

Material Safety Data Sheet

Effective Date: 02-MAY-2005
Product: DEFCON 2.1G

I. IDENTIFICATION

Chemical Name: Tebupirimphos/Cyfluthrin Insecticide
Chemical Family: Organophosphate Pesticides
Formula: Not applicable, formulated mixture.
Synonyms: None
CAS Number: Not applicable, formulated mixture.
EPA Number: 264-813-5905

II. PHYSICAL DATA

Boiling Point: Not applicable
Freezing Point: Not applicable
Spec Gravity: 35-45 lbs./cu. ft. (density)
Vapor Pressure: Not determined
Vapor Density: Not applicable
Solubility: Insoluble
Volatiles: Not determined
Evaporation: Not applicable
Melting Point: Not applicable
Appearance: Tan/reddish granule; slight mercaptan-like odor.

III. INGREDIENTS

Material	CAS Number	Percent	TLV	Hazard
Tebupirimphos Technical	96182-535-5	2.150	N/E	Toxic
Cyfluthrin Technical	68359-37-5	0.105	N/E	Toxic
Proprietary blend of inert ingredients including ammonia salts of carboxylic acid.		97.745	N/E	Skin & eye irritant.

IV. FIRE AND EXPLOSION HAZARD

Flash Point: Non-combustible
Autoignition Temp: Not determined
Flammable Limit: Not applicable
Extinguishing Media: Use water or dry chemical extinguishing agents.
Special Fire Fight Proc: Wear self-contained breathing apparatus and full protective equipment. Keep out of smoke. Cool fire-exposed containers with water spray.
Fire and Expl Hazard: May produce toxic and irritating fumes under fire conditions.

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V. HEALTH HAZARD

Carcinogen Information: Not listed by IARC, NTP or OSHA.

ACUTE EFFECTS OF OVER EXPOSURE

- Swallowing: May be fatal if swallowed. Do not take internally.
- Skin Absorption: Substance is harmful if absorbed through skin. May cause irritation or redness with contact.
- Inhalation: Harmful if inhaled. Do not breathe vapors/dust. May cause respiratory tract irritation.
- Skin contact: May cause irritation or redness with contact. May cause a transient, localized paresthesia characterized by tingling, burning or numbness in some people.
- Eye Contact: Avoid contact with eyes. Causes moderate eye irritation.
- Chronic Effects: May contain crystalline silica which may cause silicosis, if large amounts are inhaled.
- Other Hazard: Any disease, medication or prior exposure which reduces normal cholinesterase activity may increase susceptibility to the toxic effects of this material's active ingredients.

EMERGENCY AND FIRST AID PROCEDURES

- Swallowing: Immediately call a doctor or poison control center. Sip a glass of water if able to swallow. Do not induce vomiting unless instructed to do so by a poison control center or doctor.
- Skin: Remove contaminated clothing. Immediately wash affected area with plenty of soap and water. Contact a poison control center or doctor for treatment advice.
- Inhalation: Move to fresh air. If not breathing, call 911 and administer artificial respiration. Contact a poison control center or doctor for treatment advice.
- Eyes: Flush eyes with plenty of water for at least 15 minutes, holding eyelids open. Call a poison control center or doctor for treatment advice.
- Notes to Physician: This product causes reversible cholinesterase inhibition. Repeated overexposure may cause more severe cholinesterase inhibition with

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more pronounced signs and symptoms. Symptoms of poisoning may not appear for several hours. Keep under medical surveillance for at least 48 hours. Symptoms of cholinesterase inhibition include nausea, salivation, blurred vision, excessive lachrymation and constricted pupils. Administer atropine sulfate in large, therapeutic doses. Repeated as needed to the point of tolerance. 2-PAM is also antidotal and may be administered in conjunction with atropine. Compound inhibits cholinesterase resulting in stimulation of the central nervous system, the parasympathetic nervous system and the somatic motor nerves. Do not give morphine. Watch for pulmonary edema, which may develop in serious cases of poisoning even after 24-48 hours. At first signs, place patient in oxygen tent and treat symptomatically.

VI. REACTIVITY

Stability: Stable
Conditions to Avoid: Heat and moisture.
Polymerization: Will Not Occur
Conditions to Avoid: None currently known.
Incompatibility material: Strong bases, strong oxidizers and methanol.
Hazardous Combustion: May produce oxides of nitrogen.

VII. SPILL OR LEAK PROCEDURES

Spill or Leak Proc: Keep unnecessary personnel away, isolate area and deny entry. Avoid creation of dusty conditions. Avoid skin contact and breathing of dusts. Use recommended PPE while carefully sweeping up spilled material. Place in a cover container for reuse, if uncontaminated, or for disposal. Scrub contaminated area with soap and water. Rinse with water and use dry absorbent to collect for proper disposal. Contaminated soil may have to be removed and disposed.
Waste Disposal Method: This material must be disposed of according to Federal, State or Local procedures under the Resource Conservation and Recovery Act.

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VIII. SPECIAL PROTECTION INFORMATION

Respiration: Dust/mist respirator (NIOSH-approval TC-21C) or
NIOSH-approved respirator with N, R, P or HE
filter.
Ventilation: Mechanical
Gloves: Chemical-resistant gloves
Eyes: Chemical goggles/safety glasses w/side shields.
Other: Eyewash station, safety shower, long sleeved
shirt and long pants, and shoes plus socks.

IX. SPECIAL PRECAUTIONS

Special precaution: Keep out of reach of children. Do not
contaminate lakes, streams or waterways with
this material. Do not store with food, feed or
other material to be used or consumed by humans
or animals. Do not transport or store at
temperatures above 100 Degrees F.
Other precaution: Store in a cool, dry place and in such a manner
as to prevent cross contamination with other
pesticides. Store in original containers,
preferably in a locked storage area.

X. SHIPPING INFORMATION

Shipping name: Organophosphorus Pesticides, Solid, Toxic,
(Tebupirimphos), 6.1, UN2783, PG III "ERG #
152"
Hazard Class: Poison (6)
Identification No: UN2783
Labels Required: Poison (6)
Placarding: Poison (6)
Freight Class: Insecticides, n.o.i., Poison
Chemical Name Equivalent R.Q.

Not applicable Not applicable

XI. GENERAL PRODUCT INFORMATION

National Fire Protection Association Rating:
(Rating level: 4-Extreme, 3-High, 2-Moderate, 1-Slight, 0-Minimum

Health: 2 Fire: 0 Reactivity: 0

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S.A.R.A. Title III Hazard Classification: (Yes/No)

Immediate (Acute) Health: Y	Delayed (Chronic) Health: N
Sudden Release of pressure: N	Fire: N
Reactive: N	

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