

Common Name: (used on label and list) Safer's New Insecticidal Soap Concentrate
 Product Code(s):

SECTION 1

Manufacturer's Name Safer, Inc.
 Address 189 Wells Ave. Emergency Telephone No. 617-964-2990
 City, State, Zip Newton, MA 02159 Other Information Calls 1-800-423-7544
 Signature of Person Responsible for Preparation (Optional) Date Prepared October 27, 1987

SECTION 2 - HAZARDOUS INGREDIENTS/IDENTITY

Hazardous Component(s) (chemical & common name(s))	OSHA PEL	ACGIH TLV	Other Exposure Limits	% (optional)	CAS NO.
Not Hazardous (49% Potassium salts of fatty acids)					

SECTION 3 - PHYSICAL & CHEMICAL CHARACTERISTICS

Boiling Point <u>93°C</u>	Specific Gravity (H ₂ O = 1) <u>0.93</u>	Vapour Pressure (mm Hg) <u>1/6.5°C</u>
Vapour Density (Air = 1) <u>NA</u>		
Solubility in Water <u>Highly soluble</u>	Reactivity in Water <u>Not reactive</u>	
Appearance and Odour <u>Amber liquid with lard odor</u>	Melting Point <u>-5°C</u>	

SECTION 4 - FIRE & EXPLOSION DATA

Flash Point <u>33°C</u>	Method Used <u>Taget Open Cup</u>	Flammable Limits in Air % by Volume	LEL Lower <u>NA</u>	UEL Upper <u>NA</u>
Auto-ignition Temperature	Extinguisher Media <u>Water, alcohol foam</u>			
Special Fire Fighting Procedure	<u>This product is 30% alcohol which contributes to its flammability. Water should be sufficient to dilute the alcohol and extinguish the flame.</u>			
Unusual Fire and Explosion Hazards	<u>If difficulty occurs, use an "alcohol" foam.</u>			

SECTION 5 - PHYSICAL HAZARDS (REACTIVITY DATA)

Stability Unstable Stable Conditions to Avoid NA

Incompatibility (Materials to Avoid) Concentrated mineral supplements (fertilizers)

Hazardous Decomposition Products None known

Hazardous Polymerization May Occur Will Not Occur Conditions to Avoid

SECTION 5 - PHYSICAL HAZARDS (REACTIVITY DATA)

Stability Unstable Conditions
Stable to Avoid N/A

Incompatibility
(Materials to Avoid) Concentrated mineral supplements (fertilizers)

Hazardous
Decomposition Products None Known

Hazardous Polymerization May Occur Conditions
Will Not Occur to Avoid N/A

SECTION 6 - HEALTH HAZARDS

1. Acute Acute oral LD₅₀ > 5 ml/kg 2. Chronic N/A

Signs and Symptoms of Exposure See below "Routes of Entry"

Medical Conditions 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 effect.
2. Eyes Liquid concentrate caused irritation to eyes of rabbits. Irritation was reversible with no effects after 16 days.
3. Skin Primary skin irritation test 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 and 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 Methods (Consult federal, state, 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 Nor required Mechanical (General) Acceptable Special N/A Other N/A

Protective Gloves No Eye Protection No

Other Protective Clothing or Equipment N/A

Work/Hygienic Practices N/A

IMPORTANT

Do not leave any blank spaces. If required information is unavailable, unknown, or does not apply, so indicate.

SECTION 6 - HEALTH HAZARDS

1. Acute

Oral LD₅₀ in rats > 15.0 ml/kg

2. Chronic

Signs and Symptoms of Exposure

Medical Conditions Generally Aggravated by Exposure

Soap allergies

Chemical Listed as Carcinogen or Potential Carcinogen

NA

National Toxicology Program

Yes
No

I.A.R.C. Monographs

Yes
No

OSHA

Yes
No

Emergency and First Aid Procedures

ROUTES OF ENTRY

1. Inhalation

Remove from area

2. Eyes

Concentrate causes temporary eye irritation, flush with water

3. Skin

Concentrate may cause temporary skin irritation but is non-sensitizing, flush with water

4. Ingestion

Give demulcent (milk)

SECTION 7 - SPECIAL PRECAUTIONS AND SPILL/LEAK PROCEDURES

Precautions to be Taken in Handling and 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 Methods (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 (General)

Acceptable

Special

NA

Other

NA

Protective Gloves

No

Eye Protection

No

Other Protective Clothing or Equipment

NA

Work/Hygienic Practices

NA

IMPORTANT

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