
1. Product & Company Information

Manufacturer InBios International, Inc.
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Information Phone Number: 866-INBIOS1 (866-462-4671) or 206-344-5821

Hours: Mon. to Fri. 8:30AM - 5:00PM PST

Chemtrec Emergency Number: 800-424-9300 (24 hrs.)

Part Number(s) 500021
Product Name Chase Buffer
Synonyms N/A
Formula N/A
Molecular Weight N/A

2. Composition / Information on Ingredients

Component	CAS #	%	SARA
Sodium Phosphate, dibasic	7558-79-4	4 - 5	No
Sodium Chloride	7647-14-5	5 - 6	No
Sodium Azide	26628-22-8	0 - 0.1	Exempt by %
Water	7732-18-5	83 - 84	No

3. Hazard Identification

Emergency Overview

Sodium azide may react with lead or copper piping to form very explosive metal azides.

Additional Toxicity information is Section 11.

Potential Health Effects (Acute and Chronic)

Inhalation: May be irritating to mucous membranes and respiratory tract. May be harmful if inhaled.

Ingestion: May be harmful if swallowed.

Skin Contact: May be irritating to skin.

Eye Contact: May cause irritation to eyes.

Symptoms of Exposure: May cause a fall in blood pressure.

Aggravated Medical Conditions by Exposure: No information found.

Carcinogenicity: No information found.

4. First Aid Measures

Emergency First Aid

GET MEDICAL ASSISTANCE FOR ALL CASES OF OVEREXPOSURE.

Inhalation Remove to fresh air; give artificial respiration if breathing has stopped.

Ingestion Wash out mouth with water provided person is conscious; get immediate medical attention.

Skin Immediately flush thoroughly with large amounts of water. Remove contaminated clothing and wash before reuse. Seek medical attention.

Eyes Immediately flush thoroughly with water for at least 15 minutes. Seek medical attention.

5. Fire Fighting Measures

Extinguishing Media Use water spray, foam, dry chemical, or CO₂.

Fire Fighting Procedures Wear self-contained breathing apparatus and protective clothing.

Fire & Explosion Hazards Azide reacts with many heavy metals such as lead, copper, mercury to form explosive compounds. Copper and lead azides are more sensitive than nitroglycerine.

Emits toxic fumes under fire conditions.

6. Accidental Release Measures

Spill Response

Evacuate the area of all unnecessary personnel. Wear suitable protective equipment listed under Exposure / Personal Protection. Contain the release and eliminate its source, if this can be done without risk. Spill material should be disposed of accordingly (see Section 12). Comply with all Federal, State, and local regulations on reporting releases. Refer to Regulatory Information for reportable quantity and other regulatory data.

7. Handling and Storage

Handling

Avoid inhalation and contact with skin, eyes, and clothing. Avoid prolonged and repeated exposure. Retained residue may make empty containers hazardous; use caution!

Storage

Keep container tightly closed and protected against physical damage. Store at 4 C.

8. Exposure Controls and Personal Protection

Safety Equipment

Safety showers and eye wash station. Mechanical ventilation required.

Personal Protective Equipment

Engineering and/or administrative controls should be implemented to reduce exposure. Protective gloves must be worn to prevent skin contact. Safety glasses with side shields must be worn at all times. Impervious protective clothing should be worn to prevent skin contact.

Work and Hygiene Practices

Wash thoroughly after handling. Wash contaminated clothing before reuse.

Exposure Guidelines

OSHA - PEL:

Component	TWA		STEL		CL		Skin
	PPM	MG/M3	PPM	MG/M3	PPM	MG/M3	
Sodium Azide						0.3	X

ACGIH - TLV:

Component	TWA		STEL		CL		Skin
	PPM	MG/M3	PPM	MG/M3	PPM	MG/M3	
Sodium Azide						0.29	X

If there are no exposure limit numbers listed in the Exposure Guidelines chart, this indicates that no OSHA or ACGIH exposure limits have been established.

9. Physical and Chemical Properties

Boiling Point (C 760 mmHg)	N/A
Melting Point (C)	N/A
Specific Gravity (H₂O = 1)	N/A
Flash Point (F)	N/A
Flammable Limits LEL (%)	N/A
Flammable Limits UEL (%)	N/A
Vapor Pressure (mm Hg)	N/A
Percent Volatile by vol (%)	N/A
Vapor Density (Air = 1)	N/A

Evaporation Rate (BuAc = 1)	N/A
Solubility in Water	Yes
Appearance	Colorless liquid

N/A = Not Available

10. Stability and Reactivity

Stability

Stable:	Stable
Incompatibles:	Dimethyl sulfate, Acid chloride, acids, halogenated solvents, metals, may react with lead or copper to produce explosive metal azides.
Conditions to Avoid:	Incompatibles

Hazardous Polymerization

Hazardous polymerization will not occur.

Hazardous Decomposition

Decomposition products are not known.

11. Toxicological Information

Oral Rat LD50	N/A
Inhalation Rat LD50	N/A
Skin Rabbit LD50	N/A

12. Ecological Considerations

No data available.

13. Disposal Considerations

Contact a licensed professional waste disposal company for disposal of this material. Observe all federal, state, and local environmental regulations.

14. Transportation Information

DOT

Proper Shipping Name: None
This substance is considered non-hazardous for transport.

IATA

Proper Shipping Name: None
This substance is considered non-hazardous for transport.

15. Regulatory Information

Component	SARA TPQ (lbs)	SARA DeMininis (%)	CERCLA RQ (lbs)
Sodium Azide	500	1	1000

If there is no information listed on the regulatory information chart, this indicates that the chemical is not covered by the specific regulation listed.

16. Other Information

Comments

None

NFPA Hazard Ratings

Health N/A
Flammability N/A
Reactivity N/A
Special Hazards N/A

N/A = Not Available
N/E = None Established

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