

**MATERIAL SAFETY DATA SHEET**

**BOND 1260**

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**Material Identification and Use**

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EFFECTIVE DATE.....1/3/01 (Last revision N/A)

MANUFACTURER'S NAME.....BOND WATER TECHNOLOGIES, INC.  
MANUFACTURER'S 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 ..... Corrosive Liquid, Acidic, Organic, n.o.s. (2,2-dibromo-3-nitrilopropionamide), 8, UN3265, PGIII  
HAZARD CLASS .....8, Corrosive  
UN NUMBER .....UN3265

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.

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**Hazardous Ingredients**

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HAZARDOUS INGREDIENTS	PERCENT (%)	TLV (Units)	CAS NUMBER
2,2-Dibromo-3-nitrilopropionamide	20	NE	10222-01-2
Polyethylene Glycol Mixture	< 80	NE	112-60-7

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**Physical Data**

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PHYSICAL STATE .....Liquid  
BOILING POINT .....Decomposes >165°C  
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 .....2.9  
SPECIFIC GRAVITY .....1.2-1.3  
DENSITY (g/ml) .....NE  
ODOR AND APPEARANCE .....Light tan colored liquid.

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**Fire and Explosion Hazard Data**

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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 CO<sub>2</sub>.  
HAZARDOUS COMBUSTION PRODUCTS..... Gases formed above 120°C are methylbromide,  
ethylbromide, hydrogen cyanide, nitric oxide, and  
cyanogenbromide.  
SPECIAL FIREFIGHTING PROCEEDURES ..... Wear a self contained breathing apparatus  
UNUSUAL FIRE AND EXPLOSION DATA..... Gives off hazardous vapors when involved in a fire

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**Reactivity Data**

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CHEMICAL STABILITY .....Stable  
HAZARDOUS POLYMERIZATION ..... Will not occur  
INCOMPATIBLE MATERIALS.....Alkaline materials  
HAZARDOUS DECOMPOSITION PRODUCTS ..... Cyanogen bromide, bromine and dibromoacetylnitrile may form in  
the headspace of an unvented drum  
CONDITIONS OF REACTIVITY .....NA

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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 .....Possible  
BY INHALATION .....Possible  
BY INGESTION .....Possible  
TLV (UNITS).....NE  
ACUTE OVER EXPOSURE EFFECTS ..... EYE IRRITANT. SKIN IRRITANT. Eye contact may cause corneal  
injury Ingestion: Single dose toxicity is low, large amounts may  
cause injury.  
CHRONIC OVER EXPOSURE EFFECTS .....Product is not expected to cause allergic reactions.

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. Promptly remove contaminated clothes. Wash skin with soap and water. If irritation persists, consult a physician. In case of ingestion, give plenty of water. Induce vomiting if possible. Call a physician. In case of discomfort by vapors or dusts, move to a ventilated area. Apply glycerin for skin contact, if irritation persists obtain medical attention.

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**Preventive Measures**

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LEAK AND SPILL PROCEDURES ..... Large Spills: Dike and contain to prevent entering fish bearing waters. Small Spills: Do not flush into sewer. Absorb on inert media then dispose of in accordance with local, state and federal regulations.

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 cool and well-ventilated area.

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**Control Measures**

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RESPIRATORY PROTECTION ..... Adequate ventilation

VENTILATION

    LOCAL EXHAUST ..... Recommended

    MECHANICAL EXHAUST ..... Recommended

    OTHER.....

PROTECTIVE GLOVES ..... Rubber

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

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

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**Regulatory Information**

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HAZARD RATING:

HAZARD RATING SCALE:

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Health:	<b>3</b>	0=Minimal	3=Serious
Fire:	<b>1</b>	1=Slight	4=Severe
Reactivity:	<b>1</b>	2=Moderate	
Special Warning:			

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

Ingredients covered under the following sections:

CERCLA Hazardous Substance - ..... None

SARA Toxic Chemical - SECTION 313:..... 2,2-Dibromo-3-nitrilopropionamide

OTHER.....

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

INGREDIENTS	CAS NUMBER
2,2-dibromo-3-nitrilopropionamide	10222-01-2
Polyethylene Glycol Mixture	112-60-7

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**Preparation Information**

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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