

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.

U.S. Department of Labor
Occupational Safety and Health Administration
(Non-Mandatory Form)
Form Approved
OMB No. 1218-0072



IDENTITY (As Used on Label and List)

HEMO-DE

Note: Blank spaces are not permitted. If any item is not applicable, or no information is available, the space must be marked to indicate that.

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)

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

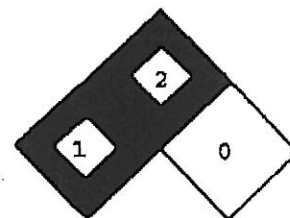
BHA : CAS# 25013-16-5 (less than .024%)

d-Limonene is NOT Considered a Carcinogen by: NTP and IARC

Personal Exposure Limit = 400 PPM (Parts Per Million)

NFPA HAZARD CLASSIFICATIONS

- = Health (1)
- = Flammability (2)
- = Reactivity (0)



Section III — Physical/Chemical Characteristics

Boiling Point	(176°C) 349°F	Specific Gravity (H ₂ O = 1)	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
Solubility in Water	Insoluble		slow

Appearance and Odor

Clear with citrus odor

Section IV — Fire and Explosion Hazard Data

Flash Point (Method Used)	121°F (TCC)	Flammable Limits	LEL	UEL
Extinguishing Media	Dry Powder, Foam, Carbon Dioxide	@ 302°F	0.7%	6.1%

Special Fire Fighting Procedures

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

Unusual Fire and Explosion Hazards

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

(Reproduce locally)

Section V — Reactivity Data

Stability	Unstable		Conditions to Avoid
	Stable	X	Strong oxidizing agents

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	May Occur		Conditions to Avoid
	Will Not Occur	X	N/A

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

Signs and Symptoms of Exposure This product can cause eye and skin irritation. Harmful if swallowed.

The product is designated GRAS by FEMA and approved by the FDA for flavor use in foods.

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 absorbents. 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.

Ventilation normally required	Local Exhaust	Special	N/A
	Mechanical (General) May be necessary in a confined space.	Other	N/A

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.