Material Safety Data Sheet
May be used to comply with OSHA's Hazard Communication Standard, 29 CFR 1910.1200. Standard must be consulted for specific requirements.

IDENTITY (As Used On Label and List) HEMO-DE

Section I
Manufacturer's Name
Scientific Safety Solvents
Address (Number, Street, City, State, and ZIP Code)
2000-H Whitley Road
Keller, Texas 76248

Emergency Telephone Number
(817) 379-7328 or Chemtrec No.: 800-424-9300

Telephone Number for Information
(817) 379-7328 or (817) 379-6212

Date Prepared
2-5-97

Signature of Preparer (optional)

Section II — Hazardous Ingredients/Identity Information
Hazardous Components (Specific Chemical Identity; Common Name(s)) OSHA PEL ACGIH TLV Other Limits Recommended % (optional)

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Does Not Deplete The Ozone Layer.

This Product is NOT Classed or Specified by OSHA's federal Hazard Communication Standard (29 CFR 1910.1200)

Please Read All Information, Front and Back

Contains, d-Limonene: CAS# 5989-27-5 Class 3, UN2319
BHA CAS# 25013-16-5 (less than .024%)

d-Limonene is NOT Considered a Carcinogen by: NTP and IARC Personal Exposure Limit = 400 PPM (Parts Per Million)

Section III — Physical/Chemical Characteristics
Boiling Point (176°C) 349°F
Specific Gravity (H2O = 1) (@ 25°C/25°C) 0.841
Vapor Pressure (mm Hg) 4.7mm
@ 25°C Melting Point N/A
Vapor Density (AIR = 1) 4.69
Evaporation Rate (Butyl Acetate = 1) 1% Maximum SLOW
Solubility in Water Insoluble
Appearance and Odor Clear with citrus odor

Section IV — Fire and Explosion Hazard Data
Flash Point (Method Used) 121°F (TCC)
Flammable Limits @ 302°F LEL 0.7% UEL 6.1%
Extinguishing Media Dry Powder, Foam, Carbon Dioxide
Unusual Fire and Explosion Hazards

SCBA recommended; smother, exclude air, do not use water; handle as an oil fire.

Combustible liquid, keep away from heat, sparks and open flames.

(Reproduce locally)

OSHA 174, Sept. 1985
## Section V — Reactivity Data

<table>
<thead>
<tr>
<th>Stability</th>
<th>Conditions to Avoid</th>
<th>Strong oxidizing agents</th>
</tr>
</thead>
<tbody>
<tr>
<td>Unstable</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Stable</td>
<td></td>
<td>X</td>
</tr>
</tbody>
</table>

**Incompatibility (Materials to Avoid)**

"DO NOT MIX WITH BLEACH." MAY CROSS-REACT WITH TURPENTINE.

**Hazardous Decomposition or Byproducts**

Carbon dioxide or carbon monoxide on combustion

**Hazardous Polymerization**

<table>
<thead>
<tr>
<th>May Occur</th>
<th>Conditions to Avoid</th>
<th>N/A</th>
</tr>
</thead>
<tbody>
<tr>
<td>Will Not Occur</td>
<td></td>
<td>X</td>
</tr>
</tbody>
</table>

## Section VI — Health Hazard Data

**Route(s) of Entry:**

- Inhalation? N/A
- Skin? eye and skin irritant
- Ingestion? N/A

**Health Hazards (Acute and Chronic)**

This product is a mixture for which no health hazard data exists. FDA evaluation was GRAS.

**Carcinogenicity:**

- NTP? N/A
- IARC Monographs? N/A
- OSHA Regulated? N/A

**Hand contact:**

Wash Hands in Soap and Water

This product can cause eye and skin irritation. Harmful if swallowed.

**Medical Conditions:**

Generally Aggravated by Exposure: Inhalation may cause nausea. Skin: Remove contaminated clothing; wash with large amounts of water. Eyes: Remove contact lenses. Flush with water 20-30 minutes.

**Emergency and First Aid Procedures:**

- See Physician. Ingestion: Drink milk or water to dilute substance. See Physician.
- Inhalation: Seek fresh air immediately if breathing is difficult. See Physician.

## Section VII — Precautions for Safe Handling and Use

**Steps to Be Taken in Case Material is Released or Spilled:**

Small spills should be absorbed by dirt, sand or other dry type absorbants. Large spills can be diked with earth, then pumped to tank truck for disposal. Clean area with soapy water. (Also, handle spill through EPA Spill Control Plan if applicable) Do Not Use Bleach.

**Waste Disposal Method:**

Incinerate or dispose of via land-fill and/or dilution and spray field application. Observe local, state and federal regulations.

**Precautions to Be Taken in Handling and Storing:**

Usual precautions for combustible liquids.

Store away from heat, sparks and open flames.

**Other Precautions:**

None, other than those required by your company policy.

## Section VIII — Control Measures

**Respiratory Protection (Specify Type):** Not normally required. If concentration is high due to heat, use a NIOSH approved organic vapor respirator.

<table>
<thead>
<tr>
<th>Respiratory Protection</th>
<th>Local Exhaust</th>
<th>Special</th>
<th>Other</th>
</tr>
</thead>
<tbody>
<tr>
<td>Not normally required</td>
<td></td>
<td>N/A</td>
<td>N/A</td>
</tr>
</tbody>
</table>

**Protective Gloves:**

Rubber gloves suggested

**Eye Protection:**

Safety glasses or goggles as conditions demand

**Other Protective Clothing or Equipment:**

Not normally required

**Work/Hygienic Practices:**

None, other than those required by your company policy.