

Safety Data Sheet

BOND 3059

1 – PRODUCT IDENTIFICATION

PRODUCT NAME:..... BOND 3059

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

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.

2 – HAZARDS IDENTIFICATION

SIGNAL WORD: DANGER

POTENTIAL HEALTH EFFECTS:



H302: Harmful if swallowed



H314: Causes severe skin burns and eye damage



H400: Very toxic to aquatic life

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PRECAUTIONARY STATEMENTS:

P273: Avoid release to the environment

P280: Wear protective gloves/protective clothing/eye protection/face protection.

P264: Wash thoroughly after handling.

P402+404: Store in a dry place. Store in a closed container.

P403+404: Store in a well ventilated place. Keep cool.

P321: Specific treatment (see First Aid Measures on Safety Data Sheet).

3 – COMPOSITION / INFORMATION ON INGREDIENTS

HAZARDOUS INGREDIENT

Ammonium Hydroxide

PERCENT

15-25

CAS NUMBER

NE

4 – FIRST-AID MEASURES

EYES: IMMEDIATELY flush eyes with large amounts of water for at least 15 minutes. Get prompt medical attention.

SKIN (DERMAL): Promptly remove contaminated clothes. Wash skin with soap and water. If irritation persists, consult a physician.

SWALLOWING (INGESTION): If ingested, give water. DO NOT induce vomiting. Call a physician.

BREATHING (INHALATION): In case of discomfort from dusts or vapors, move to a well ventilated area. Get immediate medical attention if signs of suffocation, irritation or other symptoms develop.

5 – FIRE-FIGHTING MEASURES

EXTINGUISHING MEDIA: Water Spray, Foam, Dry Chemical or CO₂

HAZARDOUS DECOMPOSITION PRODUCTS: Ammonia gas and oxides of nitrogen

SPECIAL FIREFIGHTING PROCEDURES: Wear full protective suit with self contained breathing apparatus. Use water spray to cool nearby containers.

UNUSUAL FIRE AND EXPLOSION DATA: Flammable ammonia gas will be liberated at all temperatures which can be explosive under some conditions. The addition of this product to concentrated mineral acids will cause instant boiling and a possible explosion.

6 – ACCIDENTAL RELEASE MEASURES

LEAK AND SPILL PROCEDURES: Use specified protective equipment (see section 8 of SDS). Contain and absorb with inert material. Contain large spills by diking with inert material and carefully neutralize with dilute hydrochloric acid. Keep non-neutralized material out of sewers, storm drains, surface waters and soil. Sweep up spill and reclaim or place in a covered waste disposal container. Wash area with water.

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WASTE DISPOSAL: Dispose of contaminated product via an approved chemical waste disposal firm and in accordance with all federal, state and local regulations.

7 – HANDLING and STORAGE

HANDLING PROCEDURES AND EQUIPMENT: Handle an open container with care. See section 8 of SDS for personal protection equipment. Avoid all skin contact and wash thoroughly after handling.

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

SPECIAL CONSIDERATIONS: None

8 – EXPOSURE CONTROLS / PERSONAL PROTECTION

ENGINEERING CONTROLS: Local exhaust required and mechanical exhaust recommended

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

PROTECTIVE GLOVES: Chemical gloves (neoprene, nitrile, PVC, natural rubber).

EYE PROTECTION: Face shield with chemical splash goggles.

ADDITIONAL MEASURES: Wear suitable chemical resistant protective clothing.

9 – PHYSICAL / CHEMICAL PROPERTIES

PHYSICAL STATE: Liquid

BOILING POINT: NE

FLASHPOINT: None

AUTOIGNITION TEMP: NA

UPPER EXPLOSION LIMIT (% BY VOL): NA

LOWER EXPLOSION LIMIT (% BY VOL): NA

VAPOR PRESSURE: NE

VAPOR DENSITY (air=1): NE

EVAPORATION RATE: NE

SOLUBILITY IN WATER: Complete

VOLATILITY INCLUDING WATER: NE

pH: 10-13

SPECIFIC GRAVITY: 0.933-1.00

ODOR: Strong amine odor

APPEARANCE: Clear-Tan

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10 – STABILITY and REACTIVITY

CHEMICAL STABILITY: Stable
HAZARDOUS POLYMERIZATION: Will not occur
INCOMPATIBLE MATERIALS: Strong acids, oxidizing materials, copper, aluminum, zinc, galvanized metals, gold, silver, and alloys of these metals; if contact will generate heat.
HAZARDOUS DECOMPOSITION PRODUCTS: Liquid will not burn but vapors may ignite. Avoid exposure to sources of ignition.

11 – TOXICOLOGICAL INFORMATION

ROUTES OF ENTRY:
BY EYE CONTACT: Possible
BY SKIN CONTACT: Possible
BY SKIN ABSORPTION: NA
BY INHALATION: Possible
BY INGESTION: Possible
THRESHOLD LIMIT VALUE (UNITS): NE
ACUTE OVER EXPOSURE EFFECTS: Corrosive to eyes, skin and respiratory tract. Can cause severe burns.
CHRONIC OVER EXPOSURE EFFECTS: NE
CARCINOGENIC ACCORDING TO THE FOLLOWING:
NTP? No
IARC MONOGRAPHS? No
OSHA REGULATED No

12 – ECOLOGICAL INFORMATION

None available

13 – DISPOSAL CONSIDERATIONS

Any disposal practice must be in compliance with local, state and federal laws and regulations (contact local or state environmental agency for specific rules).

14 – TRANSPORTATION INFORMATION

DOT (Department of Transportation)
UN NUMBER: UN2672
DOT SHIPPING NAME: Ammonia Solutions
HAZARD CLASS: 8
PACKAGING GROUP: III
LABEL REQUIRED: Corrosive

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15 – REGULATORY INFORMATION

TSCA STATUS:..... ALL COMPONENTS OF THIS PRODUCT ARE LISTED IN THE TSCA INVENTORY OR EXEMPT.

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

Ingredients covered under the following sections:

CERCLA HAZARDOUS SUBSTANCE:..... Ammonium Hydroxide, RQ = 1000 lbs

SARA Toxic Chemical – SECTION 313 :..... Ammonium Hydroxide (as Ammonia)

16 – OTHER INFORMATION

HEALTH	2
FLAMMABILITY	1
REACTIVITY	0

HMIS Rating Scale:

- 0=Minimal
- 1=Slight
- 2=Moderate
- 3=Serious
- 4=Severe

PREPARED BY.....MR
DATE OF PREPERATION7/17/15
DATE OF LAST REVISION.....3/4/02
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