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SAFETY DATA SHEET

Classified in accordance with Health Canada Hazardous Products Regulations
(SOR/2015-17)

1. Identification

Product identifier

Product No.:	Product name:	Common name(s), synonym(s)
211825	Bottle Bacto TSB Casein Med 500G	No data available

Recommended use of the chemical and restrictions on use

Recommended use: Laboratory Chemicals
Restrictions on use: None known.

Manufacturer/Importer/Distributor Information

Manufacturer

Company Name: BD, Integrated Diagnostic Solutions
Address: 7 Loveton Circle
Sparks, MD 21152
USA

Telephone: 1 844 823 5433
Fax: not available
Contact Person: Business Unit Product Stewardship Team
E-mail: IDS_SDS@bd.com

Emergency telephone number: CHEMTREC 1 800 424 9300

2. Hazard identification

According to Hazardous Products Regulations

Not classified

Label Elements

Hazard Symbol: No symbol

Signal Word: No signal word.

Hazard Statement: Not applicable
Precautionary Statements Not applicable

Hazard(s) not otherwise classified None.



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(HNOC):

3. Composition/information on ingredients

Mixtures

Chemical Identity	Common name and synonyms	CAS number	Content in percent (%)*
Sulfurous acid, sodium salt (1:1)	No data available.	7631-90-5	0 - 0.1%

* All concentrations are percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

The exact concentration has been withheld as a trade secret.

4. First-aid measures

Description of first aid measures

General information:	Get medical attention if symptoms occur.
Inhalation:	Provide fresh air, warmth and rest, preferably in comfortable upright sitting position.
Skin Contact:	Wash contact areas with soap and water. Remove contaminated clothing. Launder contaminated clothing before reuse.
Eye contact:	Flush thoroughly with water. If irritation occurs, get medical assistance.
Ingestion:	Get medical attention if symptoms occur.
Personal Protection for First-aid Responders:	No data available.

Most important symptoms and effects, both acute and delayed

Symptoms:	No specific symptoms noted.
Hazards:	No data available.

Indication of immediate medical attention and special treatment needed

Treatment:	IF exposed or concerned: Get medical advice/attention.
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5. Fire-fighting measures

General Fire Hazards:	Extinguish all ignition sources. Avoid sparks, flames, heat and smoking. Ventilate. Use water spray to keep fire-exposed containers cool.
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Suitable (and unsuitable) extinguishing media

Suitable extinguishing media:	Water spray, foam, dry powder or carbon dioxide. Use fire-extinguishing media appropriate for surrounding materials.
Unsuitable extinguishing media:	Avoid water in straight hose stream; will scatter and spread fire.
Special hazards arising from the substance or mixture:	None known.

Special protective equipment and precautions for fire-fighters

Special fire-fighting procedures:	No unusual fire or explosion hazards noted.
Special protective equipment for fire-fighters:	Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures:	No special precautionary health measures should be needed under anticipated conditions of use.
Accidental release measures:	No data available.
Methods and material for containment and cleaning up:	No specific clean-up procedure noted.
Environmental Precautions:	Avoid release to the environment.

7. Handling and storage

Handling

Technical measures:	No data available.
Local/Total ventilation:	No data available.
Safe handling advice:	When using do not eat, drink or smoke. Read and follow manufacturer's recommendations. Use personal protective equipment as required.
Contact avoidance measures:	No data available.

Storage



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Safe storage conditions: Store in a cool, dry place. Keep container tightly closed.

Safe packaging materials: No data available.

8. Exposure controls/personal protection

Control Parameters

Occupational Exposure Limits

Components	Type	Exposure Limit Values		Source
Sulfurous acid, sodium salt (1:1)	TWA		5 mg/m ³	CAD AB OEL
Sulfurous acid, sodium salt (1:1)	TWA		5 mg/m ³	CAD BC OEL
Sulfurous acid, sodium salt (1:1)			5 mg/m ³	CAD MB OEL
Sulfurous acid, sodium salt (1:1)	TWA		5 mg/m ³	CAD ON OEL
Sulfurous acid, sodium salt (1:1)	15 MIN ACL		10 mg/m ³	CAD SK OEL
Sulfurous acid, sodium salt (1:1)	TWA		5 mg/m ³	OEL (QUE)
Sulfurous acid, sodium salt (1:1)	TWA		5 mg/m ³	ACGIH
Sulfurous acid, sodium salt (1:1)	REL		5 mg/m ³	NIOSH

Please refer to the latest edition of the appropriate source text and consult an industrial hygienist or similar professional, or local agencies, for further information.

