

# 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						
<b>NFPA Rating:</b> Health-2; Flammability-3; Reactivity-0; Special- -			<b>HMS Rating:</b> Health-2; Flammability-3; Reactivity-0; Personal Protection-B			
Manufacturer's Name: H & B Industries, Inc. Address: 9758 Abernathy Ave. Address: Dallas, TX 75220			<b>DOT Hazard Classification:</b> <b>Flammable UN1090</b> <b>Identity</b> (trade name as used on label): <b>HB-1350 METAL CLEANER</b>			
Prepared: 02/05/05		Prepared By: ED		MSDS Number: <b>HB-1350</b> Revision - 3		
Information Calls: (800) 466-0855 <b>EMERGENCY RESPONSE NUMBER: (800) 535-5053</b>			NOTICE: JUDGMENT 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 **
Acetone		67-64-1	No	1000	750	d
VM & P		8032-32-4	No	300	300	
SECTION 2 - PHYSICAL/CHEMICAL CHARACTERISTICS						
<b>Boiling Point:</b> 130 F+			<b>Specific Gravity</b> (H <sub>2</sub> O=1): 0.77			
<b>Vapor Pressure:</b> PSIG @ 70°F (Aerosols): N/A			<b>Vapor Pressure</b> (Non-Aerosols)(mm Hg and Temperature): 78.2			
<b>Vapor Density</b> (Air = 1): > 1.0			<b>Evaporation Rate</b> ( = 1): N/D			
<b>Solubility in Water:</b> 20.80 %			<b>Water Reactive:</b> No			
<b>Appearance and Odor:</b> Clear liquid with characteristic solvent odor.						
SECTION 3 - FIRE AND EXPLOSION HAZARD DATA						
<b>FLAMMABILITY</b> as per USA FLAME PROJECTION TEST (aerosols) N/A		Auto Ignition	Temperature N/D	Flammability Limits in Air by % in Volume: % LEL: 1.7 % UEL: NA		
<b>FLASH POINT AND METHOD USED</b> (non-aerosols): 10 F PMCC		with out	<b>SPECIAL FIRE FIGHTING PROCEDURES:</b> proper protective equipment including		Do not enter confined fire space NIOSH approved self-contained containers, surrounding equipment &	
<b>EXTINGUISHER MEDIA:</b> Water spray or fog, foam, dry chemical or CO <sub>2</sub> . Do not use direct water stream.						
<b>Unusual Fire &amp; Explosion Hazards:</b> None known.						
SECTION 4 - REACTIVITY HAZARD DATA						
<b>STABILITY</b> <input checked="" type="checkbox"/> STABLE <input type="checkbox"/> UNSTABLE			<b>HAZARDOUS POLYMERIZATION</b> <input type="checkbox"/> WILL <input checked="" type="checkbox"/> WILL NOT OCCUR			
<b>Incompatibility</b> (Mat. to avoid): Oxidizing materials.			<b>Conditions to Avoid:</b> Heat, sparks, open flame.			
<b>Hazardous Decomposition Products:</b> Oxides of carbon & unidentified organic compounds may be formed during combustion.						
SECTION 5 - HEALTH HAZARD DATA						
<b>PRIMARY ROUTES OF ENTRY:</b> <input type="checkbox"/> INHALATION <input type="checkbox"/> INGESTION <input checked="" type="checkbox"/> SKIN ABSORPTION <input type="checkbox"/> EYE <input type="checkbox"/> NOT HAZARDOUS						
<b>ACUTE EFFECTS:</b> Toxicity: CNS depression producing headache, dizziness, nausea and loss of consciousness.						
<b>Inhalation:</b> High concentrations or prolonged exposure to lower concentrations may be slightly irritating to mucous membranes.						
<b>Eye Contact:</b> Slight irritation from short term contact. Prolonged & repeated contact more irritating.			<b>Skin Contact:</b> Prolonged & repeated liquid contact may result in irritation and dermatitis.			
<b>Ingestion:</b> May result in vomiting. Aspiration of vomitus into lungs must be avoided as lung contact can result in chemical pneumonitis and pulmonary edema.						
<b>CHRONIC EFFECTS:</b> None known.						
<b>Medical Conditions Generally Aggravated by Exposure:</b> Pre-existing irritation of skin or mucous membranes.						
EMERGENCY FIRST AID PROCEDURES						
<b>Eye Contact:</b> Flush with water for 15 minutes. If irritation persists, get medical attention.						
<b>Skin Contact:</b> Wash with soap and water. If irritation persists, get medical attention.						
<b>Inhalation:</b> Remove to fresh air. Provide oxygen if breathing is difficult. Get medical attention.						
<b>Ingestion:</b> <b>DO NOT INDUCE VOMITING.</b> Drink 3 to 4 glasses of water. Get immediate medical attention.						
SECTION 6 - CONTROL AND PROTECTIVE MEASURES						
<b>Respiratory Protection (specify type):</b> As required to prevent overexposure. NIOSH approved air purifying respirator for organic vapors or atmosphere-supplying respirator.						
<b>Protective Gloves:</b> As required to minimize skin contact.			<b>Eye Protection:</b> Safety glasses or goggles.			
<b>Ventilation Requirements:</b> Explosion proof ventilation as required to control vapor concentrations.						
<b>Other Protective Clothing &amp; Equipment:</b> Clothing as required to minimize skin contact. Eyewash station and safety shower.						
<b>Hygienic Work Practices:</b> Do not eat, drink or smoke in work area. Wash hands after handling.						
SECTION 7 - PRECAUTIONS FOR SAFE HANDLING AND USE						
<b>Steps To Be Taken If Material Is Spilled Or Released:</b> Contain spill. Keep out of surface waters & any sewers or water courses entering or leading to surface waters. Soak up with inert absorbent & place in properly labeled leak-proof containers for disposal.						
<b>Waste Disposal Methods:</b> Dispose of in accordance with all local, state and federal regulations.						
<b>Precautions To Be Taken In Handling &amp; Storage:</b> Store in original shipping containers away from heat, open flame & oxidizing materials. Keep closed when not in use. Shelf life 1 year.						
<b>Other Precautions &amp;/or Special Hazards:</b> <b>KEEP OUT OF REACH OF CHILDREN.</b> Read & follow label directions.						

*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