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SAFETY DATA SHEET

Classified in accordance 29 CFR 1910.1200

1. Identification

Product identifier

Product No.:	Product name:	Common name(s), synonym(s)
212750	Bottle Yeast Extract 500g	No data available

Recommended restrictions

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(s) identification

Hazard Classification

Not classified

Label Elements

Hazard Symbol:	No symbol
Signal Word:	No signal word.
Hazard Statement:	Not applicable
Precautionary Statements	Not applicable

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Other hazards which do not result in GHS classification: None.

3. Composition/information on ingredients

Mixtures

Chemical Identity	Common name and synonyms	CAS number	Content in percent (%)*
Disulfurous acid, sodium salt (1:2)	No data available.	7681-57-4	0.248%

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

4. First-aid measures

Description of necessary 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 data available.

Hazards: No data available.

Indication of immediate medical attention and special treatment needed

Treatment: No data available.

5. Fire-fighting measures

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

Suitable (and unsuitable) extinguishing media

Suitable extinguishing media:	Water spray, fog, CO2, dry chemical, or alcohol resistant foam.
Unsuitable extinguishing media:	None known.
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 (e.g. Local and general ventilation):	No special requirements under ordinary conditions of use and with adequate ventilation.
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

Chemical Identity	Type	Exposure Limit Values	Source
Disulfurous acid, sodium salt (1:2)	TWA	5 mg/m3	US. OSHA Table Z-1-A (29 CFR 1910.1000), as amended
	TWA	5 mg/m3	US. Tennessee. OELs. Occupational Exposure Limits, Table Z1A, as amended
Disulfurous acid, sodium salt (1:2) - Particulate.	AN ESL	5 µg/m3	US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality), as amended
	ST ESL	50 µg/m3	US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality), as amended
Disulfurous acid, sodium salt (1:2)	TWA PEL	5 mg/m3	US. California Code of Regulations, Title 8, Section 5155. Airborne Contaminants, as amended
	TWA	5 mg/m3	US. ACGIH Threshold Limit Values, as amended
	REL	5 mg/m3	US. NIOSH: Pocket Guide to Chemical Hazards, as amended

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).

Skin Protection
Hand Protection: Material: Chemical resistant gloves

Skin and Body Protection: Wear a lab coat or similar protective clothing.

Respiratory Protection: Respiratory protection not required.

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Hygiene measures: Observe good industrial hygiene practices.

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
Self 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.
Particle Size Distribution:	No data available.

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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

Information on toxicological effects

Inhalation:	No data available.
Skin Contact:	No data available.
Eye contact:	No data available.
Ingestion:	No data available.

Information on likely routes of exposure

Acute toxicity (list all possible routes of exposure)

Oral

Product: Not classified for acute toxicity based on available data.
Components:

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Disulfurous acid, sodium salt (1:2)	No data available.

Dermal

Product:	Not classified for acute toxicity based on available data.
Components:	
Disulfurous acid, sodium salt (1:2)	No data available.

Inhalation

Product:	Not classified for acute toxicity based on available data.
Components:	
Disulfurous acid, sodium salt (1:2)	No data available.

Repeated dose toxicity

Product:	No data available.
Components:	
Disulfurous acid, sodium salt (1:2)	No data available.

Skin Corrosion/Irritation

Product:	No data available.
Components:	
Disulfurous acid, sodium salt (1:2)	No data available.

Serious Eye Damage/Eye Irritation

Product:	No data available.
Components:	
Disulfurous acid, sodium salt (1:2)	Category 1 in vivo Rabbit, 24 - 72 hrs: EU Category 1 in vivo Rabbit, 24 - 72 hrs: EU Category 1 in vivo Rabbit, 24 - 72 hrs: EU Category 1 in vivo Rabbit, 24 - 72 hrs: EU Category 1 in vivo Rabbit, 24 - 72 hrs: EU Category 1 in vivo Rabbit, 24 - 72 hrs: EU

Respiratory or Skin Sensitization

Product:	No data available.
Components:	
Disulfurous acid, sodium salt (1:2)	No data available.

Carcinogenicity

Product:	No data available.
Components:	
Disulfurous acid, sodium salt (1:2)	No data available.

IARC Monographs on the Evaluation of Carcinogenic Risks to Humans:
No carcinogens present or none present in regulated quantities

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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

US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050), as amended:
No carcinogens present or none present in regulated quantities

Germ Cell Mutagenicity

In vitro

Product:	No data available.
Components:	
Disulfurous acid, sodium salt (1:2)	No data available.

In vivo

Product:	No data available.
Components:	
Disulfurous acid, sodium salt (1:2)	No data available.

Reproductive toxicity

Product:	No data available.
Components:	
Disulfurous acid, sodium salt (1:2)	No data available.

Specific Target Organ Toxicity - Single Exposure

Product:	No data available.
Components:	
Disulfurous acid, sodium salt (1:2)	No data available.

Specific Target Organ Toxicity - Repeated Exposure

Product:	No data available.
Components:	
Disulfurous acid, sodium salt (1:2)	No data available.

