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MATERIAL SAFETY DATA SHEET

PRODUCT NAME: H-D Plus® Ultra-Gard Vacuum Pump Oil
IDENTIFICATION NUMBER: PP310, PP370, P10

Supplier Information:

Moraine Liquid Technologies, Ltd
1212 W. Second Street
Oconomowoc, WI 53066

Manufacturers Information:

Moraine Liquid Technologies, Ltd
1212 W. Second Street
Oconomowoc, WI 53066

Emergency Telephone: 1 800 851 0403

Prepared by: Steve Zimmerman Phone: 262 567 7523 Prepare Date: 8/16/2001

NFPA CODE: HEALTH: 0 FIRE: 1 REACTIVITY: 0

CHEMICAL IDENTITY: Petroleum Lubricating Mineral Oil
CAS #64742-65-0 - Range % 95-99.00

SECTION 1 -- HAZARDOUS INGREDIENTS

HAZARDOUS INGREDIENTS: This material does not contain any chemical listed as a carcinogen or potential carcinogen by OSHA, IARC Monographs or National Toxicology Program.

SECTION 2 -- FIRE AND EXPLOSION HAZARDS

FLASH POINT: 415°-435° F LOWER FLAMMABLE LIMIT: Not Determined
UPPER FLAMMABLE LIMIT: Not Determined

EXTINGUISHING MEDIA: CO2, Dry Chemical, Foam, Water spray; Water fog.

SPECIAL FIRE FIGHTING PROCEDURES: Wear self-contained breathing apparatus with a full face piece.

UNUSUAL FIRE & EXPLOSION HAZARDS: None.

SECTION 3 -- HEALTH HAZARD DATA

ORAL TOXICITY: Greater than 5000 mg/kg in rats. Based on data from components.

EYE IRRITATION: Not expected to cause eye irritation. Based on data from components.

SKIN IRRITATION: Not expected to cause skin irritation. Based on data from components.

OTHER: Unknown.

TLV: None established. Oil mist = 5 mg/cu meter.

PRIMARY ROUTES OF ENTRY: Skin Contact, Skin absorption, Inhalation, Ingestion, Eye Contact.

Vacuum Pump Oil

SECTION 3 -- HEALTH HAZARD DATA****EMERGENCY FIRST AID PROCEDURES****

SKIN: Wash with soap and water.

EYES: Flush eyes with water for 15 minutes.

INHALATION: Remove to fresh air. See physician if irritation persists.

ORAL: Call a physician. Do NOT induce vomiting.

SECTION 4 -- SPECIAL PROTECTION INFORMATION

VENTILATION PROCEDURE: Mechanical ventilation recommended.

EYE PROTECTION: Safety glasses.

GLOVES PROTECTION: Neoprene or nitrile rubber gloves recommended.

SECTION 5 -- PHYSICAL DATA

VAPOR PRESSURE: < 0.1mm Hg @ 20 degrees C

SPECIFIC GRAVITY: .875 approx.

PERCENT VOLATILE: Not Determined

EVAPORATION RATE: Not Determined

APPEARANCE: Amber liquid

pH: Not Determined

WATER SOLUBILITY: Insoluble

VAPOR DENSITY: Not Determined

ODOR: Mild

SECTION 6 -- STABILITY

STABILITY: Stable

INCOMPATIBILITY: Oxidizing agents.

POLYMERIZATION: Will not occur.

THERMAL DECOMPOSITION: Oxides of carbon.

SECTION 7 -- SPILL OR LEAK PROCEDURES

SPILL PROCEDURES: Prevent entry into sewers and waterways. Pick up free liquid for recycle/disposal. Absorb small amounts of inert material for disposal.

WASTE DISPOSAL: If disposed of, this material is believed to be non-hazardous. Disposal should be in compliance with federal, state, and local laws.

SECTION 8-- SPECIAL PRECAUTIONS

SPECIAL PRECAUTIONS: Remove contaminated clothing and launder before use.

SECTION 9 -- TRANSPORTATION AND LABELING

DOT PROPER SHIPPING NAME: N.A.
DOT ID NUMBER: None
EPA HAZARDOUS SUBSTANCES: None
PRECAUTIONARY LABELS: None
DOT HAZARD CLASS: N.A.
IMO CLASS: None
ICAO CLASS: None

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