

MATERIAL SAFETY DATA SHEET
HV100 Mechanical Pump Fluid**HMIS RATING**

Health: 1 Flammability: 1 Reactivity: 0 Special: X

SECTION 1 – LOCATIONLocation: 73 Steamwhistle Drive
Ivyland, PA 18974-1451
Telephone: 215-355-3995 Fax: 215-355-3994
Date Prepared: January 7, 2004**SECTION II – HAZARDOUS INGREDIENTS / IDENTITY**

Hazardous Component(s) Chemical and Common Name(s) ...Severely Hydro treated Paraffinic oil

Exposure LimitCAS No. 64742-54-7 100% 5mg/m³ Oil Mist

To the best of our knowledge, the above listed component(s) is not hazardous according to OSHA (1910.1200) or one or more State Right-to-Know lists.

SECTION III – PHYSICAL & CHEMICAL CHARACTERISTICSAppearance and Odor: Amber in Color; mild odor
Specific Gravity @ 22 °C: .88
Vapor Pressure @ 25 °C: 3 x 10⁻⁴ Torr
Vapor Density (Air = 1): Not Applicable
Solubility in Water: Insoluble
Reactivity in Water: Not Applicable
Melting Point: Not Applicable**SECTION IV – FIRE & EXPLOSION DATA**Flash Point: 515° (F) 270° (C) Method Used: C.O.C.
Flammable Limits (%): No Data Available
Extinguishing Media: CO₂, Dry Chemical, Foam and Water FogSpecial Fire Fighting Procedures: For fires involving this material, do not enter any enclosed or confined fire space without proper protective equipment. This may include self-contained breathing apparatus to protect against the hazardous effects of normal products of combustion and oxygen deficiency.Unusual Fire and Explosion Hazards: Normal combustion forms Carbon Dioxide and water vapor. Incomplete combustion can produce Carbon Monoxide.**CAUTION: DO NOT USE PRESSURE TO EMPTY CONTAINER OR EXPLOSION MAY RESULT.**

THE INFORMATION HEREIN IS GIVEN IN GOOD FAITH, BUT NO WARRANTY, EXPRESS OR IMPLIED, IS MADE.

MATERIAL SAFETY DATA SHEET HV-100 Mechanical Pump Fluid (cont'd)

SECTION V – PHYSICAL HAZARDS (REACTIVITY DATA)

Stability:	Product is stable under normal conditions.
Conditions to Avoid:	Excessive Heat.
Hazardous Polymerization:	Will not occur.
Incompatibility (Materials to Avoid):	May react with strong oxidizing agents such as Chlorates, Nitrates, Peroxides, etc.
Hazardous Decomposition Products:	Excessive heat may produce Carbon Monoxide, Carbon Dioxide, Aldehydes, and Ketones, combustion products of Nitrogen and Sulfur.

SECTION VI-HEALTH HAZARDS

Eyes:	This substance is not expected to cause prolonged or significant eye irritation. This hazard evaluation is based on data from similar materials.
Skin:	This substance is not expected to cause prolonged or significant skin irritation. This hazard evaluation is based on data from similar materials.
Inhalation:	If inhaled, this substance is considered practically non-toxic to organs. This hazard evaluation is based on data from similar materials.
Ingestion:	If swallowed, this substance is considered practically non-toxic to internal organs. This hazard evaluation is based on data from similar materials.

Chemical Listed as Carcinogen or Potential Carcinogen:

IARC Monographs: No

OSHA: NO

National Toxicology Programs: No

Routes of Entry

Inhalation:	This material is not expected to be an immediate inhalation problem. Remove to fresh air. Obtain medical assistance if difficult breathing.
Eyes:	Flush eyes with fresh water for 15 minutes. Remove contact lenses if worn. No first aid procedures are required.
Skin:	No first aid procedures are required. As a precaution, wash skin thoroughly with soap and water. Remove and wash contaminated clothing.
Ingestion:	No adverse effects are expected. If more than several mouthfuls are swallowed, abdominal discomfort, nausea, and diarrhea may occur. Consult Medical personnel before inducing vomiting.

SECTION VII – SPECIAL PRECAUTIONS AND SPILL / LEAK PROCEDURES

Precautions to be taken in Handling and Storage: Minimum feasible handling temperatures should be maintained. Periods of exposure to high temperature should be minimized. Water contamination should be avoided.

Steps to be taken in Case of Release or Spill: Ventilate area. Avoid breathing vapor. Use self-contained breathing apparatus or supplied air for large spills or confined areas. Contain spill if possible. Wipe up or absorb on suitable material and shovel up. Prevent entry into sewers and waterways.

THE INFORMATION HEREIN IS GIVEN IN GOOD FAITH, BUT NO WARRANTY, EXPRESS OR IMPLIED, IS MADE.

MATERIAL SAFETY DATA SHEET

HV-100 Mechanical Pump Fluid

SECTION VII – SPECIAL PRECAUTIONS AND SPILL / LEAK PROCEDURES (CONT'D.)

Respiratory Protection: None required if exposures are within permissible concentrations of 5.0 mg/m³ of air for mineral oil mist averaged over an 8-hour daily exposure (ACGIH 1984-85).

Ventilation: Normal

Protective Gloves: Impervious gloves when prolonged contact cannot be avoided.

Eye Protection: Chemical type goggles / face shield.

Other Protective Equipment: None considered necessary at this time.

Work / Hygienic Practices: Employee should exercise reasonable personal cleanliness.

Information given herein is offered in good faith as accurate, but without guarantee. Conditions of use and suitability of the product for particular uses are beyond our control; all risks of use of the product are therefore assumed by the user and we expressly disclaim all warranties of every kind and nature, including warranties of merchantability and fitness for a particular purpose in respect to the use or suitability of the product. Nothing is intended as a recommendation for uses, which infringe valid patents, or as extending license under valid patents. Appropriate warnings and safe handling procedures should be provided to handlers and users.

ATTENTION: Misuse of empty containers can be hazardous. Empty containers can be hazardous if used to store toxic, flammable, or reactive materials. Cutting or welding of empty containers might cause fires, explosion or toxic fumes from residues. Do not pressure or expose to open flame or heat. Keep container closed and drum bungs in place.

REGULATORY INFORMATION:

D.O.T. SHIPPING NAME:	NOT APPLICABLE
D.O.T. SHIPPING CLASS:	NOT APPLICABLE
D.O.T. IDENTIFICATION NUMBER:	NOT APPLICABLE

THE INFORMATION HEREIN IS GIVEN IN GOOD FAITH, BUT NO WARRANTY, EXPRESS OR IMPLIED, IS MADE.