SILVER FERN CHEMICAL

Material Safety Data Sheet
C8-C10 Fatty Alcohol

SECTION 1: IDENTIFICATION

Product Name: C8-C10 Fatty Alcohol Blend
CAS Number: 111-87-5 & 112-30-1 (mixture)
Chemical Name: 1-Octanol & 1-Decanol
Synonyms: Linear Primary Alcohol Mixture

Company
Silver Fern Chemical, Inc.
2226 Queen Anne Avenue North
Suite #C
Seattle WA 98109, USA

Business Contact
Customer Service: 206-282-3376
info@silverfernchemical.com

24 Hour Emergency Contact
Infotrac 800-535-5053
Outside USA & Canada 352-323-3500

SECTION 2: HAZARD IDENTIFICATION

Carcinogenicity: N/A

Toxicity Data: Oral LD50 (Rat) = 28 gms/kg
Dermal LD50 (Rabbit) = 2.0 gms/kg

TLV: 5mg/m³

N.F.P.A.: Health: 2, Fire: 2, Reactivity: 0
(Rating: 4-Extreme, 3-High, 2-Moderate, 1-Slight, 0-Insignificant)

Effects of Overexposure: Irritation to eyes and possibly to skin. Inhalation may be irritating to upper respiratory tract.
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**Avoid ingestion by mouth**: Depression of central nervous system can occur. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea. Aspiration (breathing) into lungs, caused while vomiting, may result in severe injury to lungs.

**SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS**

(Class = H (Hazardous), NH (Non-Hazardous))

<table>
<thead>
<tr>
<th>NAME</th>
<th>CAS NO.</th>
<th>% (by wt.)</th>
<th>TLV</th>
<th>CLASS</th>
</tr>
</thead>
<tbody>
<tr>
<td>1-Octanol</td>
<td>111-87-5</td>
<td>39-47</td>
<td>5mg/m^3</td>
<td>NH</td>
</tr>
<tr>
<td>1-Decanol</td>
<td>112-30-1</td>
<td>51-59</td>
<td>5mg/m^3</td>
<td>NH</td>
</tr>
<tr>
<td>Inerts</td>
<td>N/A</td>
<td>~2</td>
<td></td>
<td>NH</td>
</tr>
</tbody>
</table>

**SECTION 4: FIRST AID MEASURES**

**If Swallowed**: Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person.

**If in Eyes**: Hold eye open and rinse slowly and gently with water for 15 to 20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.

**If on Skin or Clothing**: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15 to 20 minutes.

**If Inhaled**: Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth, if possible.

Call a poison control center or doctor for treatment advice. Have the product container or label with you when calling a poison control center or doctor, or going for treatment. For information on this pesticide product (including health concerns, medical emergencies or pesticide incidents), call the National Pesticide Telecommunications Network at 1-800-858-7378.

**SECTION 5: FIRE FIGHTING MEASURES**

**Flash Point**: >200°F

**Extinguishing Media**: Water spray, CO₂, dry chemical or foam
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Fire Fighting Procedures: Assure self-contained breathing apparatus is worn. Stay upwind.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Steps to be taken in case of material leak or spill
Pick up spills with absorbent clay or material. Place in suitable containers. Prevent runoff from entering waterways. Assure protective clothing is worn.

Waste Disposal Method
Dispose of in accordance with Local, State, and Federal Regulations.

SECTION 7: HANDLING AND STORAGE

Precautions To Be Taken In Handling & Storage
KEEP OUT OF REACH OF CHILDREN. FOLLOW LABEL DIRECTIONS CAREFULLY.
Store in well ventilated area away from heat or flame. Keep away from foodstuff.

Ensure all equipment is electrically grounded before beginning transfer operations.

