

MATERIAL SAFETY DATA SHEET

UPDATED MA7 12, 2000

Comply with OSHA'S Hazard Communication Standard, 29 CFR 1910.1200

PRINTED May 12, 2000

HMIS RATING: HEALTH = 2 FLAMMABILITY = 2 REACTIVITY = 0 PROTECTION = A

NFPA RATING: HEALTH = 2 FLAMMABILITY = 2 REACTIVITY = 0

IDENTITY - As used on Label and List

PENETRATING OIL

SECTION I - Contact Information

Hu-Friedy®
3232 N. Rockwell Street
Chicago, Illinois 60618-5982

Emergency Telephone Numbers:
Contact Your Regional Poison Control Center
or 1-800-535-5053 (24 hours)
For Information call 1-773-975-6100

SECTION II - Hazardous Ingredients/Identity Information

Hazardous Components	OSHA PEL	ACGIH TLV	Other Limits	% (optional)
Specific Chemical Identity: CAS Number			Recommended	
Hydrocarbon Solvent, #64741-65-7	100 ppm	100 ppm	--	--
Tripropylene Glycol Methyl Ether, 25496-49-1	N/D	N/D	Dermal L050 Rat > 20ml/kg	

DOT: Combustible liquid, N. O. S. (Petroleum Distillate) , UN 1268, III, Limited Quantity

All Ingredients in this product are on the TSCA list.

This product does not contain any amount of any chemical required to be reported uner SARA 313

SECTION III - Physical/Chemical Characteristics

Boiling Point: 323-393 F
Vapor Pressure (mm Hg.): < 5 at 100°F
Vapor Density (AIR = 1): N/D
Solubility in Water: Negligible
Appearance and Odor: Clear liquid with hydrocarbon odor

Specific Gravity (H₂O = 1): 0.75-0.80
Melting Point: N/A
Evaporation Rate (Butyl Acetate = 1): <1.0

SECTION IV - Fire and Explosion Hazard Data

Flash Point (Method Used): 128F TCC
Flammable Limits: LEL: 1% UEL: 7%
Extinguishing Media: Water fog, foam, dry chemical or carbon dioxide.
Special Fire Fighting Procedures: Do not use direct water-stream. Use self-contained NIOSH approved breathing apparatus with full face piece, operated in a pressure demand or other positive mode.
Unusual fire and Explosion Hazards: None.

SECTION V - Reactivity Data

Stability: Stable
Incompatibility (Materials to Avoid): Strong oxidizing agents.
Hazardous Decomposition or By-products: Carbon monoxide and carbon dioxide upon combustion.
Hazardous Polymerization: Will not occur.
Conditions to Avoid: Heat and open flame.

SECTION VI - Health Hazard Data

Route(s) of Entry:
Inhalation: Yes **Skin:** Yes **Ingestion:** Yes
Health Hazards (Acute and Chronic):
Inhalation: None expected under normal use conditions. High vapor concentration may result in central nervous system (CNS) depression
Eyes: Contact may cause mild irritation

Skin: Slightly to moderately irritating.
Ingestion: May produce Gastric upset

Carcinogenicity: NTP: N/A **IARC Monographs:** N/A **OSHA Regulated:** N/A

Signs and Symptoms of Exposure:

Inhalation: Giddiness, headache and/or dizziness
Eyes: Mild irritation and/or redness
Skin: Irritation and/or redness
Ingestion: Giddiness, headache, dizziness or nausea.

Emergency and First Aid Procedures:

Inhalation: Remove to fresh air. If person is having difficulty breathing, give oxygen and call a physician immediately.
Eyes: Rinse with water for at least 15 minutes. If irritation persists, seek medical attention immediately.
Skin: Wash with soap and water. If irritation persists, seek medical attention.
Ingestion: Do not induce vomiting. Call a physician immediately. If vomiting occurs spontaneously, keep head below hips to prevent aspiration of liquid into the lungs.

SECTION VII - Precautions for Safe Handling and Use

Steps to Be Taken in Case Material is Released or Spilled: Soak up with absorbent. Flush area with soap and water.

Waste Disposal Method: Dispose of in accordance with all applicable local, state and federal regulations

Precautions to Be Taken in Handling and Storing: Avoid heat or open flame. Provide adequate ventilation.

Other Precautions: None

SECTION VIII - Control Measures

Respiratory Protection (Specific Type): Not necessary under normal use conditions.

Ventilation: Local Exhaust: Yes	Mechanical (General): Yes
Special: None	Other: None

Protective Gloves: Not normally required

Eye Protection: Safety glasses.

Other Protective Clothing or Equipment: None

Work/Hygienic Practices: None

Note: N/A or N/D as an information entry means the data is not applicable or determined, respectively.