

MATERIAL SAFETY DATA SHEET

BAB 1101

Latest Revision Date...07/19/06

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SECTION 1

MANUFACTURER INFORMATION

HYDRO-ZONE, INC.
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Romulus, Michigan 48174
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FOR CHEMICAL EMERGENCY
CALL INFOTRAC @ 1-800-535-5053
24 HRS/DAY, 7 DAYS/WEEK

SECTION 2

PRODUCT IDENTIFICATION

PRODUCT NUMBER..... HZ 1101
TRADE NAME OR CHEMICAL NAME... BAB 1101
SYNONYMS..... NA
CHEMICAL FAMILY..... Boiler Chemical Treatment
NFPA - HEALTH HAZARD..... 3
FIRE HAZARD..... 0
REACTIVITY HAZARD..... 0
NFPA SCALE..... 4=Extreme 3=High 2=Moderate 1=Slight 0=Insignificant
KEY..... NA= Not Applicable ND= Not Determined

SECTION 3

HAZARDOUS INGREDIENTS

Table with 7 columns: CHEMICAL NAME(S), CAS NUMBER, % WT, TLV-TWA, PEL, SEC.313, CARCINOGEN?. Row 1: Sodium Hydroxide, 1310-73-2, <25, 2 mg/m3, 2 mg/m3, No, No

SECTION 4

SHIPPING DATA

D.O.T. PROPER SHIPPING NAME... Corrosive Liquid, Basic, Inorganic, N.O.S. (Sodium Hydroxide)
D.O.T. HAZARD CLASS..... Corrosive Material Class 8
D.O.T. LABELS REQUIRED..... Corrosive
UN/NA I.D. NUMBER..... UN 3266
PACKAGING GROUP..... II
NON-BULK SHIPPING NAME..... Corrosive Liquid, Basic, Inorganic, N.O.S. (Sodium Hydroxide), 8, UN 3266, PG II
BULK SHIPPING NAME..... Corrosive Liquid, Basic, Inorganic, N.O.S. (Sodium Hydroxide), 8, UN 3266, PG II, RQ (If 4,348 lbs. or more in one package)

SECTION 5

PHYSICAL DATA

BOILING/FREEZING POINT @760 mmHg... 220°F (105°C) / ND
pH..... 12.7 (1% Solution)
VAPOR PRESSURE mm Hg @20° C..... ND
VAPOR DENSITY (Air = 1)..... ND
PERCENT VOLATILE BY WEIGHT (%)..... 75
SPECIFIC GRAVITY @20°C..... 1.24
SOLUBILITY IN WATER..... Complete
EVAPORATION RATE..... (Water=1) 0.7
APPEARANCE AND ODOR..... Dark amber liquid with faint odor.

SECTION 6

FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (Test Method)..... NA
AUTOIGNITION TEMPERATURE..... NA

SECTION 6FIRE AND EXPLOSION HAZARD DATA

CONT'D

FLAMMABILITY LIMITS IN AIR (% V)... NA  
 EXTINGUISHING MEDIA..... Not Combustible  
 SPECIAL FIRE FIGHTING PROCEDURES... NA  
 UNUSUAL FIRE & EXPLOSION HAZARDS... Material is strongly alkaline. Beware of exploding drums due to expansion.

SECTION 7REACTIVITY DATA

PRODUCT STABILITY..... Stable  
 Conditions to Avoid..... Temperatures above 212°F (100°C)  
 CHEMICAL INCOMPATIBILITY..... Strong acids. Sodium Hydroxide reacts with zinc, aluminum, tin and other active metals liberating flammable hydrogen gas.  
 HAZARDOUS DECOMPOSITION PRODUCTS... NA  
 HAZARDOUS POLYMERIZATION..... Will Not Occur

SECTION 8HEALTH HAZARD DATA

SKIN CONTACT... May cause burns or irritation.  
 EYE CONTACT.... Contact will cause alkali burns.  
 INHALATION.... Irritation to mucousal passages, pulmonary edema can occur.  
 INGESTION..... Corrosion of esophageal passages likely.

SECTION 9EMERGENCY AND FIRST AID PROCEDURES

SKIN.....Remove contaminated clothing and flush exposed skin with soap and water. If irritation persists or develops, get medical attention. Launder contaminated clothing before reuse.  
 EYES.....Immediately flush eyes with large amounts of water for 15 minutes and get medical attention.  
 INGESTION....If swallowed, DO NOT INDUCE VOMITING. Get medical attention immediately. Never give anything by mouth to an unconscious person.  
 INHALATION...Move to fresh air. Aid in breathing, if necessary, and get medical attention.

SECTION 10ENVIRONMENTAL DATA

SPILL OR LEAK PROCEDURES... Avoid skin contact. Neutralize with appropriate material and absorb with sand or inert material. Place in suitable container for disposal. Flush neutralized residues to sanitary sewer.  
 WASTE DISPOSAL METHOD..... Corrosive. Dispose of in accordance with all federal, state and local regulations.  
 HAZARDOUS WASTE 40CFR261... Yes. Hazardous Waste Number: D002  
 CONTAINER DISPOSAL..... Empty containers may contain residuals. Thoroughly clean, then offer for recycling, reuse, or disposal in accordance with governmental regulations.

SECTION 11SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION.....Respirator not required with most applications.  
 VENTILATION.....Local exhaust is generally sufficient to minimize exposure.  
 PROTECTIVE CLOTHING.....Neoprene gloves, apron, boots - as necessary to prevent skin contact.  
 EYE PROTECTION.....Chemical goggles.  
 OTHER PRECAUTIONS.....Safety shower and eyewash fountains should be easily accessible.

SECTION 12SUPPLIER INFORMATION

This information is furnished without warranty, expressed or implied, except that it is accurate to the best knowledge of manufacturer. The data on this sheet relates only to the specific material designated herein. Manufacturer assumes no legal responsibility for use or reliance upon this data.