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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)
285420	BOTTLE CETRIMIDE AGAR BASE 500G	No data available

Other means of identification
SDS number: 088100176385

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: Tech Services

Emergency telephone number: CHEMTREC 1 800 424 9300

2. Hazard(s) identification

Hazard Classification

Environmental Hazards
Acute hazards to the aquatic environment Category 3

Label Elements



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Hazard Symbol: No symbol

Signal Word: No signal word.

Hazard Statement: H402: Harmful to aquatic life.

Precautionary Statements

Prevention: P273: Avoid release to the environment.

Disposal: P501: 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.

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 (%)*
1-Tetradecanaminium, N,N,N-trimethyl-, bromide (1:1)	No data available.	1119-97-7	0.4587%

* 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



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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:** Immediately flush with plenty of water for at least 15 minutes. If easy to do, remove contact lenses.
- Ingestion:** Call a physician or poison control center immediately. Only induce vomiting at the instruction of medical personnel. Never give anything by mouth to an unconscious person.
- Personal Protection for First-aid Responders:** Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA.

Most important symptoms/effects, 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

- 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: Use fire-extinguishing media appropriate for surrounding materials.

Unsuitable extinguishing media: Not applicable

Specific hazards arising from the chemical: Fire or excessive heat may produce hazardous decomposition products.

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 measures

Personal precautions, protective equipment and emergency procedures: Contact local authorities in case of spillage to drain/aquatic environment. Ensure suitable personal protection (including respiratory protection) during removal of spillages in a confined area.

Methods and material for containment and cleaning up: Absorb spillage with suitable absorbent material. Prevent runoff from entering drains, sewers, or streams. See Section 8 of the SDS for Personal Protective Equipment. For waste disposal, see section 13 of the SDS.

Environmental Precautions: Avoid release to the environment.



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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

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

None of the components have assigned exposure limits.

Appropriate Engineering Controls

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

Individual protection measures, such as personal protective equipment

General information:	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:	Wear safety glasses with side shields (or goggles).
Skin Protection	
Hand Protection:	Chemical resistant gloves Suitable gloves can be recommended by the glove supplier. Wash hands after contact.



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Other: Wear a lab coat or similar protective clothing.

Respiratory Protection: If engineering controls do not maintain airborne concentrations below recommended exposure limits (where applicable) or to an acceptable level (in countries where exposure limits have not been established), an approved respirator must be worn.

Hygiene measures: Observe good industrial hygiene practices.

9. Physical and chemical properties

Information on basic physical and chemical properties

Appearance

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

Odor: Characteristic

Odor Threshold: No data available.

Melting Point: Not determined.

Boiling Point: Not determined.

Flammability: Not applicable

Upper/lower limit on flammability or explosive limits

Explosive limit - upper: Not applicable

Explosive limit - lower: Not applicable

Flash Point: Not applicable

Self Ignition Temperature: Not determined.

Decomposition Temperature: Not applicable

pH: 7.2

Viscosity

Dynamic viscosity: Not determined.

Kinematic viscosity: Not determined.

Flow Time: Not applicable

Solubility(ies)

Solubility in Water: Insoluble in water

Solubility (other): No data available.

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



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Vapor pressure:	No data available.
Relative density:	No data available.
Density:	No data available.
Bulk density:	Not applicable
Vapor density (air=1):	Not applicable
Particle characteristics	
Particle Size:	Not applicable
Particle Size Distribution:	Not applicable
Specific surface area:	Not applicable
Surface charge/Zeta potential:	Not applicable
Assessment:	Not applicable
Shape:	Not applicable
Crystallinity:	Not applicable
Surface treatment:	Not applicable

Other information

Minimum ignition temperature:	Product is not self-igniting.
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 determined.
Conditions to avoid:	Avoid exposure to high temperatures or direct sunlight.
Incompatible Materials:	Metals. Water reactive material.
Hazardous Decomposition Products:	Stable; however, may decompose if heated.



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11. Toxicological information

Information on likely routes of exposure

Inhalation: No data available.

Skin Contact: No data available.

Eye contact: No data available.

Ingestion: No data available.

Information on toxicological effects

Acute toxicity (list all possible routes of exposure)

Oral

Product: ATEmix: 11,890.91 mg/kg

Components:
1-Tetradecanaminium, LD 50 (Rat): 0.39 g/kg
N,N,N-trimethyl-, bromide Experimental result, Key study
(1:1)

Dermal

Product: ATEmix: 11,473.68 mg/kg

Components:
1-Tetradecanaminium, No data available.
N,N,N-trimethyl-, bromide
(1:1)

Inhalation

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

Components:
1-Tetradecanaminium, NOAEL (Mouse): 0.57 mg/m³
N,N,N-trimethyl-, bromide Aerosol, Read-across from supporting substance (structural analogue or surrogate), Key study
(1:1) LOAEL (Mouse): 1.8 mg/m³
Aerosol, Read-across from supporting substance (structural analogue or surrogate), Key study

Repeated dose toxicity

Product: No data available.

