

K 11730

Material Safety Data Sheet (IP)

IDENTITY (As Used on Label and List) Insect Preservative (Grasshopper and Tarantula Specimens)		Distributor SARGENT-WELCH
Section I		
Manufacturer's Name RANACO CORPORATION		Emergency Telephone Number 24HR Assistance CHEMTREC: 1-800-424-9300
Address (Number, Street, City, State, and ZIP Code) 4345 E. Irvington Road Tucson, AZ 85714		Telephone Number for Information 1-520-790-7737 (Arizona Time 8am-5pm)
		Date Prepared April 25, 2002
		Signature of Preparer (Optional)

Section II – Hazardous Ingredients/Identity Information

Hazardous Components (Specific Chemical Identity; Common Name(s))	CAS #	OSHA PEL	ACGIH TLV	Other Limits Recommended	% Optional
Isopropanol (Isopropyl alcohol)	67-63-0	400PPM	400PPM	None Recommended	≤1
Ethyl Acetate	141-78-6	400PPM	400PPM		0
Benzyl Alcohol	100-51-6	Not Established	Not Established	Not Established	
Propylene Glycol	57-55-6	Not Established	Not Established	Not Established	

Section III – Physical/Chemical Characteristics

Boiling Point	>78 °C	Specific Gravity (H ₂ O = 1)	Unknown
Vapor Pressure (mm Hg.) (MM Hg)	Unknown	Melting Point	N/A
Vapor Density (AIR = 1)	Unknown	Evaporation Rate Butyl Acetate = 1	Unknown
Solubility in Water Complete			
Appearance and Odor Specimen with mild chemical odor.			

Section IV – Fire and Explosion Hazard Data

Flash Point (Method Used) Isopropanol: 11.7 °C Ethyl Acetate: 4.0 °C	Flammable Limits	LEL Isopropanol 2.0 Ethyl Acetate 2.02	UEL Isopropanol 12.0 Ethyl Acetate 10.7
Extinguishing Media Use water fog, carbon dioxide, "Alcohol" foam, or dry chemical. Cool fire exposed containers with water spray.			
Special Fire Fighting Procedures Wear fire fighting protective equipment and a self-contained breathing apparatus.			
Unusual Fire and Explosive Hazards Containers may rupture due to heat of fire. Vapors may accumulate and travel to ignition sources distance from handling site; Flash-fire can result.			

Section V – Reactivity Data

Stability	Unstable		Conditions to Avoid
	Stable	X	High heat, sparks, open flames and other sources of ignition.
Incompatibility (Materials to Avoid)			
Strong oxidizing agents, aluminum equipment at temperatures above 120 °F.			
Hazardous Decomposition or Byproducts			
May emit carbon monoxide, carbon dioxide and unidentified organics.			
Hazardous Polymerization	May Occur		Conditions to Avoid
	Will Not Occur	X	Not relevant.

Section VI – Health Hazard Data

Route(s) of Entry:	Inhalation?	Skin?	Ingestion?
	Yes	Yes	Yes
Health Hazards (Acute and Chronic)			
ACUTE: Inhalation may cause central nervous system depression. Ingestion may cause CNS depression, low blood pressure, rapid heart beat and liver damage. In extreme cases, unconsciousness, respiratory depression and death may occur. Moderately irritates eyes. Mildly irritates skin. CHRONIC: Unknown.			
Carinogenicity:	NTP?	IARC Monographs?	OSHA Regulated?
	No	No	No

Signs and Symptoms of Exposure

Eye, skin, respiratory and gastrointestinal tracts irritation, headache, dizziness, nausea, loss of appetite, jaundice and sometimes pain in the upper abdomen on the right side.

Medical Conditions Generally Aggravated by Exposure

Persons with pre-existing disorders, eye problems or impaired liver or respiratory function may be more susceptible to the effects of this product.

Emergency and First Aid Procedures

INGESTION: If conscious, drink no more than 2 glasses of water and induce vomiting. Keep head below hips while vomiting.

INHALATION: Remove from exposure. Provide CPR/oxygen if needed. **EYES:** Flush with water for 15 minutes. Hold eyelids open.

SKIN: Flush with water. Seek medical attention if any of the above symptoms persist.

Section VII – Precautions for Safe Handling and Use**Steps to Be Taken in Case Material is Released or Spilled**

Wear protective equipment. Eliminate sources of ignition. Ventilate area. Remove spill with pump or with non-flammable absorbent. Place in suitable container for disposal. Prevent liquid from entering sewers, waterways or low areas.

Waste Disposal Method

Insure conformity with government disposal regulations. Use certified vendor for disposal by incineration.

Precautions to Be Taken in Handling and Storage

Store in tightly closed containers in flammable liquid storage room/cabinet. Avoid excessive heat. Keep away from incompatible materials.

Other Precautions

Do not pressurize, cut, weld, braze, solder, drill, grind, or expose containers to heat, flame, sparks, static electricity, or other sources of ignition. Do not store or handle in aluminum equipment at temperatures above 120 °F.

Section VIII – Control Measures**Respiratory Protection (Specify Type)**

If levels may or does exceed the recommended health standards, wear a respirator. For emergency use, wear breathing apparatus.

Ventilation	Local Exhaust	Special
	Ventilation to maintain exposure below TLV(s)	Explosive proof
	Mechanical	Other
Protective Gloves	Yes	Eye Protection
		Safety glasses/face shield

Other Protective Clothing or Equipment

Long sleeved shirt, trousers, and safety shoes. Eye wash station and safety showers should be available in the immediate vicinity of any potential exposure.

Work/Hygienic Practices

Wash hands before eating, drinking, smoking, or using toilet facilities. Wash contaminated clothing before reuse.

FOR ADDITIONAL INFORMATION

Contact Ranaco's Safety Manager during business hours at (520) 790-7737

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