MATERIAL SAFETY DATA SHEET

Emergency Phone Numbers
Florida Chemical: (863) 294-8483
CHEMTREC 24 Hour Number (800) 424-9300
Outside United States: Call CHEMTREC Collect

October 2003

Section I - IDENTIFICATION

Trade Name: Folded Orange Oil – 5-Fold & 10-Fold
CAS Number: 8028-48-6

Section II - HAZARDOUS COMPONENTS

This product contains NO hazardous ingredients.

Hazardous Materials Identification System - HMIS:

1 Health Hazard – Mild skin irritant
2 Flammability - Flashpoint above 100°F
0 Reactivity – Stable
B Protection - Safety glasses & gloves recommended

Section III - PHYSICAL DATA

<table>
<thead>
<tr>
<th></th>
<th>5-Fold Orange Oil</th>
<th>10-Fold Orange Oil</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>Dark orange oil</td>
<td>Dark orange oil</td>
</tr>
<tr>
<td>Odor</td>
<td>Fresh orange aroma</td>
<td>Fresh orange aroma</td>
</tr>
<tr>
<td>Specific Gravity (25°C)</td>
<td>0.860 - 0.870</td>
<td>0.870 – 0.890</td>
</tr>
<tr>
<td>Refractive Index (20°C)</td>
<td>1.4775-1.4785</td>
<td>1.4790-1.4860</td>
</tr>
<tr>
<td>Optical Rotation (25°C)</td>
<td>80.0 – 86.0</td>
<td>64.0 – 78.0</td>
</tr>
<tr>
<td>Aldehyde, % (as decyl)</td>
<td>4.0 min.</td>
<td>7.5 min.</td>
</tr>
<tr>
<td>Flashpoint (cc)</td>
<td>118°F/48°C</td>
<td>120°F/49°C</td>
</tr>
<tr>
<td>Boiling Point</td>
<td>349°F</td>
<td>349°F</td>
</tr>
<tr>
<td>Evaporation Rate</td>
<td>Slow</td>
<td>Slow</td>
</tr>
<tr>
<td>Water Solubility</td>
<td>Insoluble</td>
<td>Insoluble</td>
</tr>
<tr>
<td>Vapor Density</td>
<td>Not Available</td>
<td>Not Available</td>
</tr>
<tr>
<td>Vapor Pressure</td>
<td>Not Available</td>
<td>Not Available</td>
</tr>
<tr>
<td>Percent Volatile by Volume</td>
<td>85%</td>
<td>78%</td>
</tr>
</tbody>
</table>
Section IV - FIRE AND EXPLOSION HAZARD DATA

Flash Point (cc): 118°F – 120°F
Flammable Limits: LEL = Not Available UEL = Not Available
Extinguishing Media: Carbon dioxide, foam or dry chemical
Special Fire Fighting Procedures: SCBA recommended. Smother to exclude air. Do not use water. Handle as an oil fire.
Unusual Fire and Explosive Hazards: Combustible liquid. Keep away from heat, sparks, and open flame.
Incompatibility (Materials to avoid): Strong oxidizing agents.
Hazardous Decomposition Products: Not Available
Hazardous Polymerization: Will not occur
Conditions to Avoid for Polymerization: Not Available
Stability Considerations: Stable
Conditions to Avoid for Stability: Avoid temperatures over 118°F

Section V - HEALTH HAZARD DATA

Health Hazards (Acute and Chronic): Product is a moderate irritant, slight allergen, moderate ingestion and slight inhalation hazard under acute local application. Slight allergen under chronic local application. This Product DOES NOT Contain Carcinogens (NTP, IARC or OSHA)
Signs and Symptoms of Exposure: Product may be irritating to the skin, eyes, nose and throat.
Medical Conditions Generally Aggravated by Exposure: Persons with allergies or pre-existing skin conditions should avoid contact with this product.

Emergency & First Aid Procedures:
Eyes: Remove contact lenses at once. Flush with water for at least 15 minutes. If irritation persists, seek medical attention.
Skin: Wash affected area with copious amounts of soap and water. If irritation develops, seek medical attention.
Ingestion: Seek medical attention immediately. Do not leave victim unattended.
Inhalation: If symptoms of overexposure are experienced, evacuate to fresh air. If symptoms persist, seek medical attention.

Section VI - SPILL OR LEAK PROCEDURES

Steps to be Taken if Material is Released or Spilled: Use protective gloves to avoid skin contact. Small spills can be wiped up. Large spills should be absorbed by dirt, sand, or other suitable absorbents for disposal. Do not hose spills down drains, sewers, or waterways. Folded Orange Oil may be toxic to aquatic organisms. Move leaking containers to well ventilated area. No smoking. Eliminate any source of ignition. Minimize inhalation. Use NIOSH approved respiratory protection device. CAUTION: slippery on floor.

Waste Disposal Method: Incinerate or Dispose in Accordance with Local, State, and Federal Regulations. Taking regulations into consideration, waste may be incinerated or handled through EPA spill control plan via landfill or dilution.

Section VII - SPECIAL PROTECTION INFORMATION

Respiratory Protection: Not normally required. If vapor concentration becomes high, use NIOSH approved respirators.
Ventilation: Local exhaust should be adequate. Mechanical ventilation otherwise recommended if necessary.
MATERIAL SAFETY DATA SHEET (cont.)
Folded Orange Oil

Skin Protection: Oil resistant gloves.
Eye Protection: Oil resistant goggles.
Other Protective Equipment: Oil resistant apron, emergency eye wash and shower stations.
Appropriate Hygienic Practices: Wash thoroughly after handling. Launder contaminated clothing before re-use.

Section VIII - SPECIAL PRECAUTIONS

Precautions to be Taken in Handling and Storing: Usual precautions for combustible liquids.
Handling and Storage Precautions: Store in sprinklered warehouse. Avoid contact with incompatible chemicals listed in Section IV. Store in tightly sealed, full containers at temperatures below 80°F. Partially filled containers should be blanketed with nitrogen.

Section IX – TRANSPORTATION INFORMATION

TDG Status: Hazardous
DOT Label/Placard [exemption § 173.150(f) applies:
IMO Status: Hazardous
Highway/Rail: per requirements for Combustible Liquids
IATA Status: Hazardous
Air/Ship: per requirements for Flammable Liquids

SHIPPING CLASSIFICATION:
Proper Shipping Name: TERPENE HYDROCARBONS, N.O.S.
Hazard Class: 3
Identification No: UN2319
Packing Group: III

The listed transportation classification does not address regulatory variations due to changes in package size, mode of shipment or other regulatory descriptions.

National Fire Protection Association Hazard Rating: 1 Health Hazard - Slight
2 Flammability - Moderate
0 Reactivity - Minimal

The information contained herein is based on current knowledge and experience: no responsibility is accepted that the information is sufficient or correct in all cases. Users should consider these data only as a supplement to other information obtained by the user. No warranty is expressed or implied regarding the accuracy of this data, the results to be obtained from the use thereof, or that any such use will not infringe any patent. Users should make independent determinations of suitability and completeness of information from all sources to assure proper use and disposal of these materials, the safety and health of employees and customers, and the protection of the environment. This information is furnished upon the condition the person receiving it shall determine the suitability for the particular purpose. This MSDS is to be used as a guideline for safe work practices and emergency response.