SKILCRAFT
Pine Oil 60%, Disinfectant, Detergent

Material Safety Data Sheet

Section 1. Chemical Product and Company Identification

Product Name: SKILCRAFT PINE OIL, 60%
Product Use: Concentrated pine oil disinfectant, detergent cleaner.

The Lighthouse of Houston
3530 West Dallas
Houston, TX 77019
Phone: 713-526-8251
MSDS Internet Address: www.thelighthouseofhouston.org

IN CASE OF EMERGENCY:
CHEM-TEL: 800-255-3924
MSDS#: 7904/3129/8346
Supersedes: All before 1/05

NSN: 6840-00-687-7904 Quart
     6840-00-584-3129 Gallon
     6840-00-551-8346 Drum

UNIT OF ISSUE:
QT = 24/Case
Gal = 6/Case
Drum = 1/ea

GSA Contract#: GS-07F-P0060
CAGE#: 1A862
EPA Registration: 34160-5

Section 2. Composition and Information on Ingredients

<table>
<thead>
<tr>
<th>Ingredients</th>
<th>CAS#</th>
<th>% by Wt</th>
<th>Exposure Limits</th>
<th>LC50/LD50</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pine Oil (Terpene Alcohol)</td>
<td>8002-09-3</td>
<td>60.00%</td>
<td>Not available.</td>
<td>Not Established</td>
</tr>
<tr>
<td>Isopropanol</td>
<td>67-63-0</td>
<td>3.00%</td>
<td>400 ppm</td>
<td>ACGIH 400 ppm TWA, ACGIH 500 ppm STEL</td>
</tr>
<tr>
<td>Sodium Hydroxide</td>
<td>1310-73-2</td>
<td>&lt;2.00%</td>
<td>Not available.</td>
<td>OSHA PEL 2 mg/m3, ACGIH TLV 2 mg/m3 (ceiling)</td>
</tr>
<tr>
<td>Tall Oil Fatty Acid</td>
<td>61790-12-3</td>
<td>10-11%</td>
<td>Not available.</td>
<td>Not Established</td>
</tr>
</tbody>
</table>

Section 3. Hazards Identification

Routes of Entry: Inhalation, Skin contact, Eye Contact

Eyes: Flush immediately with water for at least 15 minutes. Call a physician.

Skin: Wash with soap and water. Remove contaminated clothing and wash before reuse. If irritation persists, call a physician.

Inhalation: Remove exposed person to fresh air. Treat symptomatically. Call a physician.

Ingestion: Drink large quantities of milk or water. Call a physician. DO NOT INDUCE VOMITING.

Medical Conditions Aggravated by Overexposure:

Note: This product is essentially a combination of soap and pine oil which causes minimal ill effects when used as such. May be allergenic to some users. No ill effects have been noted from long term use of this product when used as directed. Usual caution should be exercised to prevent long term skin contact or any eye contact. Prolonged contact may cause skin rash or contact dermatitis. See Toxicological Information (section 11)

Prepared by Light House of Houston 5/8/2005
Section 4. First Aid Measures

**Eyes:** Remove any contact lenses at once. Flush eyes well with large quantities of water for 20-30 minutes. See a physician immediately.

**Skin:** Rinse with plenty of water. If irritation develops, get medical attention.

**Inhalation:** If symptoms of over-exposure are experienced, evacuate to fresh air. If symptoms persist, seek medical attention.

**Ingestion:** Do NOT induce vomiting. Drink 2-3 glasses of milk and consult physician immediately.

Section 5. Fire Fighting Measures

**Flammability of the Product** None known.

**Flash Points:** 170 Degree F (77 Degree C)

**Products of combustion** CO, CO2 and other hydrocarbons.

**Fire Fighting Media and instructions** Extinguish with regular foam, CO2, Dry Chemical (Class B).

**Special Remarks on fire and Explosion Hazards** None known.

Section 6. Accidental Release Measures

**Personal Precautions:** Put on appropriate personal protective equipment (see Section 8).

**Environmental Precautions:** Do not discharge into lakes, streams, ponds or public waterways unless in accordance with a NPDES permit. For guidance contact the US EPA.

Section 7. Handling and Storage

**Handling:** INDUSTRIAL USE ONLY. EPA Registration#: 34160-5

**Storage:** Keep away from sparks and open flame. Keep in original container only. Store separately from pesticides, fertilizer and food. Protect from freezing. KEEP OUT OF REACH OF CHILDREN.

Section 8. Exposure Controls/Personal Protection

**Engineering Controls:** Eye, skin and mucous membrane irritation. Harmful if swallowed. Inhalation may cause nausea. Toxic in large doses if swallowed. Kidney damage.

**Personal Protection:**

- **Eyes:** Chemical splash type goggles to avoid eye contact.
- **Hands:** If needed rubber or vinyl gloves to avoid skin irritation.
- **Respiratory:** Use chemical type respirator if needed to keep level below TLV.
- **Feet:** No special requirements under normal use conditions.
- **Body:** No special protective clothing is required.

Section 9. Physical and Chemical Properties

**Physical State:** Liquid

**Odor:** Pine type.

**Color:** Straw yellow to dark amber.

**pH:** 10.5

**Specific Gravity:** 0.945

**Melting/Freezing Point:** 0°C (32°F)

**Viscosity:** 46

**Percent Volatile:** 77% @ 212 Degree F

**Boiling Range:** 365 Degree F (185 Degree C)

**Solubility in water:** Complete

Section 10. Stability and Reactivity

**Stability:** This product is stable.

**Conditions of instability:** Keep from freezing.

**Incompatibility with Various Substances:** Avoid mixing with: Oxidizing agents.

**Hazardous Decomposition Products:** Oxides of carbon, hydrocarbons, degraded alcohols and terpene hydrocarbons.

**Hazardous Polymerization:** Will not occur.

Section 11. Toxicological Information

**Acute Toxicity:** None known

**Toxicity:** None known

**Other Toxic Effects:** None known

Section 12. Ecological Information

Not Available
Section 13. Disposal Considerations

Product Disposal: Follow all applicable local, state, and federal guidelines. Follow all applicable local, state, and federal guide. DO NOT REUSE EMPTY CONTAINER. Wrap and discard in trash.

Container Disposal: Follow all applicable local, state, and federal guidelines. DO NOT REUSE EMPTY CONTAINER. Wrap and discard in trash.

Section 14. Transport Information

DOT CLASSIFICATION

Consumer Commodity ORM-D (exempt from labeling and shipping paper requirements per CFR 49, Sec 173.150©.

DOT Proper Shipping Name: [Blank]

TDG CLASSIFICATION

TDG Proper Shipping Name: Cleaning, washing, buffing or polishing compounds, Liquid.

Section 15. Regulatory Information

Reporting in this section is based on ingredients disclosed in Section 2.

US Regulations

Federal, State & International Regulations - Part A97
- SARA 302- SARA 313
Ingredient RQ TPQ List Chemical Catg.

Sodium Hydroxide (1310-73-2) No No No No

Federal, State & International Regulations - Part 2
- RCRA- TSCA-
Ingredient CERCLA 261.33 8(d)

Sodium Hydroxide (1310-73-2) 1000 No No

Registered Product Information: Not applicable.

Chemical Inventory Status: All ingredients of this product are listed or are excluded from listing on the US Toxic Substances ACT (TSCA) Chemical Substance Inventory.

Section 16. Other Information

Other Special Considerations: Not Available

Version: 1.01

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