

MATERIAL SAFETY DATA SHEET

BAB 1102

Latest Revision Date: 8/20/02

SECTION 1 MANUFACTURER INFORMATION

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EMERGENCY CONTACT:
(800) 255-3924

SECTION 2 PRODUCT IDENTIFICATION

PRODUCT NUMBER.....1102
TRADE NAME OR CHEMICAL NAME.....BAB 1102
SYNONYMS.....NA
CHEMICAL FAMILY.....Internal Boiler Treatment
NFPA- HEALTH HAZARD.....3
FIRE HAZARD.....0
REACTIVITY HAZARD.....1
NFPA SCALE.....4= EXTREME 3=HIGH 2=MODERATE 1=SLIGHT 0=INSIGNIFICANT
KEY.....NA= Not Applicable NF= Not Determined

SECTION 3 HAZARDOUS IDENTIFICATION

<u>CHEMICAL NAME(S)</u>	<u>CAS NUMBER</u>	<u>% WT.</u>	<u>TLV-TWA</u>	<u>PEL</u>	<u>CARCINOGEN?</u>
Sodium hydroxide	1310-73-2	50	2 mg/M ³	2 mg/M ³	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 1824
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 2,00 lbs. or more in one package)

SECTION 5 PHYSICAL DATA

BOILING/ FREEZING POINT @ 760 mmHg.....265°F (130 °C)/ 50°F (10°C)
pH.....13.0
VAPOR PRESSURE mmHg @ 20°C.....=Water
VAPOR DENSITY (Air=1).....ND
PERCENT VOLATILE BY WEIGHT (%).....45-55
SPECIFIC GRAVITY @20°C.....1.53
SOLUBILITY IN WATER.....Miscible
EVAPORATION RATE.....ND
APPEARANCE AND ODOR.....Clear, viscous liquid with no odor.

BAB 1102

SECTION 6 **FIRE AND EXPLOSION HAZARD DATA**

FLASH POINT (PENSKY-MARTEN C.C.).....NA
AUTOIGNITION TEMPERATURE.....NA
FLAMMABILITY LIMITS IN AIR (% V).....NA
EXTINGUISHING MEDIA.....Not Combustible
SPECIAL FIRE FIGHTING PROCEDURES.....Use water to cool fire exposed containers. Sodium hydroxide may react with water.
UNUSUAL FIRE & EXPLOSION HAZARDS.....Contact with reactive metals may generate flammable hydrogen gas.

SECTION 7 **REACTIVITY DATA**

PRODUCT STABILITY.....Stable
Conditions To Avoid.....Contact with carbohydrates, aluminum, tin, zinc; dilution with water unless under controlled conditions.
CHEMICAL INCOMPATIBILITY.....Strong acids, nitrogen containing organics, explosives, phosphorus, organic peroxides, halogen compounds.
HAZARDOUS DECOMPOSITION PRODUCTS.....None
HAZARDOUS POLYMERIZATION.....Will Not Occur

SECTION 8 **HEALTH HAZARD DATA**

SKIN CONTACT.....Can cause severe irritation and/ or burns. Prolonged contact can cause destruction of the dermis.
EYE CONTACT.....Severe irritation and/ or burns can occur following eye exposure. Contact may cause impairment of vision and corneal damage.
INHALATION.....Inhalation is irritating to the nose, throat, mouth and lungs. May cause burns to the respiratory tract.
INGESTION.....Irritation and burns can occur to the entire gastrointestinal tract.

SECTION 9 **EMERGENCY 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 seek medical attention.
INGESTION.....If swallowed, DO NOT INDUCE VOMITING. Seek medical attention immediately.
INHALATION.....Move to fresh. Aid in breathing, if necessary, seek medical attention.

SECTION 10 **ENVIRONMENTAL 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 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 11 **SPECIAL 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 12 **SUPPLIER 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.