:** Do not breathe dusts. If recommended Exposure Limits are exceeded wear a NIOSH approved organic vapor respirator equipped with a dust collector.**VENTILATION****LOCAL:** Recommended**MECHANICAL:** Recommended**PROTECTIVE GLOVES:** Chemical resistant.**EYE PROTECTION:** Chemical goggles.**OTHER PROTECTIVE EQUIPMENT:** Emergency shower and eye wash station.**PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE:** Wear approved personal protective equipment. Mechanical ventilation should be used when handling this product in enclosed spaces. Do not contaminate water, feed or food by storage, handling or disposal. Read and observe all precautions and instructions on the label. Store containers upright and closed. Store in areas that are cool, dry and well ventilated. Keep away from heat, ignition sources and strong oxidizers. Emptied containers may retain product residues.**OTHER PRECAUTIONS:** Keep out of reach of children.

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**IX - Transportation Information (ground transportation only)**

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**DOT PROPER SHIPPING NAME:** N/A**DOT CLASS:** N/A**DOT ID NUMBER:** N/A**DOT PACKING GROUP:** N/A

The shipping information listed above applies only to non-bulk (<119 gallons) containers of this product. This product may have more than one proper shipping name depending on packaging, product properties, & mode of shipment. If any alteration of packaging, product, or mode of transportation is further intended, different shipping names and labeling may apply.

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