Biological Limit Values

No biological exposure limits noted for the ingredient(s).

Appropriate Engineering Controls

No special requirements under ordinary conditions of use and with adequate ventilation.

Individual protection measures, such as personal protective equipment

Eye/face protection: Wear safety glasses with side shields (or goggles).

Hand Protection: Material: Chemical resistant gloves

Other: Wear a lab coat or similar protective clothing.

Respiratory Protection: Respiratory protection not required.

Hygiene measures: Observe good industrial hygiene practices.



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9. Physical and chemical properties

Information on basic physical and chemical properties

Appearance

Physical state:	solid
Form:	solid
Color:	According to product specification.

Odor: Characteristic

Odor Threshold: No data available.

Melting Point: No data available.

Boiling Point: No data available.

Flammability: No data available.

Upper/lower limit on flammability or explosive limits

Explosive limit - upper: No data available.

Explosive limit - lower: No data available.

Flash Point: Not applicable

Auto-ignition temperature: No data available.

Decomposition Temperature: No data available.

pH: No data available.

Viscosity

Dynamic viscosity: Not determined.

Kinematic viscosity: Not determined.

Flow Time: No data available.

Solubility(ies)

Solubility in Water: Completely Soluble

Solubility (other): No data available.

Partition coefficient (n-octanol/water): No data available.

Vapor pressure: No data available.

Relative density: No data available.

Density: No data available.

Bulk density: No data available.

Vapor density (air=1): No data available.

Particle characteristics

Particle Size: No data available.



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Particle Size Distribution:	No data available.
Specific surface area:	No data available.
Surface charge/Zeta potential:	No data available.
Shape:	No data available.
Crystallinity:	No data available.
Surface treatment:	No data available.
Other information	
Metal Corrosion:	Non-corrosive per US Department of Transportation testing protocol.

10. Stability and reactivity

Reactivity:	Material is stable under normal conditions.
Chemical Stability:	Material is stable under normal conditions.
Possibility of hazardous reactions:	Not known.
Conditions to avoid:	Avoid exposure to high temperatures or direct sunlight.
Incompatible Materials:	Strong oxidizers.
Hazardous Decomposition Products:	Not known.

11. Toxicological information

General information:	No information about adverse effects due to exposure.
Information on likely routes of exposure	
Inhalation:	Under normal conditions of intended use, this material is not expected to be an inhalation hazard.
Skin Contact:	Negligible irritation to skin at ambient temperatures.
Eye contact:	Do not get in eyes.
Ingestion:	In the event of inhalation (ingestion), seek medical attention immediately
Symptoms related to the physical, chemical and toxicological characteristics	
Inhalation:	No data available.
Skin Contact:	No data available.
Eye contact:	No data available.



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Ingestion: No data available.

Acute toxicity (list all possible routes of exposure)

Oral

Product: No data available.

Components:
Sulfurous acid, sodium salt (1:1) No data available.

Dermal

Product: No data available.

Components:
Sulfurous acid, sodium salt (1:1) No data available.

Inhalation

Product: No data available.

Components:
Sulfurous acid, sodium salt (1:1) No data available.

Repeated dose toxicity

Product: No data available.

Components:
Sulfurous acid, sodium salt (1:1) No data available.

Skin Corrosion/Irritation

Product: No data available.

Components:
Sulfurous acid, sodium salt (1:1) No data available.

Serious Eye Damage/Eye Irritation

Product: No data available.

Components:
Sulfurous acid, sodium salt (1:1) No data available.

Respiratory or Skin Sensitization

Product: No data available.

Components:
Sulfurous acid, sodium salt (1:1) No data available.

Carcinogenicity

Product: No data available.

Components:
Sulfurous acid, sodium salt (1:1) No data available.



