

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 - Manufacturer's Name: H & B Industries, Inc. Address: 9758 Abernathy Ave. Dallas, TX 75220	HMIS Rating: Health-1; Flammability-1; Reactivity-0; Personal Protection-B 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 Information Calls: (800) 466-0855 EMERGENCY RESPONSE NUMBER: 1(800)535-5350	MSDS Number: HB1151 MSDS Revision - 3 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 TWA for oil mist	5mg/M3 TWA for oil mist	d

SECTION 2 - PHYSICAL/CHEMICAL CHARACTERISTICS	
Boiling Point: >450°F	Specific Gravity (H ₂ O=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		EXTINGUISHER MEDIA: Dry (preferred), carbon dioxide, foam, water.
SPECIAL FIRE FIGHTING PROCEDURES: Self-contained breathing apparatus.		
Unusual Fire & Explosion Hazards: Slight when exposed to heat or flame. Combustible at high temperatures.		

SECTION 4 - REACTIVITY HAZARD DATA	
STABILITY <input checked="" type="checkbox"/> STABLE <input type="checkbox"/> UNSTABLE	HAZARDOUS POLYMERIZATION <input type="checkbox"/> WILL <input checked="" type="checkbox"/> 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: <input type="checkbox"/> INHALATION <input type="checkbox"/> INGESTION <input checked="" type="checkbox"/> SKIN ABSORPTION <input type="checkbox"/> EYE <input type="checkbox"/> 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.	Eye Protection: Splash goggles or safety glasses.
Protective Gloves: Neoprene or plastic.	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