

MATERIAL SAFETY DATA SHEET

Bastech AMP-4000 Series

Revision date: 2-1-2012

1.) COMPANY IDENTIFICATION:



BASTECH, LLC

3211 Powers Avenue
Jacksonville, FL 32207

EMERGENCY PHONE NUMBER: 904-737-1722

CHEMTREC: 800-424-9300

2.) COMPOSITION / INFORMATION ON HAZARDOUS INGREDIENTS:

<u>Ingredient name</u>	<u>CAS#</u>	<u>Hazard</u>	<u>Percentage</u>
Phosphoric acid	7664-38-2	Corrosive	<2%

3.) HAZARDS IDENTIFICATION:



Physical Appearance and Odor: Clear, viscous liquid with bland odor.

Emergency overview: Warning!! Severe eye and skin irritant.

Potential health effects:

Acute eye: Risk of serious damage to eyes. Immediately and thoroughly flush with water. Seek medical attention.

Acute skin: Severe Irritant. This product may aggravate existing dermatitis.

Acute inhalation: Prolonged or repeated overexposure to vapors or mists can cause severe irritation to mucous membranes and upper respiratory tract.

Acute ingestion: Low acute oral toxicity. Material is harmful if swallowed. This product may cause irritation of the mouth and digestive tract.

Chronic effects: This product does not contain any ingredient designated by IARC, NTP, ACGIH, or OSHA as a probably or suspected human carcinogen.

Harmful to aquatic organisms; may cause long-term adverse effects in the aquatic environment.

4.) FIRST AID MEASURES:

Eye: Hold eyelids open and flush with a steady, gentle stream of water for at least 15 minutes. Seek medical attention.

Skin: Immediately wash affected areas with soap and water for at least 5 minutes. If irritation develops, seek medical attention. Clean contaminated clothing and shoes before re-use.

Inhalation: Inhalation is not an expected route of exposure. If respiratory irritation or distress occurs remove victim to fresh air. Seek medical attention if distress or irritation continues.

Ingestion: Rinse mouth and then drink 1-2 glasses of water. Do not induce vomiting. Never induce vomiting or give anything by mouth to an unconscious person.

General advice: Treat symptomatically.

5.) FIRE FIGHTING MEASURES:

Flash point: >300 ° F (PMCC)

Flammability classification: Will burn

Extinguishing media: Use dry chemical, foam or carbon dioxide. Water jet is not recommended due to frothing.

Fire fighting equipment and special procedures: Fire fighters should wear NIOSH/MSHA approved self-contained breathing apparatus and full protection clothing.

Hazardous decomposition products: Oxides of carbon and phosphorous.

NFPA Hazard codes: Health 2; Flammability 1; Reactivity 0.

6.) ACCIDENTAL RELEASE:

Personal protective equipment: Wear appropriate protective gear for the situation. See Personal Protection information in Section 8.

Spill and clean up procedures: Absorb spill with an inert material (i.e. vermiculite). Sweep or scoop into containers for disposal.

Prevent entry to waterways, drains, and sewers. Inform relevant authorities if product has caused environmental pollution.

7.) HANDLING AND STORAGE:

Handling: Do not get on skin or in eyes. Do not breath vapors or mists. As with all chemicals, good industrial hygiene practices should be followed.

Storage: Store in a tightly closed container. Store in an area that is dry and well-ventilated. Do not store in unlined metal containers as phosphoric acid will react with some metals to liberate flammable hydrogen gas.

8.) EXPOSURE CONTROLS:

Exposure limits: 1.0 mg/m³ TWA & 3.0 mg/m³ STEL (Phosphoric acid)

Eye protection: Wear chemical goggles. Wear face shield if splashing is possible.

Skin protection: Skin contact with this material should be minimized through the use of impervious gloves. Butyl rubber or neoprene is acceptable. Use chemical apron when handling this material.

Respiratory protection: If vapors are present use a NIOSH approved respiratory protection for acidic vapors.

Other protective equipment and work practices: Eye wash fountain and emergency showers are recommended.

9.) PHYSICAL AND CHEMICAL PROPERTIES:

Appearance: Clear, viscous liquid

Odor: Bland

Melting point: ~60°F

Boiling point: 212°F (initial)

Flash point: >300°F (PMCC)

Solubility in water: Soluble

Density @ 90°F: 8.6-9.4 ppg

Evaporation rate: >1.0

Viscosity: <500 cps @ 120°F

pH: 1.7-2.3 (neat)

10.) STABILITY AND REACTIVITY:

Chemical stability: This material is stable under normal handling and storage conditions.

Substances to avoid: Avoid strong oxidizers, strong bases, and metals. Phosphoric acid reacts with some metals to liberate flammable hydrogen gas.

Hazardous decomposition products: Oxides of carbon and phosphorous.

Hazardous polymerization: Will not occur.

11.) TOXICOLOGICAL INFORMATION:

Acute toxicity: Phosphoric acid

- A) Oral: LD50 Rat: 1530 mg/kg
 - B) Dermal: LD50 Rabbit: 2740 mg/kg
 - C) Eyes: Severely irritating, rabbit.
 - D) Inhalation: LC50 Rat: >850 mg/m³/1H
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12.) ECOLOGICAL INFORMATION:

Ecotoxicological information:

Harmful to aquatic organisms; may cause long-term adverse effects in the aquatic environment.

Chemical fate information: Readily biodegradable. Assessment derived from products with similar chemical character.

13.) DISPOSAL CONSIDERATIONS:

Waste disposal: Dispose of in accordance with national, state, and local regulations.

Container disposal: Dispose of in a licensed facility. Recommend crushing or other means to prevent unauthorized use of empty containers.

14.) TRANSPORTATION INFORMATION:

US Department of Transportation shipping name: Not regulated.

Hazard class: Not regulated.

Packing group: Not Regulated.

ID number: Not Regulated.

15.) REGULATORY INFORMATION:

Inventory status:

US / TSCA	Yes
Canada / DSL	Yes
Europe / EINICS	Polymer exemption

SARA hazard categories:

Section 311/312: Acute

Section 313: This does not contain chemicals subject to 313 reporting.

16.) OTHER:

HMIS rating:

Health: 2 Flammability: 1 Reactivity: 0

Disclaimer:

The recommended industrial hygiene and safe handling procedures are believed to be generally applicable. However, each user should review these recommendations in the specific context of the intended use and determine whether they are appropriate.