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IARC Monographs on the Evaluation of Carcinogenic Risks to Humans:

No carcinogens present or none present in regulated quantities

ACGIH: US.ACGIH Threshold Limit Values:

No carcinogens present or none present in regulated quantities

US. National Toxicology Program (NTP) Report on Carcinogens:

No carcinogens present or none present in regulated quantities

Canada. Alberta OELs (Occupational Health & Safety Code, Schedule 1, Table 2), as amended

No carcinogens present or none present in regulated quantities

Canada. Manitoba OELs (Reg. 217/2006, The Workplace Safety And Health Act), as amended

No carcinogens present or none present in regulated quantities

Canada. Quebec OELs. (Ministry of Labor - Regulation respecting occupational health and safety), as amended

No carcinogens present or none present in regulated quantities

Germ Cell Mutagenicity

In vitro

Product: No data available.

Components:
Sulfurous acid, sodium salt (1:1) No data available.

In vivo

Product: No data available.

Components:
Sulfurous acid, sodium salt (1:1) No data available.

Reproductive toxicity

Product: No data available.

Components:
Sulfurous acid, sodium salt (1:1) No data available.

Specific Target Organ Toxicity - Single Exposure

Product: No data available.

Components:
Sulfurous acid, sodium salt (1:1) No data available.

Specific Target Organ Toxicity - Repeated Exposure

Product: No data available.

Components:
Sulfurous acid, sodium salt (1:1) No data available.

Aspiration Hazard



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Product: No data available.
Components:
Sulfurous acid, sodium salt (1:1) No data available.

Information on health hazards

Other hazards
Product: No data available.

12. Ecological information

General information: This material has not been tested for environmental effects.

Ecotoxicity:

Toxicity to Aquatic Plants

Product: No data available.
Components:
Sulfurous acid, sodium salt (1:1) No data available.

Toxicity to microorganisms

Product: No data available.
Components:
Sulfurous acid, sodium salt (1:1) No data available.

Acute hazards to the aquatic environment:

Fish

Product: No data available.
Components:
Sulfurous acid, sodium salt (1:1) LC 50, Oncorhynchus mykiss, 96 h, 177.8 mg/lStatic, Read-across from supporting substance (structural analogue or surrogate), Supporting study
LC 50, Oncorhynchus mykiss, 96 h, 147 - 215 mg/lStatic, Read-across from supporting substance (structural analogue or surrogate), Supporting study
LC 50, Danio rerio, 96 h, 464 - 1,000 mg/lStatic, Read-across from supporting substance (structural analogue or surrogate), Supporting study
NOAEL, Danio rerio, 96 h, 215 mg/lStatic, Read-across from supporting substance (structural analogue or surrogate), Supporting study
NOAEL, Leuciscus idus, 96 h, 215 mg/lStatic, Read-across from supporting substance (structural analogue or surrogate), Supporting study

Aquatic Invertebrates

Product: No data available.
Components:
Sulfurous acid, sodium salt (1:1) No data available.



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salt (1:1)

Chronic hazards to the aquatic environment:

Fish

Product: No data available.

Components:
Sulfurous acid, sodium salt (1:1) No data available.

Aquatic Invertebrates

Product: No data available.

Components:
Sulfurous acid, sodium salt (1:1) No data available.

Persistence and Degradability

Biodegradation

Product: No data available.

Components:
Sulfurous acid, sodium salt (1:1) No data available.

BOD/COD Ratio

Product: No data available.

Components:
Sulfurous acid, sodium salt (1:1) No data available.

Bioaccumulative potential

Bioconcentration Factor (BCF)

Product: No data available.

Components:
Sulfurous acid, sodium salt (1:1) No data available.

Partition Coefficient n-octanol / water (log Kow)

Product: , No data available.

Components:
Sulfurous acid, sodium salt (1:1) No data available.

Mobility in soil:

Product: No data available.

Components:



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Sulfurous acid, sodium salt No data available.
(1:1)

Results of PBT and vPvB assessment:

Product: No data available.
Components:
Sulfurous acid, sodium salt No data available.
(1:1)

Other adverse effects:

Other hazards

Product: The dangerous properties of the product cannot be evaluated from the available data. Avoid release to the environment.