Components:
1-Tetradecanaminium, NOAEL (Rat(Female, Male), Oral, 28 d): 100 mg/kg Oral Read-across from
N,N,N-trimethyl-, bromide supporting substance (structural analogue or surrogate), Supporting study



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(1:1) NOAEL (Rat(Female, Male), Oral, 56 - 60 Weeks): 10 mg/kg Oral Read-across from supporting substance (structural analogue or surrogate), Key study
LOAEL (Rabbit(Female, Male), Dermal, 4 Weeks): 10 mg/kg Dermal Read-across from supporting substance (structural analogue or surrogate), Key study

Skin Corrosion/Irritation

Product: No data available.
Components:
1-Tetradecanaminium, in vivo (Rabbit): Category 2
N,N,N-trimethyl-, bromide in vivo (Rabbit): Category 2
(1:1) in vivo (Rabbit): Irritating
in vivo (Rabbit): Category 2
in vivo (Rabbit): Irritating

Serious Eye Damage/Eye Irritation

Product: No data available.
Components:
1-Tetradecanaminium, No data available.
N,N,N-trimethyl-, bromide
(1:1)

Respiratory or Skin Sensitization

Product: No data available.
Components:
1-Tetradecanaminium, No data available.
N,N,N-trimethyl-, bromide
(1:1)

Carcinogenicity

Product: No data available.
Components:
1-Tetradecanaminium, No data available.
N,N,N-trimethyl-, bromide
(1:1)

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



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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:

1-Tetradecanaminium, No data available.
N,N,N-trimethyl-,
bromide (1:1)

In vivo

Product: No data available.

Components:

1-Tetradecanaminium, No data available.
N,N,N-trimethyl-,
bromide (1:1)

Reproductive toxicity

Product: No data available.

Components:

1-Tetradecanaminium, No data available.
N,N,N-trimethyl-, bromide
(1:1)

Specific Target Organ Toxicity - Single Exposure

Product: No data available.

Components:

1-Tetradecanaminium, No data available.
N,N,N-trimethyl-, bromide
(1:1)

Specific Target Organ Toxicity - Repeated Exposure

Product: No data available.

Components:

1-Tetradecanaminium, No data available.
N,N,N-trimethyl-, bromide
(1:1)

Aspiration Hazard

Product: No data available.



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Components:
1-Tetradecanaminium, No data available.
N,N,N-trimethyl-, bromide
(1:1)

Information on health hazards

Other hazards
Product: No data available.

12. Ecological information

Ecotoxicity:

Acute hazards to the aquatic environment:

Fish

Product: No data available.

Components:

1-Tetradecanaminium, LC 50 (Oncorhynchus mykiss, 24 h): 2.5 mg/l Experimental result,
N,N,N-trimethyl-, Supporting study
bromide (1:1) EC 10 (Danio rerio, 96 h): 0.72 mg/l Experimental result, Key study
LC 50 (Danio rerio, 96 h): > 1.81 mg/l Experimental result, Key study

Aquatic Invertebrates

Product: No data available.

Components:

1-Tetradecanaminium, LC 50 (Amphipod (Echinogammarus tibaldii), 24 h): 17 - 23 mg/l Mortality
N,N,N-trimethyl-, LC 50 (Daphnia magna, 48 h): 22 µg/l Experimental result, Key study
bromide (1:1) LC 10 (Daphnia magna, 48 h): 18 µg/l Experimental result, Key study
IC 50 (Daphnia magna, 24 h): 91 µg/l Experimental result, Supporting study
IC 50 (Daphnia magna, 24 h): 0.14 mg/l Experimental result, Supporting study

Toxicity to Aquatic Plants

Product: No data available.

Components:

1-Tetradecanaminium, No data available.
N,N,N-trimethyl-,
(1:1)

Toxicity to microorganisms

Product: No data available.

Components:



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1-Tetradecanaminium, N,N,N-trimethyl-, bromide (1:1) No data available.

Chronic hazards to the aquatic environment:

Fish

Product: No data available.

Components:

1-Tetradecanaminium, N,N,N-trimethyl-, bromide (1:1) No data available.

Aquatic Invertebrates

Product: No data available.

Components:

1-Tetradecanaminium, N,N,N-trimethyl-, bromide (1:1) NOAEL (Daphnia magna, 21 d): 0.023 mg/l Read-across from supporting substance (structural analogue or surrogate), Key study
EC 50 (Daphnia magna, 21 d): 0.023 - 0.04 mg/l Read-across from supporting substance (structural analogue or surrogate), Key study
NOAEL (Chironomus riparius, 24 d): 0.23 mg/l Read-across from supporting substance (structural analogue or surrogate), Supporting study
LOAEL (Chironomus riparius, 24 d): 0.62 mg/l Read-across from supporting substance (structural analogue or surrogate), Supporting study

Toxicity to Aquatic Plants

Product: No data available.