SECTION 8: EXPOSURE CONTROLS AND PERSONAL PROTECTION

Respiratory Protection: NIOSH approved organic mist respirator where there may be potential for overexposure

Ventilation: General recommended

Protective Gloves: Rubber impervious

Eye Protection: Chemgoggles

Other: Coveralls, long-sleeve shirt, rubber boots

Exposure Guidelines: 1-Octanol – AIHA WEEL (8-hour) 50 ppm (265 mg/m³)

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance/Odor: Colorless liquid, sweet odor

Boiling Point: >200°C; ≥400°F

Specific Gravity: 0.831 g/cm³ @ 16°C
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Vapor Pressure: 68.4 mmHg @ 52°C
% Volatiles: N/A
Vapor Density: 4.5 – 5.5
Solubility in Water: 0.04g/100g
pH: 7-8

SECTION 10: STABILITY AND REACTIVITY

Stability: Stable
Conditions to Avoid: Extreme temperatures and sources of ignition
Incompatibility: Oxidizers, inorganic acids, halogens
Hazardous Decomposition Products: Combustion products include carbon dioxide, carbon monoxide
Hazardous Polymerization: Will not occur

SECTION 11: TOXICOLOGICAL INFORMATION

Remarks: These test results are from material containing approximately 42% octanol and 57% decanol.

Eyes:
Primary irritation index (rabbit): 45.8 (Max. score = 110) at day 3 (unwashed eyes)
Primary irritation index (rabbit): 29.3 (Max. score = 110) at day 2 (washed eyes)
Vascularization of cornea occurred in washed and unwashed eyes.

Skin:
Primary irritation index (rabbit): 4.8 (Max. score = 8.0) at day 3 (unwashed eyes)
Acute dermal LD50 (rabbit): 1,750 – 2,000 mg/kg

Inhalation:
Acute 1 hours (rat): >31 mg/l. All rats survived at indicated concentration.

Ingestion:
Acute oral LD50 (rat): 2,830 mg/kg
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**Carcinogenicity:** This product contains no carcinogenic substances.

**SECTION 12: ECOLOGICAL INFORMATION**

**Aquatic Toxicity:** Toxic to aquatic life

- LC50 (P. Promelas (fathead minnow)) 96 hours 13.4 mg/l
- Test substance: 1-octanol

- LC50 (P. Promelas (fathead minnow)) 96 hours 2.3 mg/l
- Test substance: 1-decanol

**Biodegradation:** Rapidly, readily and extensively biodegradable.

**SECTION 13: DISPOSAL CONSIDERATIONS**

**Waste code:** Any unused product or empty containers may be disposed of as non-hazardous in accordance with state and federal requirements. Re-evaluation of the product may be required by the user at the time of disposal, since the product uses, transformations, mixtures, contamination, and spillage may change the classification. If the resulting material is determined to be hazardous, please dispose in accordance with state and federal (40 CFR 262) hazardous waste regulations. Dispose of only in accordance with local, state and federal regulations.

**Empty containers:** Empty containers retain product residue (liquid and/or vapor) and can be dangerous. DO NOT PRESSURIZE, CUT, WELD, BRAZE, SOLDER, DRILL, GRIND, OR EXPOSE SUCH CONTAINERS TO HEAT, FLAME, SPARKS, STATIC ELECTRICITY, OR OTHER SOURCES OF IGNITION; THEY MAY EXPLODE AND CAUSE INJURY OR DEATH. Empty drums should be completely drained, properly bunged and promptly returned to a drum reconditioner, or properly disposed of.

**SECTION 14: TRANSPORT INFORMATION**

Not regulated.

*This information is not intended to convey all specific regulatory or operational requirements/information relating to this product. It is the responsibility of the transporting organization to follow all applicable laws, regulations and rules relating to the transportation of the material.*

**SECTION 15: REGULATORY INFORMATION**
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TSCA Inventory Listing:

- 1-Octanol    CAS No. 111-87-5
- 1-Decanol    CAS No. 112-30-1

SARA 302: Contains no chemicals subject to SARA 302 reporting.
SARA 313: Contains no chemicals subject to SARA 313 reporting.
CERCLA: Contains no chemicals subject to CERCLA.

International:

- Australia: Listed on the AICS
- Japan: Listed on MITI
- Canada: Listed on DSL
- EU: Listed on EINECS
- Phillipines: Listed on PICCS
- Korea: Listed on the ECL
- China: Listed on the China inventory

State:

- California: Contains no chemical subject to California Prop 65

SECTION 16: OTHER INFORMATION

Date Created: 11/27/07
Date Last Updated: 11/27/07

DISCLAIMER OF RESPONSIBILITY

The information on this MSDS was obtained from sources which we believe are reliable. However, the information is
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