

PRODUCT CODE: IPS

**MATERIAL SAFETY DATA SHEET**

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

UPDATED: MAY 12, 2000

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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 Recommended	% (optional)
Specific Chemical Identity: CAS Number				
Hydrocarbon Solvent, #64741-65-7	100ppm	100ppm	-	-
Tripropylene Glycol Methyl Ether, 25498-49-1	N/D	N/D	Dermal LD50 Rat > 20 ml/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 under SARA 313.

**SECTION III - Physical/Chemical Characteristics**

Boiling Point: 323-393 F	Specific Gravity (H <sub>2</sub> O = 1): 0.75-0.80
Vapor Pressure (mm Hg.): < 5 at 100°F	Melting Point: N/A
Vapor Density (AIR = 1): N/D	Evaporation Rate (Butyl Acetate = 1): <1.0
Solubility in Water: Negligible	
Appearance and Odor: Clear liquid with hydrocarbon odor.	

**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

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**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.

**Medical Conditions Generally Aggravated by Exposure:** Pre-existing eye and skin disorders may be aggravated by exposure to this product.

**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.

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**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

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**SECTION VIII - Control Measures**

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

**Ventilation:** Local Exhaust: Yes  
Special: None

**Mechanical (General):** Yes  
**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 ND as an information entry means the data is not applicable or determined, respectively.