

MATERIAL SAFETY DATA SHEET

BOND 5007

Material Identification and Use

EFFECTIVE DATE.....6/24/03 (Last Revision N/A)

MANUFACTURED FORBOND WATER TECHNOLOGIES, INC.
ADDRESS630 E. Diamond Avenue – Suite J/K, Gaithersburg, MD 20877
PHONE(301) 721-BOND
EMERGENCY PHONE NUMBER(800) 424-9300 CHEMTREC

DOT SHIPPING NAMESodium Hydroxide Solution, 8, UN1824, PGII
HAZARD CLASSCorrosive Liquid
UN NUMBERUN1824

PRODUCT USEThis 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
2-Phosphonobutane-1,2,4- tricarboxylic acid	0 - 10	NE	37971-36-1
Sodium Hydroxide	0 - 10	2 ppm	1310-73-2

Physical Data

PHYSICAL STATELiquid
BOILING POINTNE
MELTING POINTNE
FREEZING POINTNE
VAPOR PRESSURENE
VAPOR DENSITY (air=1).....NE
EVAPORATION RATE.....NE
SOLUBILITY IN H2O.....Complete
VOLATILITY/VOL(%)NE
pH12.7
SPECIFIC GRAVITY1.125
DENSITY (g/ml)NE
ODOR AND APPEARANCETan color, slight 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 EXTINGUISHMENT In case of fire use water spray, foam, dry chemical or CO₂.
HAZARDOUS COMBUSTION PRODUCTS..... None known
SPECIAL FIREFIGHTING PROCEDURES Wear protective clothing when fighting fires.
UNUSUAL FIRE AND EXPLOSION DATA..... Adding water may generate heat.

Reactivity Data

CHEMICAL STABILITYStable
HAZARDOUS POLYMERIZATION Will not occur
INCOMPATIBLE MATERIALS.....Strong 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. In case of discomfort by vapors or dusts, move to a ventilated area. If irritation persists, consult a physician. If ingested, give water. Do not induce vomiting. Call a physician.

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..... Wear a face shield and avoid all skin contact. Handle an open container with care.
STORAGE REQUIREMENTS Store in a tightly sealed container. Store in a cool, dry and well-ventilated area.

Control Measures

RESPIRATORY PROTECTION No specific requirement
VENTILATION
 LOCAL EXHAUST Adequate
 MECHANICAL EXHAUST NA
 OTHER.....
PROTECTIVE GLOVES Wear suitable gloves.
EYE PROTECTION..... Wear eye/face protection.
OTHER PROTECTIVE EQUIPMENT..... Wear suitable protective clothing.

