

# MATERIAL SAFETY DATA SHEET

This MSDS complies with OSHA<sup>®</sup> Hazard Communication Standard 29 CFR 1910.1200 and OSHA Form 174

IDENTITY AND MANUFACTURERS		INFORMATION	
<b>NFPA Rating:</b> Health-1; Flammability-1; Reactivity-0; Special- -		<b>HMIS Rating:</b> Health-1; Flammability-1; Reactivity-0; Personal Protection-B	
<b>Manufacturer's Name:</b> H & B Industries, Inc. Address: 9758 Abernathy Ave. Dallas, TX 75220		<b>DOT</b>	<b>Hazard Classification:</b> Non-Hazardous <b>Identity</b> (trade name as used on label): <b>HB-1157J ASHLESS Hydraulic Oil</b>
<b>Date Prepared:</b> 02/05/2005 <b>Prepared By:</b> ED Information Calls: (800) 466-0855		<b>MSD</b>	<b>Number:</b> HB1157J <b>Revision - 3</b> NOTICE: JUDGEMENT BASED ON INDIRECT TEST DATA
<b>EMERGENCY RESPONSE NUMBER: 1(800)535-5350</b>			

## 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 **
<b>PETROLEUM OIL MIXTURE</b>	8002-05-9	No	5mg/M3 TWA for oil mist	5mg/M3 TWA for oil mist	d

## SECTION 2 - PHYSICAL/CHEMICAL CHARACTERISTICS

<b>Boiling Point:</b> >450°F	<b>Specific Gravity</b> (H <sub>2</sub> O=1): 0.88
<b>Vapor Pressure:</b> PSIG @ 70°F (Aerosols): N/A	<b>Vapor Pressure</b> (Non-Aerosols)(mm Hg and Temperature): <0.01
<b>Vapor Density</b> (Air = 1): 12	<b>Evaporation Rate</b> ( BUAC = 1): <0.01
<b>Solubility in Water:</b> Negligible	<b>Water Reactive:</b> No
<b>Appearance and Odor:</b> Amber with petroleum odor.	

## SECTION 3 - FIRE AND EXPLOSION HAZARD DATA

<b>FLAMMABILITY</b> as per USA FLAME PROJECTION TEST (aerosols) N/A	<b>Auto Ignition Temperature</b> N/A	<b>Flammability Limits in Air by % in Volume:</b>		
<b>FLASH POINT AND METHOD USED</b> (non-aerosols): >400°F COC	breathing apparatus.	<b>EXTINGUISHER</b>	% UEL: N/D (preferred), carbon dioxide,	foam, water.
<b>SPECIAL FIRE FIGHTING PROCEDURES:</b> Self-contained.	chemical	% LEL: N/D		
<b>Unusual Fire &amp; Explosion Hazards:</b> Slight when exposed to heat or flame. Combustible at high temperatures.				

## SECTION 4 - REACTIVITY HAZARD DATA

<b>STABILITY</b> [ X ] STABLE [ ] UNSTABLE	<b>HAZARDOUS POLYMERIZATION</b> [ ] WILL [ X ] WILL NOT OCCUR
<b>Incompatibility</b> (Mat. to avoid): Chlorine or oxygen.	<b>Conditions to Avoid:</b> Oxidizing atmospheres.
<b>Hazardous Decomposition Products:</b> Oxides of carbon.	

## SECTION 5 - HEALTH HAZARD DATA

<b>PRIMARY ROUTES OF ENTRY:</b>	[ ] INHALATION [ ] INGESTION [ X ] SKIN ABSORPTION [ ] EYE [ ] NOT HAZARDOUS
<b>ACUTE EFFECTS:</b>	
<b>Inhalation:</b> May cause respiratory tract irritation.	<b>Skin Contact:</b> May cause irritation.
<b>Eye Contact:</b> May cause irritation.	<b>Ingestion:</b> May cause vomiting, nausea, diarrhea.
<b>CHRONIC EFFECTS:</b> None noted.	
<b>Medical Conditions Generally Aggravated by Exposure:</b> None noted.	

## EMERGENCY FIRST AID PROCEDURES

<b>Eye Contact:</b> Wash with large amounts of water. If irritation persists, call a physician.
<b>Skin Contact:</b> Remove contaminated clothing. Wash with soap and water.
<b>Inhalation:</b> Remove to fresh air.
<b>Ingestion:</b> DO NOT INDUCE VOMITING. Give 3-4 glasses of water. Seek medical attention.

## SECTION 6 - CONTROL AND PROTECTIVE MEASURES

<b>Respiratory Protection (specify type):</b> None required.	<b>Eye Protection:</b> Splash goggles or safety glasses.
<b>Protective Gloves:</b> Neoprene or plastic.	<b>Ventilation Requirements:</b> None required in excess to normal ventilation.
<b>Other Protective Clothing &amp; Equipment:</b> Oil resistant apron.	<b>Hygienic Work Practices:</b> Do not work in oil soaked clothing. Wash after handling.

## SECTION 7 - PRECAUTIONS FOR SAFE HANDLING AND USE

<b>Steps To Be Taken If Material Is Spilled Or Released:</b> Stop flow, dike spill, eliminate all ignition sources, absorb on inert material and scrape up.
<b>Waste Disposal Methods:</b> Dispose of in accordance with local, state and federal regulations.
<b>Precautions To Be Taken In Handling &amp; Storage:</b> Avoid prolonged exposure to mist and vapors. Avoid flames, sparks and hot surfaces. Keep containers closed. Shelf life one year.
<b>Other Precautions &amp;/or Special Hazards:</b> 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