Components:

1-Tetradecanaminium, N,N,N-trimethyl-, bromide (1:1) No data available.

Toxicity to microorganisms

Product: No data available.

Components:

1-Tetradecanaminium, N,N,N-trimethyl-, bromide (1:1) No data available.

Persistence and Degradability

Biodegradation

Product: No data available.

Components:



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1-Tetradecanaminium, N,N,N-trimethyl-, bromide (1:1) 100 % (7 d) Detected in water. Experimental result, Supporting study
40 % (28 d) Detected in water. Read-across from supporting substance (structural analogue or surrogate), Weight of Evidence study
64 % (58 d) Soil Read-across from supporting substance (structural analogue or surrogate), Key study
60 % (58 d) Soil Read-across from supporting substance (structural analogue or surrogate), Key study
35 % Detected in water. Read-across from supporting substance (structural analogue or surrogate), Weight of Evidence study

BOD/COD Ratio

Product: No data available.
Components:
1-Tetradecanaminium, N,N,N-trimethyl-, bromide (1:1) No data available.

Bioaccumulative potential

Bioconcentration Factor (BCF)

Product: No data available.
Components:
1-Tetradecanaminium, N,N,N-trimethyl-, bromide (1:1) Pimephales promelas, Bioconcentration Factor (BCF): 0.5 Aquatic sediment Read-across from supporting substance (structural analogue or surrogate), Weight of Evidence study
Cyprinus carpio, Bioconcentration Factor (BCF): > 444 - < 677 Aquatic sediment Read-across from supporting substance (structural analogue or surrogate), Key study
Pimephales promelas, Bioconcentration Factor (BCF): 35 Aquatic sediment Read-across from supporting substance (structural analogue or surrogate), Weight of Evidence study
Pimephales promelas, Bioconcentration Factor (BCF): 22 Aquatic sediment Read-across from supporting substance (structural analogue or surrogate), Weight of Evidence study
Pimephales promelas, Bioconcentration Factor (BCF): 1,962 Aquatic sediment Read-across from supporting substance (structural analogue or surrogate), Weight of Evidence study

Partition Coefficient n-octanol / water (log Kow)

Product: Log Kow: No data available.
Components:
1-Tetradecanaminium, N,N,N-trimethyl-, bromide (1:1) No data available.



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Mobility in soil:

Product	No data available.
Components: 1-Tetradecanaminium, N,N,N-trimethyl-, bromide (1:1)	No data available.

Results of PBT and vPvB assessment:

Product	No data available.
Components: 1-Tetradecanaminium, N,N,N-trimethyl-, bromide (1:1)	No data available.

Other adverse effects:

Other hazards	
Product:	No data available.
Components: 1-Tetradecanaminium, N,N,N-trimethyl-, bromide (1:1)	No data available.

13. Disposal considerations

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

Disposal methods: Dispose of waste at an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.

Contaminated Packaging: No data available.



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14. Transport information

DOTUN Number: Not regulated.
UN Proper Shipping Name: Not regulated.
Transport Hazard Class(es)
 Class: Not regulated.
 Label(s): Not regulated.
Packing Group: Not regulated.
Marine Pollutant: Not regulated.
Limited quantity: Not regulated.
Excepted quantity: Not regulated.

Special precautions for user: Not regulated.

IMDG

UN Number: Not regulated.
UN Proper Shipping Name: Not regulated.
Transport Hazard Class(es)
 Class: Not regulated.
 Subsidiary risk: Not regulated.
 EmS No.: Not regulated.
Packing Group: Not regulated.
Environmental Hazards
 Marine Pollutant: Not regulated.

Special precautions for user: Not regulated.

IATA

UN Number: Not regulated.
Proper Shipping Name: Not regulated.
Transport Hazard Class(es):
 Class: Not regulated.
 Subsidiary risk: Not regulated.
Packing Group: Not regulated.
Environmental Hazards
 Marine pollutant: Not regulated.

Special precautions for user: Not regulated.



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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.

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. EPA Emergency Planning and Community Right-To-Know Act (EPCRA) SARA Title III Section 313 Toxic Chemicals (40 CFR 372.65) - Supplier Notification Required
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.



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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

Rotterdam convention
Not applicable

Kyoto protocol
Not applicable

16. Other information, including date of preparation or last revision
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Issue Date:	06/17/2021
Version #:	1.1
Source of information:	European Chemicals Agency (ECHA): Information on Chemicals.
Further Information:	No data available.



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