MATERIAL SAFETY DATA SHEET

Easy Gardener Products, Ltd.
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Date Prepared: 2/7/04
Emergency Phone Number: (800) 327-9462 USA
8:00 a.m. - 5:00 p.m. CT, Mon. - Fri.

1. PRODUCT IDENTIFICATION

Product: **Jobe's Tree Insecticide Spikes - 12-6-4**
Item No(s)- 1090
Hazardous Components: Yes
EPA REG # 46260-12

Ingredients:

Component	CAS No.	Hazardous?	OSHA PEL	ACGIH TLV
Disulfoton 1%	298-04-4	Yes	0.1 mg/m3	0.1 mg/m3

Note to Physician: The remainder of this product is derived from the following non-toxic compounds: Ammonium Sulfate, Potassium Chloride, Diammonium Phosphate, Triple Superphosphate, Micronutrients, Rubine Red Pigment and Proprietary Binders
Micronutrient mixture is sulfated oxide of iron, zinc, manganese and copper

2. PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point: N/A
Melting Point: N/A
Specific Gravity (H_2O=1): 1.12
Solubility: Readily dissolves in water
Vapor Pressure (mm Hg.): N/A
Vapor Density (Air =1): N/A
Evaporation Rate (Butyl Acetate =1): N/A
Appearance & Odor: Reddish speckled 50g spike with pungent mercaptan-like insecticide odor

3. FIRE AND EXPLOSION DATA

Flash Point: N/A
Flammable Limits: N/A
Extinguishing Media: Water or foam
Special Fire Fighting Procedures: None
Unusual Fire and Explosion Hazards: N/A
NFPA Code: ☑ Health: 1 ☑ Fire: 0 ☑ Reactivity: 0

4. REACTIVITY DATA

Stability: Stable
Incompatibility (Materials to Avoid): N/A
Hazardous Polymerization: Will Not Occur
Conditions to Avoid: N/A
Hazardous Decomposition Products: SO_2, CO, C_2H_5SH

5. EMERGENCY TREATMENT PROCEDURES

Emergency First Aid Procedures:
Inhalation: Move the person to fresh air. If not breathing, give artificial respiration, preferably mouth to mouth. Get medical attention immediately.
Ingestion: : Give large quantities of water if patient is conscious. Induce vomiting by giving 1/2 oz. of syrup of ipecac, or induce by sticking finger down throat. Repeat until vomit fluid is clear. Have patient lie down and keep quiet. Seek medical attention.
Skin Contact: Wash thoroughly after use.
Eye Contact: May cause mechanical irritation and burning
- Immediately flush with cool running water for 15 minutes
- Call a physician if irritation persists

Aggravations of Pre-existing Conditions: N/A
Carcinogenicity: N/A

Effects of Overexposure: Disulfoton is a toxic chemical, which inhibits the enzyme cholinesterase. Uncontrolled exposure to Disulfoton(the raw material) can produce symptoms such as nausea, sweating, a sense of tightness in the chest and constricted pupils. Increasing exposure can produce more serious symptoms such as stomach pains, vomiting and diarrhea, while grossly excessive exposure can produce more serious symptoms of life threatening effects, such as muscular tremors, uncontrolled mucous secretion, convulsions and coma.

NOTE TO PHYSICIANS: **Antidote**: Administer atropine sulfate in large therapeutic doses. Repeat as necessary to the point of tolerance. 2-PAM is also antidotal and may be administered in conjunction with atropine.

The 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 12 hours. At first sign of pulmonary edema, the patient should be placed in an oxygen tent and treated symptomatically.

In case of poisoning, it is also requested that Bayer, Inc. be notified: (816) 242-2504.

6. PRECAUTIONS FOR SAFE HANDLING AND USE

This product is toxic to wildlife, fish and birds. Keep out of any body of water. Do not contaminate water when disposing of equipment wash water.
Steps to be taken if material is released or spilled: Dike to prevent runoff into waterways or sewers. Avoid breathing vapors and skin contact. Decontaminate with detergent and bleach or caustic solution.
Waste Disposal Method: Bury absorbed material in EPA-approved landfill or burn in an incinerator approved for pesticide destruction.
Storage: Store in a cool, dry area designated specifically for pesticides. Do not store near any material intended for use or consumption by humans or animals. Refill tablets deteriorate in damp conditions.

7. CONTROL MEASURES

Respiratory Protection: N/A
Ventilation: Maintain exposure levels below exposure limits through use of general and local exhaust ventilation.
Skin: Latex or neoprene gloves.
Eyes: N/A
Other Protective Clothing or Equipment: None

8. HEALTH HAZARD DATA

Toxicity: Oral LD50: Male rat 460 mg/kg. Female rat 160-460 mg/kg. Dermal LD50: Rabbit greater than 500 mg/kg. Inhalation LD50: Rat 15 % Di-Syston, greater than 20 mg/l (nominal).
Primary routes of Entry: Ingestion and inhalation
Signs & Symptoms of Exposure: See section five.

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