

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-1170 TURBINE OIL			
Date Prepared: 02/05/2005 Prepared By: ED Information Calls: (800) 466-0855 EMERGENCY RESPONSE NUMBER: 1(800)535-5350			MSDS Number: HB1170 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	5mg/M3	d
				TWA for oil mist	TWA for oil mist	
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		Auto Ignition Temperature		Flammability Limits in Air by % in Volume:		
PROJECTION TEST (aerosols) N/A		N/A		% 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.						
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