

## MATERIAL SAFETY DATA SHEET

### SECTION 1 IDENTIFICATION OF THE SUBSTANCE/ MIXTURE AND OF THE COMPANY/UNDERTAKING

- 1.1 **Product Code:** 1601 Buffer  
**Product Name:** Chase Buffer
- 1.2 Chase Buffer for Product Code 1601 Leishmania Rapydtest used in hospitals and laboratories to detect Leishmaniasis.
- 1.3 Apacor Limited, Unit 5 Sapphire Centre, Fishponds Road, Wokingham, Berkshire, RG41 2QL, England +44 (0) 118 979 5566, [technical@apacor.com](mailto:technical@apacor.com)
- 1.4 Emergency Contact Number: +44 (0)118 979 5566 (Monday-Friday 0900-1700 excluding UK Public Holidays)

### SECTION 2 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.

### SECTION 3 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

### SECTION 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.

### SECTION 5 FIRE FIGHTING MEASURES

**Extinguishing Media:** Use water spray, foam, dry chemical, or CO<sub>2</sub>.

**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.

### SECTION 6 ACCIDENTAL RELEASE MEASURES

**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.

**Cleaning up Methods:** 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.

### SECTION 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.

## SECTION 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

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

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.

## SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Boiling Point (C 760 mmHg) N/A

Melting Point (C) N/A

Specific Gravity (H<sub>2</sub>O = 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

## SECTION 10 STABILITY AND REACTIVITY

### Stability

**Stability:** 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.

## SECTION 11 TOXICOLOGICAL INFORMATION

Oral Rat LD50 N/A

Inhalation Rat LD50 N/A

Skin Rabbit LD50 N/A

## SECTION 12 ECOLOGICAL CONSIDERATIONS

No data available.

## SECTION 13 DISPOSAL CONSIDERATIONS

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

## SECTION 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.

## SECTION 15 REGULATORY INFORMATION

Component	SARA TPQ (lbs)	SARA De Minimis (%)	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.

## SECTION 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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