

SAFETY DATA SHEET

Last Updated: 5/9/2025

Section 1: Identification

Product Name: Bartovation SCC Buffer Solution, 5 mL/Dropper Bottle

Part Number: AT03-BS

Chemical Name/Synonyms: Not Applicable

Recommended use of the chemical and restrictions on use: Only for use in conjunction with the Bartovation SCC Cow's Milk Test Kit for Subclinical Mastitis Screening

Name, address, and telephone number of the manufacturer:

Bartovation LLC
2483 47th St
Astoria, NY 11103
Phone: +1 707-255-2029

In emergency call 911.

Section 2: Hazard(s) Identification

GHS - Classification

Acute Toxicity

Oral (Category 5)

Skin (Category 5)

GHS Label elements, including precautionary statements

Signal Word Warning

Hazard statements)

H303 - May be harmful if swallowed.

H313 - May be harmful in contact with skin.

Sodium azide may react with lead and copper plumbing to form highly explosive metal azides.

Precautionary statement(s)

P301 + P312 - IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell.

P302 + P312 - IF ON SKIN: Call a POISON CENTER/doctor if you feel unwell.

HMIS Rating

Health: 0

Flammability: 0

Reactivity: 1

NFPA Rating

Health: 0

Flammability: 0

Reactivity: 1

Section 3: Composition/ Information on Ingredients			
Chemical Name	Synonym	CAS#	Conc.
Water		7732-18-5	99.97% - 99.98%
Tris (hydroxymethyl) aminomethane free base		77-86-1	< 0.2%
Sodium Azide		26628-22-8	0.1%
Section 4: First-Aid Measures			
Description of first aid measures General advice Consult a physician. Show this safety data sheet to the doctor in attendance. If swallowed Rinse mouth with water provided person is conscious. Consult a physician. In case of skin contact Wash off with soap and plenty of water. Consult a physician. In case of eye contact Rinse thoroughly with plenty of water for at least 15 minutes. Consult a physician.			
Section 5: Fire-Fighting Measures			
Explosion Hazards Azide reacts with many heavy metals such as lead, copper, mercury, silver, and gold to form explosive compounds. Copper and lead azides are more sensitive than nitroglycerine. Azide reacts with metal halides to give a range of metal azide halides, many of which are explosive. Incompatible with chromyl chloride, b, hydrazine, bromine, carbon disulfide, dimethyl sulfate, and dibromomalonitrile. Suitable extinguishing media Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide. Special hazards arising from the substance or mixture Carbon oxides, nitrogen oxides (NOx) Advice for firefighters Wear self contained breathing apparatus for fire fighting if necessary.			
Section 6: Accidental Release Measures			
Personal precautions Avoid contact with skin, eyes, and clothing. Use Personal Protective Equipment. Methods for Cleaning Up Soak up with inert absorbent material. Environmental precautions Prevent further leakage or spillage if safe to do so. Prevent product from entering drains. See Section 12 for additional information.			
Section 7: Handling and Storage			
Handling Always wear recommended Personal Protective Equipment. No special handling advice required. Storage Keep tightly closed. Store at ambient or refrigerated temperatures. Do not freeze.			

Section 8: Exposure Controls/Personal Protection

Exposure limits

Chemical Name	OSHA PEL	OSHA PEL (ceiling)	ACGIH OEL (TWA)	ACGIH OEL (STEL)
Tris	none	none	none	none
Sodium Azide	none	none	none	none

Exposure controls

Appropriate engineering controls

Handle in accordance with good industrial hygiene and safety practices. Wash hands before breaks and at the end of the workday.

Personal protective equipment

Personal Protective Equipment requirements are dependent on the user institution's risk assessment and are specific to the risk assessment for each laboratory where this material may be used.

Respiratory protection: In case of insufficient ventilation wear suitable respiratory equipment.

Hand protection: Impervious gloves.

Eye protection: Safety glasses with side-shields.

General Hygiene Measures

Wash thoroughly after handling. Wash contaminated clothing before reuse.

Environmental exposure controls

Prevent product from entering drains. Do not allow material to contaminate ground water system.

Section 9: Physical and Chemical Properties

Form: Liquid

Odor: no data available

Odor threshold: no data available

pH: 9.6 - 9.8

Melting point/melting range: no data available

Boiling point/boiling range: no data available

Flash point: no data available

Evaporation rate: no data available

Flammability: no data available

Upper/lower flammability or explosive limits: no data available

Auto ignition temperature: no data available

Danger of explosion: no data available

Vapor pressure: no data available

Vapor density: no data available

Relative density: no data available

Solubility in/Miscibility with water: no data available

Section 10: Stability and Reactivity

Stability

Stable under recommended storage conditions.

Materials to Avoid

Sodium azide may react with lead and copper plumbing to form highly explosive metal azides.

Hazardous Decomposition Products

Nitrogen oxides, Carbon monoxide, Carbon dioxide

Hazardous Polymerization

None under normal processing

Section 11: Toxicological Information**Route of Exposure**

Skin Contact: May cause skin irritation.

Skin Absorption: May be harmful if absorbed through the skin.

Eye Contact: May cause eye irritation.

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

Ingestion: May be harmful if swallowed.

Signs and Symptoms of Exposure

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated. Laboratory experiments in animals have shown sodium azide to produce a profound hypotensive effect, demyelination of myelinated nerve fibers in the central nervous system, testicular damage, blindness, attacks of rigidity, and hepatic and cerebral effects. Many azides cause a fall in blood pressure and some inhibit enzyme action.

Section 12: Ecological Information (non-mandatory)

No data available

Section 13: Disposal Considerations (non-mandatory)**Appropriate Method of Disposal of Substance or Preparation**

Contact a licensed professional waste disposal service to dispose of this material. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber. Observe all federal, state, and local environmental regulations.

Section 14: Transport Information (non-mandatory)**DOT**

Proper Shipping Name: None

This substance is considered to be non-hazardous for transport.

IMDG

Not dangerous for transport.

IATA

Proper shipping name: Not classified as dangerous in the meaning of transport regulations

Hazard class: None

Subsidiary class: None

UN-No: None

Packing group: None

The goods are not regulated for transport by IATA.

Section 15: Regulatory Information (non-mandatory)**SARA 302 Components**

SARA 302: No chemicals in this product are subject to the reporting requirements of SARA

Title III, Section 302.

SARA 313 Components

SARA 313: This product does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

SARA 311/312 Hazards

SARA 311/312: Chemical components with known CAS numbers are below reportable levels.

Massachusetts Right To Know Components: Listed

Pennsylvania Right To Know Components: Listed

Rhode Island Right To Know Components: Listed

California Prop. 65 Components

This product does not contain any chemicals known to the State of California to cause cancer, birth defects, or any other reproductive harm.

Canada Regulatory Information

WHMIS Classification: This product has been classified in accordance with the hazard criteria of the CPR, and the SDS contains all the information required by the CPR.

DSL: No

NDSL: No

Section 16: Other Information

Disclaimer

Only for use in conjunction with the Bartovation SCC Cow's Milk Test Kit for Subclinical Mastitis Screening. Not for drug, household or other uses.

Further Information

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product.

Bartovation LLC shall not be held liable for any damage resulting from handling or from contact with the above product.