

MATERIAL SAFETY DATA SHEET (SUBSTITUTES FOR OSHA FORM 174): May be used to comply with OSHA's Hazard Communication Standard, 29 CFR 1910.1200.

PRODUCT NUMBER: HB-123
IDENTITY: OPEN UP

Revision Date: 02/05/05

Section I

Manufacturer's Name: H&B Industries, Inc. Telephone Numbers:
Address: 9758 Abernathy Ave. Emergency:
Dallas, TX 75220 800/535/5053
Information:
800/466/0855

HMIS CODES: REACTIVITY: 2 FLAMMABILITY: 0 HEALTH: 3 PERSONAL PROTECT: C

Section II: HAZARDOUS INGREDIENTS/IDENTITY INFORMATION (All of the ingredients contained in this product are listed on the TSCA inventory.)

Name	Cas No.	OSHA PEL	ACGIH TLV	OTHER LIM	â
Comment :					
THIS PRODUCT CONTAINS THE TOXIC CHEMICALS MARKED WITH AN * SUBJECT TO THE REPORTING REQUIREMENTS OF SECTION 313 OF THE EMERGENCY PLANNING AND COMMUNITY					
SODIUM HYDROXIDE	*	1310-73-2	2 MG/M3	2 MG/M3	N/A

RIGHT-TO-KNOW ACT OF 1986 AND OF 40CFR372.

Section III: PHYSICAL/CHEMICAL CHARACTERISTICS
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Boiling Point:	288	Specific Gravity (water=1)	1.53
Vapor Pressure (mm Hg)	1	Melting Point:	N/A
Vapor Density (AIR=1)	N/A	Evaporation Rate:	N/A
Solubility in Water:	100â	(Butyl Acetate=1)	
Appearance and Odor:	WATER WHITE TO SLIGHTLY TURBID LIQUID, NO ODOR		

Section IV: FIRE AND EXPLOSION HAZARD DATA
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Flash Point (Method Used): NONE Flammable Limits: LEL: N/A UEL: N/A
Extinguishing Media: N/A
Special Fire Fighting Procedures: N/A

Unusual Fire and Explosion Hazards: CONTACT WITH SOME METALS, PARTICULARLY MAGNESIUM, ALUMINUM AND GALVANIZED ZINC CAN GENERATE HYDROGEN RAPIDLY WHICH IS EXPLOSIVE.

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Stability: Unstable: Conditions to avoid:
 Stable: X MATERIALS LISTED BELOW
 Incompatibility (Materials to Avoid): ORGANIC MATERIALS, CONCENTRATED ACIDS
 METALS MAY REACT WITH VARIOUS FOOD SUGARS
 Hazardous Decomposition or Byproducts: MAY REACT WITH SOME METALS TO
 GENERATE HYDROGEN GAS.
 Hazardous Polymerization: May Occur: Will Not Occur: X
 Conditions to Avoid: N/A

Section VI: HEALTH HAZARD DATA

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Routes of Entry: Inhalation: YES Skin: YES Ingestion: YES Health
 Hazards (Acute and Chronic):
 EYES: CAUSES SEVERE BURNS, CAN RESULT IN LOSS OF SIGHT. SKIN: CAUSES SEVERE BURNS.
 PROLONGED CONTACT WILL DESTROY TISSUE. INGESTION: WILL CAUSE EXTENSIVE DAMAGE TO
 TISSUE AND MAY BE FATAL. MAY CAUSE UPPER RESPIRATORY DAMAGE Carcinogenicity:
 NTP:NOIARC Monographs:NO OSHA Reg:NO Signs and Symptoms of Exposure: SEE HEALTH
 HAZARDS

Medical Conditions Generally Aggravated by Exposure: NONE KNOWN

Emergency and First Aid Procedures: EYES & SKIN: FLUSH WITH WATER FOR 15 MINUTES AND GET MEDICAL ATTENTION. INHALATION: REMOVE TO FRESH AIR AND GET IMMEDIATE MEDICAL ATTENTION. INGESTION: DRINK WATER AND GET IMMEDIATE MEDICAL ATTENTION.

Section VII: PRECAUTIONS FOR SAFE HANDLING AND USE

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Steps to be Taken in Case Material is Released or Spilled: DIKE AREA TO CONTAIN SPILL. DILUTE SPILL WITH LARGE QUANTITIES OF WATER AND THEN NEUTRALIZE WITH A DELUTE ACID. FLUSH AREA WITH WATER UNTIL CLEAN.

Waste Disposal Method: DISPOSE OF IN APPROVED HAZARDOUS WASTE FACILITY. CONTSULT FEDERAL, STATE AND LOCAL GUIDELINES FOR PROPER DISPOSAL.

Precautions to be Taken in Handling and Storing: STORE IN A COOL DRY AREA. DO NOT ALLOW MATERIALS TO CONTACT ORGANIC MATERIALS OR STRONG ACIDS. REPLACE CAP ON CONTAINER AFTER EACH USE.

Other Precautions: KEEP AWAY FROM CHILDREN. WEAR PROTECTIVE CLOTHING WHEN USING.

Section VIII: CONTROL MEASURES

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Respiratory Protection: WEAR NIOSH, MSHA APPROVED MECHANICAL FILTER TYPE
 Ventilation: Local Exhaust: RECOMMENDED
 Mechanical: N/A Special: N/A Other: N/A
 Protective Gloves: RUBBER GLOVES MUST BE WORN
 Eye Protection: SAFETY GLASSES OR GOGGLES MUST BE WORN Other
 Protective Clothing or Equipment:
 ALL AREAS OF SKIN SHOULD BE COVERED ON ARMS, TORSO AND LEGS
 Work/Hygienic Practices:
 IF CLOTHING BECOMES CONTAMINATED RE WASH IMMEDIATELY ANDY.