

MATERIAL SAFETY DATA SHEET

Bond 5014

Material Identification and Use

EFFECTIVE DATE..... 10/17/06 (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..... 1.182
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 DETERMINATION None
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 STABILITY..... Stable
HAZARDOUS POLYMERIZATION..... Will not occur
INCOMPATIBLE MATERIALS Strong acids
HAZARDOUS DECOMPOSITION PRODUCTS None known
CONDITIONS OF REACTIVITY NA

Health Hazard Data

ROUTES OF ENTRY
 BY EYE CONTACT Possible
 BY SKIN CONTACT Possible
 BY SKIN ABSORPTION NA
 BY INHALATION Possible
 BY INGESTION Possible
TLV (UNITS)..... NE
ACUTE OVER EXPOSURE EFFECTS..... Eye irritant. Risk of serious damage of eyes. Skin irritant.
CHRONIC OVER EXPOSURE EFFECTS NE

CARCINOGENIC ACCORDING TO THE FOLLOWING:

 NTP? No.....
 IARC MONOGRAPHS? No.....
 OSHA REGULATED No.....

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 EXHAUSTNA
 MECHANICAL EXHAUST.....NA
 OTHER.....
PROTECTIVE GLOVES..... Wear suitable gloves.
EYE PROTECTION..... Wear eye/face protection.
OTHER PROTECTIVE EQUIPMENT Wear suitable protective clothing.

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Regulatory Information

HAZARD RATING:		HAZARD RATING SCALE:	
Health:	2	0=Minimal	3=Serious
Fire:	0	1=Slight	4=Severe
Reactivity:	0	2=Moderate	
Special Warning:			

SUPERFUND AMMENDMENTS AND REAUTHORIZATION ACT OF 1986 (SARA) TITLE III

Ingredients covered under the following sections:

CERCLA Hazardous Substance:Sodium Hydroxide, RQ= 1000 lbs

SARA Toxic Chemical - SECTION 313:None

OTHER

IN ACCORDANCE WITH VARIOUS STATE (U.S.) REGULATIONS THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL INGREDIENTS:

INGREDIENTS	CAS NUMBER
Sodium Tolyltriazole	64665-57-2
Hydroxyphosphono Acetic Acid	UN
Sodium Hydroxide	1310-73-2
Sodium Metaborate	1303-96-4
Phosphono Carboxylic Acid	UN
Phenolphthalein	77-09-8

Preparation Information

PREPARED BY PTD
PHONE NUMBER OF PREPARER..... (301) 721-BOND

DISCLAIMER:

The above information and recommendations are accurate to the best of our knowledge. However, the company assumes no liability for the accuracy or completeness of the information contained herein and disclaims all liability for the reliance thereon. All chemicals present unknown health hazards and should be used with caution. The user should satisfy himself by independent investigation that he has all current data relevant to his particular use.

UN - Unavailable NA - Not Applicable NE - Not Established