

SAFER LTD.

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MATERIAL SAFETY DATA SHEET

Product Name: Safers® Insecticidal Soap CONC
P.C.P. Registration Number: 14669

Product Code: 2009, 2003, 2007

SECTION I: IDENTIFICATION

Product Description (Ingredients):
50.5% potassium salts of fatty acids, 30% alcohols.
Exact composition is proprietary.

SECTION II: PHYSICAL & CHEMICAL CHARACTERISTICS

Bulk Density (H₂O=1): .93 kg/L
Solubility in Water: Highly soluble.
Appearance and Odour: Amber liquid with lard odour.

SECTION III

FIRE & EXPLOSION HAZARD DATA

Flash Point (method used): < 21 °C
Extinguishing Media: Water, "alcohol" foam.
Special Fire Fighting Procedures: Product's alcohol content contributes to its flammability.
Water should be sufficient.

SECTION IV: REACTIVITY DATA

Stability: Stable.
Incompatibility (materials to avoid):
Concentrated mineral supplements (fertilizers).
Hazardous Decomposition Products: None known.
Hazardous Polymerization: Will not occur.

SECTION V: HEALTH HAZARD DATA

OSHA PEL: 1000 ppm or 1900 mg/m³ (ethanol)
Routes of Entry: Eye and skin contact, inhalation, ingestion.
Effects of Overexposure: May cause temporary skin irritation, but is non-sensitizing. May cause temporary eye irritation reversible with no effects apparent after 16 days.
Carcinogens: Chronic oral consumption of ethyl alcohol has been linked to birth defects and cancer in humans.
Emergency First Aid Procedures:
Eye Contact: Flush with water.
Skin Contact: If sensitive, flush with water.
Inhalation: Remove from area.
Ingestion: Give demulcent (milk).

SECTION VI: PROTECTIVE MEASURES

Ventilation: Use in areas with good general ventilation/local exhaust.
Respiratory Protection: Avoid inhaling product.
Eye/Skin Protection: Splash goggles and rubber gloves recommended.

SECTION VII STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage or disposal. Do not reuse empty container.
Spills: Rinse with abundant water, mop up.
Storage: Store in cool, dry place.
Disposal: Dispose in accordance with local, provincial and federal regulations.

ALWAYS READ AND FOLLOW LABEL DIRECTIONS

Emergency Response #'s - USE IN CASE OF CHEMICAL EMERGENCY ONLY
CANUTEC (613) 996-6666 Hazard Information Services 1-800-228-5635 Ext. 170

SECTION 6 - HEALTH HAZARDS

1. Acute Acute oral LD50 > 5ml/kg 2. Chronic NOT APPLICABLE
Signs and Symptoms of Exposure See below "ROUTES OF ENTRY"

Medical Condition Generally Aggravated by Exposure Soap allergies

Chemical Listed as Carcinogen or Potential Carcinogen NO National Toxicology Program Yes No ✓ I.A.R.C. Monographs Yes No ✓ OSHA Yes No ✓

Emergency and First Aid Procedures Inhalation - remove from area; Eyes - flush with water; Skin, if sensitive - flush with water; Ingestion - give demulcent (milk)

ROUTES OF ENTRY
1. Inhalation Acute inhalation of liquid concentrate in rats showed no toxic effects.
2. Eyes Liquid concentrate caused irritation to eyes of rabbits. Irritation was reversible with no effects after 16 days.
3. Skin Primary skin irritation tests on rabbits conducted according to procedures set out in FIFRA showed that the soap is not a primary skin irritant.
4. Ingestion Acute oral LD50 in rats 5.0 ml/kg

SECTION 7 - SPECIAL PRECAUTIONS AND SPILL/LEAK PROCEDURES

Precautions to be Taken in Handling & Storage Store away from open flames

Other Precautions Avoid splashing concentrate in eyes

Steps to be Taken in Case Material is Released or Spilled Rinse with abundant water and mop up

Waste Disposal Method (Consult federal, provincial and local regulations) Dispose in accordance with local, state or federal regulations

SECTION 8 - SPECIAL PROTECTION INFORMATION/CONTROL MEASURES

Respiratory Protection (Specify Type) Not required

Ventilation Local Exhaust Not required Mechanical Acceptable (General) Special N/A Other N/A

Protective Gloves Not required Eye Protection Not required

Other Protective Clothing or Equipment NOT APPLICABLE