

MATERIAL SAFETY DATA SHEET

Natural Guard Insecticidal Soap Concentrate

Manufacturer: Voluntary Purchasing Groups, Inc.
PO Box 460
Bonham, TX 75418

Date: August 20, 2004
Supersedes
Telephone: 903-583-5501

I. PRODUCT INFORMATION

Product: Insecticidal Soap Concentrate
Chemical Family: Insecticidal Soap/vegetable oil salts

II. HAZARDOUS INGREDIENTS

<u>Components</u>	<u>%</u>	<u>Hazard Information</u>
Potassium salts of fatty acid	47	Eye irritant

III. PHYSICAL AND CHEMICAL CHARACTERISTICS (FIRE AND EXPLOSION DATA)

Boiling Point, °C:	~100
Vapor Pressure (mm Hg):	NAV
Vapor Density (Air = 1):	NAV
Solubility in Water:	soluble
Appearance and Odor:	clear, amber, viscous liquid
Flash Point (°C):	N/A
Specific Gravity, 25°C:	0.99
pH:	8.4-8.8
Extinguishing Media for Fires:	water, foam or CO ₂
Special Fire Fighting Procedures:	self contained breathing apparatus
Unusual Fire and Explosion Hazards:	none

N/A - not applicable, NAV - not available, ca. - approximately

IV. PHYSICAL HAZARDS

Stability:	stable
Materials to Avoid:	strong oxidizing agents
Hazardous Decomposition Products:	carbon oxides may form upon burning
Hazardous Polymerization Conditions:	none

V. HEALTH HAZARD DATA

TLV: NAV	OSHA PEL NAV:	LD ₅₀ (oral) >5000 mg/kg
LC ₅₀ (fish): NAV		
Carcinogen or Potential Carcinogen	NTP: no	IARC: no OSHA: no

Routes of Entry:	Inhalation, ingestion, eyes
Skin:	Causes skin irritation May aggravate pre-existing skin condition (LD50 >5000 mg/kg)
Eyes:	Causes substantial but temporary eye injury.
Ingestion:	May cause gastrointestinal irritation, nausea (LD50 > 5000 mg/kg)
Inhalation	NA
Effects of Overexposure:	Eyes/skin-prolonged exposure can cause redness, burning Ingestion-may cause nausea, vomiting
Medical Conditions Aggravated:	Skin disorders

VI. EMERGENCY FIRST AID PROCEDURES

Skin:	Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.
Eyes:	Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing. Call a poison control center or doctor for treatment advice.
Ingestion:	Consult physician
Inhalation:	Remove to fresh air

VII. SPECIAL PROTECTION INFORMATION

Ventilation:	not required
Respiratory Protection:	not required
Eye Protection:	safety goggles, face shield or safety glasses
Protective Gloves:	not required
Other Protective Equipment:	wear protective clothing to avoid prolonged skin contact

VIII. SPECIAL PRECAUTIONS AND SPILL/LEAK PROCEDURES

Storage Recommendations:	none
Spill or Leak Procedures:	Material is slippery when spilled. Soak up with a solid absorbent and collect for disposal. Small amounts may be flushed with water.
Disposal Recommendations:	Dispose in accordance with local regulations.
