

MATERIAL SAFETY DATA SHEET

Bond 5013

Material Identification and Use

EFFECTIVE DATE..... 10/3/06 (Last revision N/A)

MANUFACTURED FOR BOND WATER TECHNOLOGIES, INC.
ADDRESS 630 E. Diamond Avenue, Suite J/K, Gaithersburg, MD 20877
MANUFACTURER'S PHONE (301) 721-BOND
EMERGENCY PHONE NUMBER (800) 424-9300 CHEMTREC

DOT SHIPPING NAME Sodium Hydroxide Solution, 8, UN1824, PGII
HAZARD CLASS Corrosive Material
UN NUMBER UN1824

PRODUCT USE This product is designed for use in industrial, commercial or institutional water treatment systems. This product is not for use in potable water systems.

Hazardous Ingredients

HAZARDOUS INGREDIENTS	PERCENT (%)	TLV (Units)	CAS NUMBER
Sodium Hydroxide	1-10	2 mg/M ³	1310-73-2

Physical Data

PHYSICAL STATE Liquid
BOILING POINT NE
MELTING POINT NE
FREEZING POINT NE
VAPOR PRESSURE NE
VAPOR DENSITY (air=1) NE
EVAPORATION RATE NE
SOLUBILITY IN H₂O Complete
VOLATILITY/VOL(%) NE
pH 13.3
SPECIFIC GRAVITY 1.178
DENSITY (g/ml) NE
ODOR AND APPEARANCE Brown liquid; no appreciable odor.

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Fire and Explosion Hazard Data

FLASHPOINT AND METHOD OF DETERMINATIONNone
AUTO-IGNITION TEMPERATURE.....NA
UPPER EXPLOSION LIMIT(% BY VOL)NA
LOWER EXPLOSION LIMIT(% BY VOL)NA
MEANS OF EXTINCTION In case of fire, use water spray, foam, dry chemical or CO₂.
HAZARDOUS COMBUSTION PRODUCTS..... None known
SPECIAL FIREFIGHTING PROCEDURES..... None
UNUSUAL FIRE AND EXPLOSION DATA..... None

Reactivity Data

CHEMICAL STABILITYStable
HAZARDOUS POLYMERIZATION Will not occur
INCOMPATIBLE MATERIALSStrong acids
HAZARDOUS DECOMPOSITION PRODUCTSNone known
CONDITIONS OF REACTIVITYNA

Health Hazard Data

ROUTES OF ENTRY
BY EYE CONTACTPossible
BY SKIN CONTACT.....Possible
BY SKIN ABSORPTIONNA
BY INHALATIONPossible
BY INGESTIONPossible
TLV (UNITS)NE
ACUTE OVER EXPOSURE EFFECTSEye irritant. Risk of serious damage of eyes. Skin irritant.
CHRONIC OVER EXPOSURE EFFECTSNE

CARCINOGENIC ACCORDING TO THE FOLLOWING:

NTP?No
IARC MONOGRAPHS?No
OSHA REGULATEDNo
OTHER.....

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First Aid Measures

SPECIFIC FIRST AID PROCEDURES Flush eyes with abundant water. Consult a physician. Promptly remove contaminated clothes. Wash skin with soap and water. If irritation persists, consult a physician. If ingested, give water. Do not induce vomiting. Call a physician. In case of discomfort by vapors or dusts, move to a ventilated area.

Preventive Measures

LEAK AND SPILL PROCEDURES Contain the spill and absorb with an inert material. Collect.
WASTE DISPOSAL Dispose of contaminated product via an approved chemical waste disposal firm and in accordance with all federal, state and local regulations.
HANDLING PROCEDURES AND EQUIPMENT Handle an open container with care. Avoid contact with skin.
STORAGE REQUIREMENTS Store in a tightly sealed container. Store in a cool, dry and well-ventilated area.

Control Measures

RESPIRATORY PROTECTION Not required for normal use
VENTILATION
 LOCAL EXHAUST NA
 MECHANICAL EXHAUST NA
 OTHER.....
PROTECTIVE GLOVES Wear suitable gloves.
EYE PROTECTION..... Wear eye/face protection.
OTHER PROTECTIVE EQUIPMENT Wear suitable protective clothing.

