

# MATERIAL SAFETY DATA SHEET

## Bond 1500

### Material Identification and Use

EFFECTIVE DATE..... 10/20/05 (Last revision N/A)

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

DOT SHIPPING NAME..... NA  
HAZARD CLASS..... Not Regulated  
UN NUMBER..... NA

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
Acetic Acid	1 – 10	15 ppm	64-19-7
Propionic Acid	1 – 10	10 ppm	79-09-4

### 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 H<sub>2</sub>O ..... Complete  
VOLATILITY/VOL(%)..... NE  
pH ..... 3.5  
SPECIFIC GRAVITY..... 1.018  
DENSITY (g/ml) ..... NE  
ODOR AND APPEARANCE ..... Clear, amber liquid; slight pungent acidic odor.

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## Fire and Explosion Hazard Data

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FLASHPOINT AND METHOD OF DETERMINATION ..... NE  
AUTO-IGNITION TEMPERATURE..... NE  
UPPER EXPLOSION LIMIT(% BY VOL) ..... NE  
LOWER EXPLOSION LIMIT(% BY VOL) ..... NE  
MEANS OF EXTINCTION..... In case of fire, use water spray, foam, dry chemical or CO<sub>2</sub>.  
HAZARDOUS COMBUSTION PRODUCTS ..... Thermal decomposition products include Acetic Acid vapors.  
SPECIAL FIREFIGHTING PROCEDURES ..... Wear self-contained breathing apparatus if fighting fires near this product due to thermal decomposition products.  
UNUSUAL FIRE AND EXPLOSION DATA ..... None

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## Reactivity Data

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CHEMICAL STABILITY..... Stable  
HAZARDOUS POLYMERIZATION..... Will not occur  
INCOMPATIBLE MATERIALS ..... Reaction with strong acids, strong bases, strong reducing agents or strong oxidizers may generate heat or dangerous fumes.  
HAZARDOUS DECOMPOSITION PRODUCTS ..... Thermal decomposition products include Acetic Acid vapors  
CONDITIONS OF REACTIVITY ..... Keep away from sources of ignition – No smoking.

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## Health Hazard Data

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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..... Risk of serious damage of eyes. Skin irritant. Not completely tested. Expected to be moderately toxic based on components.  
CHRONIC OVER EXPOSURE EFFECTS ..... The effects from chronic exposure to this product have not been fully evaluated.

### CARCINOGENIC ACCORDING TO THE FOLLOWING:

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

OTHER .....

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## First Aid Measures

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SPECIFIC FIRST AID PROCEDURES ..... Flush eyes with abundant water. Consult a physician. Remove promptly contaminated clothes. Flush skin with water. In case of discomfort by vapors, move to a ventilated area. If breathing has stopped, administer artificial respiration. Give oxygen. Keep warm and call a physician. If ingested, give water. Do not induce vomiting. Call a physician.

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## Preventive Measures

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LEAK AND SPILL PROCEDURES ..... Eliminate all sources of ignition. 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 suitable protective clothing.

STORAGE REQUIREMENTS ..... Store in a tightly sealed container. Store in a cool, dry and well-ventilated area, away from all sources of heat and ignition.

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## Control Measures

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RESPIRATORY PROTECTION..... Ventilate adequately, otherwise wear an appropriate breathing apparatus.

VENTILATION

    LOCAL EXHAUST .....Adequate

    MECHANICAL EXHAUST.....Recommended

    OTHER.....

PROTECTIVE GLOVES..... Wear suitable gloves.

EYE PROTECTION..... Wear eye/face protection.

OTHER PROTECTIVE EQUIPMENT ..... Wear suitable protective clothing.

