

MATERIAL SAFETY DATA SHEET

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

REVISION DATE: April 20, 2006
DATE OF ISSUE: April 27, 2006

I - Product Identification

Total Release Fogger

PRODUCT CODE: 8041

CHEMICAL FORMULATION: Pressurized water based residual insecticide.

NFPA HAZARD IDENTIFICATION SYSTEM: HEALTH: 1 FLAMMABILITY: 2 REACTIVITY: 1
HAZARD RATING: 4 - Extreme; 3 - High; 2 - Moderate; 1 - Slight; 0 - Insignificant

II - Hazardous Ingredients

Values reported as TWA unless noted.

SUBSTANCE	APPROX %	OSHA PEL	ACGIH TLV	EPA 40 CFR:			CAS #
				302	355	372	
Deodorized kerosene	1.00-10.0	100 ppm	100 ppm	N	N	N	64742-47-8
Pyrethrins	0.050	5 mg/m ³	5 mg/m ³	Y	N	N	8003-34-7
Piperonyl butoxide, technical	0.100	N/E	N/E	N	N	N	51-03-6
n-Octyl bicycloheptene dicarboximide	0.167	N/E	N/E	N	N	N	113-48-4
((S)-cyano(3-phenoxyphenyl)methyl(s)-4-chloro-alpha-(1-methylethyl)benzeneacetate)	0.100	N/E	N/E	N	N	N	66230-04-4
Liquified Petroleum Gas Mixture	30.0-40.0						
N-Butane		600 ppm	800 ppm	N	N	N	106-97-8
Propane		1000 ppm	2500 ppm	N	N	N	74-98-6
Isobutane		N/E	N/E	N	N	N	75-28-5

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 SPECIFIC GRAVITY (WATER = 1): 0.7583
VAPOR PRESSURE (mm Hg): N/D VOC CONTENT (% by weight): 40.0-45.0
VAPOR DENSITY (AIR = 1): N/D EVAPORATION RATE (WATER = 1): N/D
SOLUBILITY IN WATER: Slight pH: 5.9
APPEARANCE AND ODOR: Slightly cloudy, fine spray with insecticide odor.

IV - Fire and Explosion Hazard Data

FLASH POINT (°F): < 0°F (Propellant) 152°F (Concentrate) NFPA 30B Rating: 1
FLAMMABLE LIMITS IN AIR (VOLUME %) UPPER: 9.5 LOWER: 1.9
EXTINGUISHING MEDIA: Water spray, carbon dioxide, foam or dry chemicals..
SPECIAL FIRE FIGHTING PROCEDURES: Cool fire exposed containers with water fog. Firefighters should be equipped with full protective gear including self-contained breathing apparatus.
UNUSUAL FIRE AND EXPLOSION HAZARD: Contents under pressure. Exposure to temperatures above 120° F may cause bursting.

V - Reactivity Data

STABILITY: Stable

INCOMPATIBILITY: Strong acids and oxidizers.

CONDITIONS TO AVOID: Extreme temperatures.

HAZARDOUS DECOMPOSITION PRODUCTS: Thermal decomposition may produce oxides of carbon.

HAZARDOUS POLYMERIZATION: Will not occur.

CONDITIONS TO AVOID: None

VI - Health Hazard Data

ROUTES OF ENTRY **INHALATION:** X **EYE CONTACT:** X **SKIN CONTACT:** X **INGESTION:**
INGREDIENTS THAT ARE CONSIDERED BY OSHA, NTP, IARC TO BE SUSPECTED HUMAN CARCINOGENS: None

EFFECTS OF OVEREXPOSURE

IF IN EYES: May cause moderate irritation

IF ON SKIN: Prolonged or repeated contact may dry or defat the skin and lead to irritation. May cause allergic reaction in some individuals.

IF SWALLOWED: Exposure by ingestion is unlikely since an aerosol, but if ingested, the following may mouth, throat and stomach. May cause nausea, vomiting, pain, and stomach upset. Possible aspiration hazard – may cause inflammation of the lungs.

IF INHALED: High concentration or prolonged exposure can be irritating to eyes, nose and respiratory tract. Under misuse or intentional misuse, product may cause asphyxiation.

EMERGENCY AND FIRST AID PROCEDURES

IF IN EYES: Flush eyes and under eyelids with plenty of cool water for at least 15 minutes. Obtain medical attention.

IF ON SKIN: Flush with water for at least 15 minutes while removing contaminated clothing. Wash clothing separately before reuse. Obtain medical attention.

IF SWALLOWED: Contact physician or poison control center immediately. Do not induce vomiting. Rinse mouth with water and sip water if able to swallow. Never give anything by mouth to an unconscious person.

IF INHALED: Remove person to fresh air. If breathing has stopped, administer artificial respiration. If breathing is difficult, give oxygen. Obtain medical attention.

VII - Spill or Leak Protection

STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED: Ventilate area. Remove all sources of ignition. Contain spill and soak up material with inert absorbent material and place in a labeled closed container for disposal.

WASTE DISPOSAL METHOD: Consult local environmental authorities. Dispose of cans in non-incinerated trash only.

VIII - Special Protection Information

RESPIRATORY PROTECTION: Use with adequate ventilation. Do not breathe vapors or mists. If recommended Exposure Limits are exceeded, wear a NIOSH approved respirator, following manufacturer's recommendations.

VENTILATION

LOCAL: Recommended

MECHANICAL: Not required

PROTECTIVE GLOVES: Chemical resistant.

EYE PROTECTION: Safety glasses or goggles.

OTHER PROTECTIVE EQUIPMENT: Apron

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: Store in a cool, dry place away from heat or open flame. Turn off all ignition sources or running electrical appliances that cycle off and on.

OTHER PRECAUTIONS: Keep out of reach of children. Do not puncture or incinerate container.

IX - Transportation Information

DOT PROPER SHIPPING NAME: Consumer Commodity

DOT CLASS: ORM-D

DOT ID NUMBER: None

DOT PACKING GROUP: None

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.

REVISION DATE: April 20, 2006

Prepared by: Technical Dept.

DATE OF ISSUE: April 27, 2006

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