

SAFETY DATA SHEET

1. Identification		
Product identifier	1	
Product No.:	Product name: Common name(s), synonym(s)	
225650	Bottle Fluid Thioglycollate Med 500G	
Other means of identification		
SDS number:	088100176448	
Recommended use and restri	ction on use	
Recommended use: Labora Restrictions on use: None k		
Manufacturer/Importer/Suppl	ier/Distributor Information	
Manufacturer		
Company Name:	BD Diagnostic Systems	
Address:	7 Loveton Circle	
	21152 Sparks, MD USA	
Telephone:	1 410 771 0100 or 1 800 638 866	3
Fax:		
Contact Person:	Tech Services	
Emergency telephone	e number: ChemTrec 1 800 424 93	300
2. Hazard(s) identification		
Hazard Classification		
Not classified		
Label Elements		
Hazard Symbol:	Hazard Symbol: No symbol	
Signal Word:	No signal word.	
Hazard Statement: Precautionary Statements	Precautionary Not applicable	
Other hazards which do notNone.result in GHS classification:		

3. Composition/information on ingredients



Mixtures

Chemical Identity	Common name and synonyms	CAS number	Content in percent (%)*
SODIUM THIOGLYCOLATE		367-51-1	1.6569%
Sulfurous acid, sodium salt (1:1)		7631-90-5	0.232%

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

4. First-aid measures		
General information:	Get medical attention if symptoms occur.	
Ingestion:	Get medical attention immediately.	
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.	
Most important symptoms/effects, acute and delayed		
Symptoms:	No data available.	
Hazards:	Harmful if swallowed. May cause damage to organs through prolonged or repeated exposure.	
Indication of immediate medical attention and special treatment needed		
Treatment:	No data available.	
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.	
Suitable (and unsuitable) exting		
Suitable (and unsuitable) exting Suitable extinguishing media:		
Suitable extinguishing	uishing media	



Special protective equipment and precautions for firefighters

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 measure	S	
Personal precautions, protective equipment and emergency procedures:	No special precautionary health measures should be needed under anticipated conditions of use.	
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		
Precautions for safe handling:	When using do not eat, drink or smoke. Read and follow manufacturer's recommendations. Use personal protective equipment as required.	
Conditions for safe storage, including any incompatibilities:	Store in a cool, dry place. Keep container tightly closed.	

8. Exposure controls/personal protection

Control Parameters

Occupational Exposure Limits

Chemical Identity	Туре	Exposure Limit Values	Source
SODIUM THIOGLYCOLATE	TWA	1 ppm	US. ACGIH Threshold Limit Values, as amended (03 2018)
Sulfurous acid, sodium salt (1:1)	TWA	5 mg/m3	US. OSHA Table Z-1-A (29 CFR 1910.1000), as amended (1989)
	TWA	5 mg/m3	US. Tennessee. OELs. Occupational Exposure Limits, Table Z1A, as amended (06 2008)
Sulfurous acid, sodium salt (1:1) - Particulate.	AN ESL	5 µg/m3	US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality), as amended (07 2011)
	ST ESL	50 µg/m3	US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality), as amended (07 2011)
Sulfurous acid, sodium salt (1:1)	TWA PEL	5 mg/m3	US. California Code of Regulations, Title 8, Section 5155. Airborne Contaminants, as amended (08 2010)
	TWA	5 mg/m3	US. ACGIH Threshold Limit Values, as

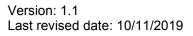


				amended (12 2010)
		REL	5 mg/m3	US. NIOSH: Pocket Guide to Chemical
			-	Hazards, as amended (2005)
	opriate Engineering ontrols	•	cial requirements under ordi ate ventilation.	nary conditions of use and with
Indiv	Individual protection measures, such as personal protective equipment			
	General information:	handlir wash v	Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing to remove contaminants. Discard contaminated footwear that cannot be cleaned.	
	Eye/face protection:	Wears	Wear safety glasses with side shields (or goggles).	
	Skin Protection Hand Protection:	Chemi	Chemical resistant gloves	
	Other:	Wear a	Wear a lab coat or similar protective clothing.	
	Respiratory Protection:	Respira	Respiratory protection not required.	
	Hygiene measures:	Observ	Observe good industrial hygiene practices.	