Aspiration Hazard

Product:	No data available.
Components:	
Disulfurous acid, sodium salt (1:2)	No data available.

Information on health hazards

Other hazards

Product:	No data available.

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12. Ecological information

Ecotoxicity:

Acute hazards to the aquatic environment:

Fish

Product:	No data available.
Components:	
Disulfurous acid, sodium salt (1:2)	LC 50 (Leuciscus idus, 96 h): 316 mg/l Read-across from supporting substance (structural analogue or surrogate), Supporting study NOAEL (Danio rerio, 96 h): 215 mg/l Read-across from supporting substance (structural analogue or surrogate), Supporting study LC 50 (Leuciscus idus, 96 h): > 215 - < 464 mg/l Read-across from supporting substance (structural analogue or surrogate), Key study NOAEL (Leuciscus idus, 96 h): 215 mg/l Read-across from supporting substance (structural analogue or surrogate), Supporting study LC 50 (Danio rerio, 96 h): 464 - 1,000 mg/l Read-across from supporting substance (structural analogue or surrogate), Supporting study

Aquatic Invertebrates

Product:	No data available.
Components:	
Disulfurous acid, sodium salt (1:2)	No data available.

Toxicity to Aquatic Plants

Product:	No data available.
Components:	
Disulfurous acid, sodium salt (1:2)	No data available.

Toxicity to microorganisms

Product:	No data available.
Components:	
Disulfurous acid, sodium salt (1:2)	No data available.

Chronic hazards to the aquatic environment:

Fish

Product:	No data available.
Components:	
Disulfurous acid, sodium salt (1:2)	No data available.

Aquatic Invertebrates

Product:	No data available.
Components:	
Disulfurous acid, sodium salt (1:2)	No data available.

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Toxicity to Aquatic Plants

Product:	No data available.
Components:	
Disulfurous acid, sodium salt (1:2)	No data available.

Toxicity to microorganisms

Product:	No data available.
Components:	
Disulfurous acid, sodium salt (1:2)	No data available.

Persistence and Degradability

Biodegradation

Product:	No data available.
Components:	
Disulfurous acid, sodium salt (1:2)	No data available.

BOD/COD Ratio

Product:	No data available.
Components:	
Disulfurous acid, sodium salt (1:2)	No data available.

Bioaccumulative potential

Bioconcentration Factor (BCF)

Product:	No data available.
Components:	
Disulfurous acid, sodium salt (1:2)	No data available.

Partition Coefficient n-octanol / water (log Kow)

Product:	No data available.
Components:	
Disulfurous acid, sodium salt (1:2)	No data available.

Mobility in soil:

Product	No data available.
Components:	
Disulfurous acid, sodium salt (1:2)	No data available.

Results of PBT and vPvB assessment:

Product	No data available.

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Components:

Disulfurous acid, sodium salt (1:2)	No data available.

Other adverse effects:

Other hazards

Product: No data available.

13. Disposal considerations

General information: Dispose of waste and residues in accordance with local authority requirements.

Disposal methods: No specific disposal method required.

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

Special precautions for user: Not regulated.

Special precautions for user: Not regulated.

Special precautions for user: Not regulated.

15. Regulatory information

US Federal Regulations

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)
None present or none present in regulated quantities.

US. Toxic Substances Control Act (TSCA) Section 5(a)(2) Final Significant New Use Rules (SNURs) (40 CFR 721, Subpt E)
None present or none present in regulated quantities.

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US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050), as amended
None present or none present in regulated quantities.

CERCLA Hazardous Substance List (40 CFR 302.4):
None present or none present in regulated quantities.

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories
Not classified

US. EPCRA (SARA Title III) Section 304 Extremely Hazardous Substances Reporting Quantities and the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) Hazardous Substances
None present or none present in regulated quantities.

US. EPCRA (SARA Title III Section 313 Toxic Chemical Release Inventory (TRI) Reporting
None present or none present in regulated quantities.

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130):
None present or none present in regulated quantities.

Clean Water Act Section 311 Hazardous Substances (40 CFR 117.3)
None present or none present in regulated quantities.

US State Regulations

US. California Proposition 65
No ingredient requiring a warning under CA Prop 65.

US. New Jersey Worker and Community Right-to-Know Act
No ingredient regulated by NJ Right-to-Know Law present.

US. Massachusetts RTK - Substance List
No ingredient regulated by MA Right-to-Know Law present.

US. Pennsylvania RTK - Hazardous Substances
No ingredient regulated by PA Right-to-Know Law present.

US. Rhode Island RTK
No ingredient regulated by RI Right-to-Know Law present.

International regulations

Montreal protocol
Not applicable

Stockholm convention
Not applicable

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Rotterdam convention
Not applicable

Kyoto protocol
Not applicable

16.Other information, including date of preparation or last revision

Issue Date:	08/10/2022
Version #:	2.2
Source of information:	European Chemicals Agency (ECHA): Information on Chemicals.
Further Information:	No data available.
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