13. Disposal considerations

General information: Dispose of waste and residues in accordance with local authority requirements. The solid and liquid waste should be handled according to their nature and degree of hazardness.

Disposal methods: Dispose of waste and residues in accordance with local authority requirements.

Contaminated Packaging: Dispose of contents/container to an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.

14. Transport information

Environmental Hazards
Marine Pollutant: No

IATA
Not Regulated.

IMDG
Not Regulated.

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code
Not applicable for product as supplied.

15. Regulatory information



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Canada Federal Regulations

List of Toxic Substances (CEPA, Schedule 1)

Not Regulated

Export Control List (CEPA 1999, Schedule 3)

Not Regulated

National Pollutant Release Inventory (NPRI)

Canada. National Pollutant Release Inventory (NPRI) Substances, Part 5, VOCs with Additional Reporting Requirements

NPRI PT5 Not Regulated

Canada. National Pollutant Release Inventory (NPRI) (Schedule 1, Parts 1-4)

NPRI Not Regulated

Greenhouse Gases

Not Regulated

Canada. Substances Subject to Significant New Activity (SNAc) Reporting Requirements

Not Regulated

Controlled Drugs and Substances Act

CA CDSI	Not Regulated
CA CDSII	Not Regulated
CA CDSIII	Not Regulated
CA CDSIV	Not Regulated
CA CDSV	Not Regulated
CA CDSVII	Not Regulated
CA CDSVIII	Not Regulated

Precursor Control Regulations

Not Regulated

16. Other information, including date of preparation or last revision
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Date of first report version: 04/18/2014

Generation date: 02/18/2025

Version #: 2.3

Abbreviations and acronyms:

SDS_CA



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Version: 2.3
Last revised date: 02/18/2025

ACGIH:	US. ACGIH Threshold Limit Values, as amended
CAD AB OEL:	Canada. Alberta OELs (Occupational Health & Safety Code, Schedule 1, Table 2), as amended
CAD BC OEL:	Canada. British Columbia OELs: Table of Exposure Limits for Chemical Biological Substances (Workers Compensation Board); as amended
CAD MB OEL:	Canada. Manitoba OELs (Reg. 217/2006, The Workplace Safety And Health Act), as amended
CAD ON OEL:	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents), as amended
CAD SK OEL:	Canada. Saskatchewan OELs (Occupational Health and Safety Regulations, 1996, Table 21), as amended
NIOSH/GUIDE:	US. NIOSH: Pocket Guide to Chemical Hazards, as amended
OEL (QUE):	Canada. Quebec OELs. (Ministry of Labor - Regulation respecting occupational health and safety), as amended
ACGIH / TWA:	Time Weighted Average (TWA):
CAD AB OEL / TWA:	Time Weighted Average (TWA):
CAD BC OEL / TWA:	Time Weighted Average (TWA):
CAD MB OEL / TWA:	Time Weighted Average (TWA):
CAD ON OEL / TWA:	Time Weighted Average (TWA):
CAD SK OEL / 15 MIN ACL:	15 minute average contamination limit:
NIOSH/GUIDE / REL:	Recommended exposure limit (REL):
OEL (QUE) / TWA:	Time Weighted Average (TWA):

AIIC - Australian Inventory of Industrial Chemicals; ASTM - American Society for the Testing of Materials; bw - Body weight; CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DOT - Department of Transportation; DSL - Domestic Substances List (Canada); ECx - Concentration associated with x% response; EHS - Extremely Hazardous Substance; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; ERG - Emergency Response Guide; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; HMIS - Hazardous Materials Identification System; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; MSHA - Mine Safety and Health Administration; n.o.s. - Not Otherwise Specified; NFPA - National Fire Protection Association; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NTP - National Toxicology Program; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; RCRA - Resource Conservation and Recovery Act; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RQ - Reportable Quantity; SADT - Self-Accelerating Decomposition Temperature; SARA - Superfund Amendments and Reauthorization Act; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; TECI - Thailand Existing Chemicals Inventory; TSCA - Toxic



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Substances Control Act (United States); UN - United Nations; UNRTDG - United Nations
Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very
Bioaccumulative

Source of information: European Chemicals Agency (ECHA): Information on Chemicals.

Further Information: No data available.

Disclaimer: Disclaimer:
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