9. Physical and chemical properties

Appearance

Physical state:	solid
Form:	solid
Color:	According to product specification.
Odor:	Characteristic
Odor threshold:	No data available.
pH:	No data available.
Melting point/freezing point:	No data available.
Initial boiling point and boiling range:	No data available.
Flash Point:	Not applicable
Evaporation rate:	No data available.
Flammability (solid, gas):	No data available.
Upper/lower limit on flammability or explosi	ve limits
Flammability limit - upper (%):	No data available.
Flammability limit - lower (%):	No data available.
Explosive limit - upper (%):	No data available.
Explosive limit - lower (%):	No data available.
Vapor pressure:	No data available.
Vapor density:	No data available.
Relative density:	No data available.





Solubility(ies)	
Solubility in water:	Completely Soluble
Solubility (other):	No data available.
Partition coefficient (n-octanol/water):	No data available.
Auto-ignition temperature:	No data available.
Decomposition temperature:	No data available.
Viscosity:	Not determined.
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10. Stability and reactivity

Reactivity:	Stable under normal temperature conditions and recommended use.
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.

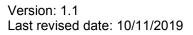
11. Toxicological information

General information:	No data on possible toxicity effects have been found.
Information on likely routes of exposure Ingestion: Harmful if swallowed.	
Inhalation:	Limited inhalation hazard at normal work temperatures.
Skin Contact:	Negligible irritation to skin at ambient temperatures.
Eye contact:	Do not get in eyes.
Symptoms related to the physica Ingestion:	al, chemical and toxicological characteristics No specific symptoms noted.
Inhalation:	No specific symptoms noted.
Skin Contact:	No specific symptoms noted.
Eye contact:	No specific symptoms noted.



Information on toxicological effects

Acute toxicity (list all possible routes of exposure)		
Oral Product:	ATEmix: 30,176.84 mg/kg	
Dermal Product:	No data available.	
Inhalation Product:	No data available.	
Repeated dose toxicity Product:	No data available.	
Specified substance(s): Sulfurous acid, sodium salt (1:1)	NOAEL (Rat, Oral, 1 - 2 yr): 0.05 %(m) Oral Experimental result, Supporting study NOAEL (Rat(Female), Oral, 8 Weeks): 70 mg/kg Oral Read-across from supporting substance (structural analogue or surrogate), Supporting study NOAEL (Rat(Female, Male), Oral, 10 - 730 d): 108 mg/kg Oral Read-across from supporting substance (structural analogue or surrogate), Supporting study NOAEL (Rat(Female, Male), Oral, 21 - 104 Weeks): 108 mg/kg Oral Read- across from supporting substance (structural analogue or surrogate), Key study NOAEL (Pig(Female, Male), Oral, 48 Weeks): 0.35 %(m) Oral Read-across from supporting substance (structural analogue or surrogate), Supporting study	
Skin Corrosion/Irritation Product:	No data available.	
Specified substance(s): Sulfurous acid, sodium salt (1:1)	in vivo (Rabbit): Not irritant Read-across from supporting substance (structural analogue or surrogate), Key study	
Serious Eye Damage/Eye Irritatio Product:	on No data available.	
Respiratory or Skin Sensitization Product:	n No data available.	
Carcinogenicity Product:	No data available.	





