MATERIAL SAFETY DATA SHEET

This MSDS complies with OSHA'S Hazard Communication Standard 29 CFR 1910.1200 and OSHA Form 174

IDENTITY AND MANUFACTURER'S INFORMATION

NFPA Rating: Health-1; Flammability-1; Reactivity-0; Special- -	**HMIS Rating:** Health-1; Flammability-1; Reactivity-0; Personal Protection-B
Manufacturer's Name: **H & B Industries, Inc.** Address: 9758 Abernathy Ave. Dallas, TX 75220	**DOT Hazard Classification:** Non-Hazardous **Identity** (trade name as used on label): **HB-1151 VACUUM PUMP OIL**
Date Prepared: 02/05/2005 Prepared By: ED	**MSDS Number: HB1151 MSDS** Revision - 3
Information Calls: (800) 466-0855 **EMERGENCY RESPONSE NUMBER: 1(800)535-5350**	NOTICE: JUDGEMENT BASED ON INDIRECT TEST DATA

SECTION 1 - MATERIAL IDENTIFICATION AND INFORMATION

COMPONENTS-CHEMICAL NAMES AND COMMON NAMES (Hazardous Components 1% or greater; Carcinogens 0.1% or greater)	CAS Number	SARA III LIST	OSHA PEL (ppm)	ACGIH TLV (ppm)	Carcinogen Ref. Source **
PETROLEUM OIL MIXTURE	8002-05-9	No	5mg/M3	5mg/M3	d
			TWA for oil mist	TWA for oil mist	

SECTION 2 - PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point: >450°F	**Specific Gravity** (H2O=1): 0.88
Vapor Pressure: PSIG @ 70°F (Aerosols): N/A	**Vapor Pressure** (Non-Aerosols)(mm Hg and Temperature): <0.01
Vapor Density (Air = 1): 12	**Evaporation Rate (** BUAC = 1): <0.01
Solubility in Water: Negligible	**Water Reactive:** No

Appearance and Odor: Green with petroleum odor.

SECTION 3 - FIRE AND EXPLOSION HAZARD DATA

FLAMMABILITY as per USA FLAME PROJECTION TEST (aerosols) N/A	Auto Ignition Temperature N/A	Flammability Limits in Air by % in Volume: % LEL: N/D % UEL: N/D

FLASH POINT AND METHOD USED (non-aerosols): >400°F COC **SPECIAL FIRE FIGHTING PROCEDURES:** Self-contained breathing apparatus.	**EXTINGUISHER MEDIA:** Dry	(preferred), carbon dioxide, foam, water.

Unusual Fire & Explosion Hazards: Slight when exposed to heat or flame. Combustible at high temperatures.

SECTION 4 - REACTIVITY HAZARD DATA

STABILITY [X] STABLE [ ] UNSTABLE	**HAZARDOUS POLYMERIZATION [ ]** WILL [X] WILL NOT OCCUR
Incompatibility (Mat. to avoid): Chlorine or oxygen.	**Conditions to Avoid:** Oxidizing atmospheres.

Hazardous Decomposition Products: Oxides of carbon.

SECTION 5 - HEALTH HAZARD DATA

PRIMARY ROUTES OF ENTRY: **[ ]** INHALATION [ ] INGESTION [X] SKIN ABSORPTION [ ] EYE [ ] NOT HAZARDOUS

ACUTE EFFECTS:

Inhalation: May cause respiratory tract irritation.

Eye Contact: May cause irritation. **Skin Contact:** May cause irritation.

Ingestion: May cause vomiting, nausea, diarrhea.

CHRONIC EFFECTS: None noted.

Medical Conditions Generally Aggravated by Exposure: None noted.

EMERGENCY FIRST AID PROCEDURES

Eye Contact: Wash with large amounts of water. If irritation persists, call a physician.

Skin Contact: Remove contaminated clothing. Wash with soap and water.

Inhalation: Remove to fresh air.

Ingestion: DO NOT INDUCE VOMITING. Give 3-4 glasses of water. Seek medical attention.

SECTION 6 - CONTROL AND PROTECTIVE MEASURES

Respiratory Protection (specify type): None required.

Protective Gloves: Neoprene or plastic. **Eye Protection:** Splash goggles or safety glasses.

Ventilation Requirements: None required in excess to normal ventilation.

Other Protective Clothing & Equipment: Oil resistant apron.

Hygienic Work Practices: Do not work in oil soaked clothing. Wash after handling.

SECTION 7 - PRECAUTIONS FOR SAFE HANDLING AND USE

Steps To Be Taken If Material Is Spilled Or Released: Stop flow, dike spill, eliminate all ignition sources, absorb on inert material and scrape up.

Waste Disposal Methods: Dispose of in accordance with local, state and federal regulations.

Precautions To Be Taken In Handling & Storage: Avoid prolonged exposure to mist and vapors. Avoid flames, sparks and hot surfaces. Keep containers closed. Shelf life one year.

Other Precautions &/or Special Hazards: KEEP OUT OF REACH OF CHILDREN. Empty containers may contain explosive gas.

We believe the statements, technical information and recommendations contained herein are reliable, but they are given without warranty or guarantee of any kind.

** Chemical Listed as Carcinogen or Potential Carcinogen. [a] NTP [b] IARC Monograph [c] OSHA [d] Not Listed [e] Animal Data Only