

MSDS

Santi-Kleen

The Original Pine Oil Household Helper

EMERGENCY TELEPHONES

CHEMTREC (800) 424-9300

1 PRODUCT IDENTIFICATION

Product name – Santi-Kleen

EPA Reg. No. 4402-2-70261

Chemical family - mixture.

Components - pine oil (CAS 8002-09-3)

CAS number - mixture.

Proper shipping name - cleaning compound class 55.

DOT hazard name (49 CFR §172.101) none.

DOT ID no. (49 CFR §172.101) none.

DOT hazard class (HM 126 F)

pack size class

0-1 Gal. consumer commodity ORMD

>1 Gal. combustible liquid

RCRA hazard name (40 CFR §261) none.

EPA priority pollutants (40 CFR §122.23) none.

HMIS ratings†

Health.....	1
Flammability.....	1
Reactivity.....	0

†Hazardous Materials Identification System rating for the product as it is supplied. Degree of hazard 4-extreme, 3-high, 2-moderate, 1-slight, 0-insignificant

2 INGREDIENTS

Identity	CAS #	%	PEL/TLV
*pine oil	8002-09-3	<90%	N.E.
tall-oil soap	61790-12-3	<12%	N.E.
water	7732-18-5	<10%	N.E.

*Hazardous components pine oil

Current PEL/TLV‡ not established.

‡OSHA Permissible Exposure Limit and American Conference of Governmental Industrial Hygienists Threshold Limit Value.

3 PHYSICAL DATA

Appearance - clear liquid.

Odor - pine

Color - amber

Phenol coefficient - 5

Per cent volatile - 90%.

Specific gravity - 0.936.

Vapor pressure (20 C) - < 30 mm Hg.

Vapor density - heavier than air.

pH - 9.5

Freeze point - 0 C (32 F).

Boiling point - 400-430 F

Solubility in water - emulsifiable

Evaporation rate - approx. 1 (water=1)

4 FIRE & REACTIVITY DATA

Flash point - 66 C (150 F) TCC

Auto ignition temperature - Not determined

Extinguishing media - Water spray, dry chemical, foam, carbon dioxide, or Halon®

Special fire fighting procedures - Use water to keep fire-exposed containers cool.

Unusual fire and explosion hazards - Products of combustion may contain carbon monoxide and low molecular weight hydrocarbons.

Stability considerations - stable.

Materials to avoid DO NOT MIX WITH ANY OTHER CHEMICAL, ESPECIALLY BLEACH!!

5 HEALTH EFFECTS

Warning - Causes eye and skin irritation. Vapors may cause respiratory tract irritation. May be harmful if swallowed.

Signs and symptoms of overexposure

Eye effects — Irritating.

Skin effects — Prolonged contact to concentrate can cause skin irritation.

Inhalation — Vapors may be irritating to upper respiratory tract.

Ingestion — May cause severe gastro-intestinal tract irritation. Aspiration may cause pulmonary edema and chemical pneumonitis.

Medical conditions aggravated by exposure Because of its irritating and de-fatting properties, this material may exacerbate an existing dermatitis.

Primary routes of entry - Eyes, skin, inhalation.

Carcinogenic properties - This product and its ingredients are not listed as carcinogens by NTP (National Toxicology Program); not regulated as a carcinogen by OSHA; not evaluated by International Agency for Research on Cancer.

6 EMERGENCY & FIRST AID

Eyes — Remove contact lenses. Immediately flush eyes with plenty of water for at least 15 minutes. Retract eyelid frequently to flush underneath. Call a physician.

Skin effects — Remove contaminated clothing and wash before reuse. Rinse skin with plenty of water.

Inhalation — Remove to fresh air. Treat irritation symptomatically and call a physician.

Ingestion — If conscious, the person should drink large quantities of water to dilute the product. Do not induce vomiting. Call a physician or poison control center. Never give liquids to an unconscious person.

7 SPILL PROCEDURES

Steps to be taken if material is spilled or released - Flush with water.

Waste disposal method - Rinse empty container and dispose.

Hazardous waste regulations - This product is not listed in federal hazardous waste regulations 40 CFR §261.33 paragraphs (e) or (f); that is, chemical products that are considered hazardous if they become wastes. It does not exhibit any of the hazardous characteristics associated with 40 CFR §261 subpart C. State or local regulations may apply.

8 HANDLING

Appropriate hygienic practices - Avoid contact with eyes, skin, or clothing. Avoid breathing vapor. Do not swallow. Wash thoroughly after handling and before eating, drinking, or smoking. Remove contaminated clothing and wash before reuse.

Personal protective equipment - Impervious gloves, chemical goggles, appropriate protective clothing.

Work practices - Eyewash and skin rinsing facilities must be easily accessible. Discard promptly items such as rags, insulation, and trash soaked with this material and exposed to air, as spontaneous heating may occur. Handle in adequate ventilation.

Handling and storage precautions - This product may react with strong oxidizers and should not be stored near such material. Store away from food or drink that could become contaminated in case of leakage. Keep away from heat and open flame. Keep product in locked storage sufficient to restrict access to children or adults unfamiliar with its proper use.

Engineering controls - Provide adequate ventilation. When used on floors, post warnings of slipping hazard.

9 PREPARATION INFO

Reason for issue - Periodic update.

Prepared by Bret Holmes

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