IARC Monographs on the Evaluation of Carcinogenic Risks to Humans: No carcinogenic components identified		
US. National Toxicology Program (NTP) Report on Carcinogens: No carcinogenic components identified		
US. OSHA Specifically Regulat No carcinogenic co	ed Substances (29 CFR 1910.1001-1050): mponents identified	
Germ Cell Mutagenicity		
In vitro Product:	No data available.	
In vivo Product:	No data available.	
Reproductive toxicity Product:	No data available.	
Specific Target Organ Toxicity Product:	- Single Exposure No data available.	
Specific Target Organ Toxicity Product:	- Repeated Exposure No data available.	
Aspiration Hazard Product:	No data available.	
Other effects:	None known.	
12. Ecological information		

Ecotoxicity:

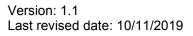
Acute hazards to the aquatic environment:

Fish Product:	No negative effects on the aquatic environment are known.
Aquatic Invertebrates Product:	No negative effects on the aquatic environment are known.

Chronic hazards to the aquatic environment:

Fish Product:

No negative effects on the aquatic environment are known.





Aquatic Invertebrates Product:	No negative effects on the aquatic environment are known.
Toxicity to Aquatic Plants Product:	No negative effects on the aquatic environment are known.
Persistence and Degradability	
Biodegradation Product:	Expected to be readily biodegradable.
BOD/COD Ratio Product:	No data available.
Bioaccumulative potential Bioconcentration Factor (BC Product:	F) No data available.
Partition Coefficient n-octanol / water (log Kow) Product: Log Kow: No data available.	
Mobility in soil:	No data available.
Known or predicted distribution to environmental compartments SODIUM No data available. THIOGLYCOLATE	
Sulfurous acid, sodium salt (1:1)	No data available.
Other adverse effects:	The product is not expected to be hazardous to the environment.
13. Disposal considerations	
General information:	Dispose of waste and residues in accordance with local authority requirements.
Disposal instructions:	No specific disposal method required.
Contaminated Packaging:	No data available.



14. Transport information

DOTUN Number: UN Proper Shipping Name: Transport Hazard Class(es) Class: Label(s): Packing Group: Marine Pollutant: Limited quantity Excepted quantity	Not regulated. Not regulated. Not regulated. Not regulated. Not regulated. Not regulated. Not regulated. Not regulated.	
Special precautions for user:	Not regulated.	
IMDG	Netropulated	
UN Number: UN Proper Shipping Name:	Not regulated. Not regulated.	
Transport Hazard Class(es)	Not regulated.	
Class:	Not regulated.	
Subsidiary risk:	Not regulated.	
EmS No.:	Not regulated.	
Packing Group: Environmental Hazards	Not regulated.	
Marine Pollutant:	Not regulated.	
Special precautions for user:	Not regulated.	
ΙΑΤΑ		
UN Number:	Not regulated.	
Proper Shipping Name:	Not regulated.	
Transport Hazard Class(es):	N <i>i i i i</i>	
Class:	Not regulated.	
Subsidiary risk:	Not regulated.	
Packing Group: Environmental Hazards	Not regulated.	
	Not regulated	
Marine pollutant:	Not regulated.	
Special precautions for user:	Not regulated.	
45 Degulaters information		

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



CERCLA Hazardous Substance List (40 CFR 302.4):

Chemical Identity	Reportable quantity	
Sulfurous acid, sodium	5000 lbs.	
salt (1:1)		

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories Not classified

SARA 302 Extremely Hazardous Substance None present or none present in regulated quantities.

SARA 304 Emergency Release Notification None present or none present in regulated quantities.

SARA 311/312 Hazardous Chemical **Threshold Planning Quantity Chemical Identity**

SARA 313 (TRI Reporting)

None present or none present in regulated quantities.

Clean Water Act Section 311 Hazardous Substances (40 CFR 117.3)

Chemical Identity

Reportable quantity Sulfurous acid, sodium Reportable quantity: 5000 lbs. salt (1:1)

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130): 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.

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



Issue Date:	10/11/2019
Version #:	1.1
Revision Information:	No data available.
Further Information:	No data available.
Disclaimer:	Disclaimer: The information contained herein has been obtained from various sources and is believed to be correct as of the date issued. However, neither BD nor any of its subsidiaries assumes any liabilities whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability for a particular use of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist. BD provides SDS in electronic form so the information may be more easily accessed. Due to the possibility of errors during transmission, BD makes no representations as to the completeness or accuracy of the information.