

MATERIAL SAFETY DATA SHEET

BOND 1245

Material Identification and Use

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

MANUFACTURER'S NAME.....BOND WATER TECHNOLOGIES, INC.
MANUFACTURER'S ADDRESS630 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, UN1760, PGIII
HAZARD CLASS Corrosive
UN NUMBER UN1760

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
2,2-Dibromo-3-nitrilo- propionamide	5.0	NE	10222-01-2
Polyethylene glycol Mixture	< 95		25322-68-3

Physical Data

PHYSICAL STATELiquid
BOILING POINTDecomposes >120° C
MELTING POINT.....NE
FREEZING POINTNE
VAPOR PRESSURENE
VAPOR DENSITY (air=1).....NE
EVAPORATION RATE.....NE
SOLUBILITY IN H2O..... Complete
VOLATILITY/VOL(%)NE
pH2.9
SPECIFIC GRAVITY1.2
DENSITY (g/ml)NE
ODOR AND APPEARANCE Clear Light Yellow to Amber.

Fire and Explosion Hazard Data

FLASHPOINT AND METHOD OF DETERMINATIONNone
AUTO-IGNITION TEMPERATURE.....NA

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UPPER EXPLOSION LIMIT(% BY VOL)NA
LOWER EXPLOSION LIMIT(% BY VOL)NA
MEANS OF EXTINCTIONIn case of fire, use water spray, foam, dry chemical or CO₂.
HAZARDOUS COMBUSTION PRODUCTS.....Gases formed above 120°C are methylbromide,
ethylbromide, hydrogen cyanide, nitric oxide, and
cyanogenbromide.
SPECIAL FIREFIGHTING PROCEEDURESWear a self contained breathing apparatus
UNUSUAL FIRE AND EXPLOSION DATA.....Gives off hazardous vapors when involved in a fire

Reactivity Data

CHEMICAL STABILITYStable
HAZARDOUS POLYMERIZATIONWill not occur
INCOMPATIBLE MATERIALSAlkaline materials
HAZARDOUS DECOMPOSITION PRODUCTSCyanogen bromide, bromine and dibromoacetylnitrile may form in
the headspace of an unvented drum
CONDITIONS OF REACTIVITYNA

Health Hazard Data

ROUTES OF ENTRY
BY EYE CONTACTPossible
BY SKIN CONTACT.....Possible
BY SKIN ABSORPTIONNA
BY INHALATIONNA
BY INGESTIONPossible
TLV (UNITS)NE
ACUTE OVER EXPOSURE EFFECTSEye irritant. Skin irritant.
CHRONIC OVER EXPOSURE EFFECTSNE

CARCINOGENIC ACCORDING TO THE FOLLOWING:

NTP?No
IARC MONOGRAPHS?No
OSHA REGULATEDNo
OTHERNA

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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. Induce vomiting if possible. Call a physician. In case of discomfort by vapors or dusts, move to a ventilated area. If irritation persists, consult a physician.

Preventive Measures

LEAK AND SPILL PROCEDURES Contain the spill and absorb with an inert material. Collect. Before absorbing raise pH to at least 8.1 by adding excess Soda Ash. Hold for proper disposal methods.

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.

Control Measures

RESPIRATORY PROTECTION No special requirement

VENTILATION

 LOCAL EXHAUST Recommended

 MECHANICAL EXHAUST Recommended

 OTHER NA

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:	1	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-nitrilo- propionamide	10222-01-2
Polyethylene Glycol Mixture	25322-68-3

Preparation Information

PREPARED BYPTD
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