



SAFETY DATA SHEET

according to 29 CFR 1910.1200 and GHS

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Tetrathionate Broth Base

Revision 1
Revision date 2018-08-26

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product name	Tetrathionate Broth Base
Product code	NCM0092, 7241, LAB097

1.2. Relevant identified uses of the substance or mixture and uses advised against

Product Use	[SU3] Industrial uses: Uses of substances as such or in preparations at industrial sites; [PROC15] Use as laboratory reagent;
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1.3. Details of the supplier of the safety data sheet

Company	Neogen Corporation
Address	620 Leshler Place Lansing MI 48912 USA
Web	www.neogen.com
Telephone	517-372-9200/800-234-5333
Email	regulatorysupport@neogen.com

1.4. Emergency telephone number

Emergency telephone number	1-800-234-5333
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Further information

Manufactured By:	Neogen Corporation 740 East Shiawassee Lansing, MI 48912 U.S.A. Neogen Corporation 1 Quest Park-Moss Hall Road Heywood Lancashire BL97JJ UK.
Hotline(s):	Medical: United States (1-800-498-5743), International (1-651-523-0318). Spill/CHEMTREC: United States (1-800-424-9300), International (1-703-527-3887).

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

2.1.2. Classification - GHS	The product is classified as non hazardous.
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2.2. Label elements

Hazard Statements	P101 - If medical advice is needed, have product container or label at hand. P102 - Keep out of reach of children. P501 - Dispose of contents/container to an appropriate waste site or reclaim (in accordance with local/regional/national/international regulation). No Significant Hazard
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2.3. Other hazards

Other hazards This product is not identified as a PBT substance.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

EC 1272/2008

Chemical Name	Index No.	CAS No.	EC No.	REACH Registration Number	Conc. (%w/w)	Classification
Sodium Thiosulfate		7772-98-7	231-867-5		60 - 70%	
Calcium Carbonate		471-34-1	207-439-9		20 - 30%	
Special Bile		68990-09-0	273-578-7		1 - 10%	Skin Irrit. 2: H315; Eye Irrit. 2: H319;

Full text for all Risk Phrases mentioned in this section are displayed in Section 16. Exposure Limit Values. See section 8 for further information.

SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation	In case of accident by inhalation: remove casualty to fresh air and keep at rest.
Eye contact	Contact lenses should be removed. Rinse immediately with plenty of water for 15 minutes holding the eyelids open.
Skin contact	After contact with skin, take off immediately all contaminated clothing, and wash immediately with plenty of water.
Ingestion	Keep the affected person warm and at rest. DO NOT INDUCE VOMITING unless advised to do so by a doctor. Rinse mouth thoroughly.

4.2. Most important symptoms and effects, both acute and delayed

Inhalation	May cause irritation to respiratory system.
Eye contact	May cause irritation to eyes.
Skin contact	May cause irritation to skin.
Ingestion	Ingestion may cause nausea and vomiting.

4.3. Indication of any immediate medical attention and special treatment needed

Inhalation	Seek medical attention if irritation or symptoms persist.
Eye contact	Seek medical attention if irritation or symptoms persist.
Skin contact	Seek medical attention if irritation or symptoms persist.
Ingestion	If you feel unwell, seek medical advice (show the label where possible).

SECTION 5: Firefighting measures

5.1. Extinguishing media

Use as appropriate: Carbon dioxide (CO₂), Alcohol resistant foam, Powder.

5.2. Special hazards arising from the substance or mixture

Burning produces irritating, toxic and obnoxious fumes.

5.3. Advice for firefighters

In case of fire and/or explosion do not breathe fumes. Wear suitable respiratory equipment when necessary. Wear suitable protective clothing, gloves and eye/face protection.

SECTION 6: Accidental release measures

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6.1. Personal precautions, protective equipment and emergency procedures

	Avoid raising dust. Avoid sparks, flames, heat and sources of ignition.
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6.2. Environmental precautions

	Do not empty into drains; dispose of this material and its container in a safe way.
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6.3. Methods and material for containment and cleaning up

	Avoid raising dust. Sweep up. Dispose of in compliance with all local and national regulations.
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6.4. Reference to other sections

	See section 8 & 13 for further information.
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SECTION 7: Handling and storage

7.1. Precautions for safe handling

	Do not eat, drink or smoke in areas where this product is used or stored. Wash hands after handling the product.
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7.2. Conditions for safe storage, including any incompatibilities

	Store at temperatures between 2 °C and 30 °C. Store in original container. Keep container tightly closed and dry. Protect from moisture.
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7.3. Specific end use(s)


	See section 1.2 for further information.
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SECTION 8: Exposure controls/personal protection

8.1. Control parameters

	Exposure above the recommended occupational exposure limit (OEL) may cause adverse health effects.
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8.2. Exposure controls

	
Appropriate engineering controls	Ensure adequate ventilation of the working area.
Individual protection measures	Not normally required. Use as appropriate:.
Eye / face protection	safety glasses with side-shields.
Skin protection - Hand protection	Chemical resistant gloves.
Skin protection - Other	Wear suitable protective clothing.
Respiratory protection	Do not breathe dust. In case of insufficient ventilation, wear suitable respiratory equipment.
Thermal hazards	No data is available on this product.
8.2.3. Environmental exposure controls	Avoid release to the environment. Refer to special instructions/Safety data sheets. See section 7 for further information.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

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9.1. Information on basic physical and chemical properties

State	Powder
Color	White
Odor	Characteristic
Odour threshold	Not applicable.
pH	8.2 - 8.6
Melting point	No data available
Freezing Point	No data available
Boiling point	No data available
Flash point	Not applicable.
Evaporation rate	No data available
Flammability limits	Not applicable.
Vapor pressure	Not applicable.
Vapor density	Not applicable.
Relative density	No data available
Fat Solubility	No data available
Partition coefficient	No data available
Autoignition temperature	Not applicable.
Viscosity	No data available
Explosive properties	Not applicable.
Oxidising properties	Not applicable.
Solubility	Soluble in water

9.2. Other information

Conductivity	No data available
Surface tension	No data available
Gas group	Not applicable.
Benzene Content	No data available
Lead content	No data available
VOC (Volatile organic compounds)	No data available

SECTION 10: Stability and reactivity

10.1. Reactivity

	Stable under normal conditions. See section 7 for further information.
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10.2. Chemical stability

	Will not decompose if stored and used as recommended.
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10.3. Possibility of hazardous reactions

	No precautions required to be mentioned. Stable under normal conditions.
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10.4. Conditions to avoid

	No precautions required to be mentioned.
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10.5. Incompatible materials

	No precautions required to be mentioned.
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10.6. Hazardous decomposition products

	Carbon oxides, Organic materials may be formed in fire conditions. Fire will produce dense black smoke.
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Acute toxicity	No data is available on this product. See section 3 for further information.
Skin corrosion/irritation	May cause irritation to skin. See section 3 for further information.
Serious eye damage/irritation	May cause irritation to eyes. See section 3 for further information.
Respiratory or skin sensitisation	May cause sensitization by inhalation and skin contact. See section 3 for further information.
Germ cell mutagenicity	No data is available on this product.
Carcinogenicity	No data is available on this product.
Reproductive toxicity	No data is available on this product.
STOT-single exposure	No data is available on this product.
STOT-repeated exposure	No data is available on this product.
Aspiration hazard	No data is available on this product. See section 3 for further information.
Repeated or prolonged exposure	No data is available on this product. See section 3 for further information.

11.1.2. Mixtures

	See section 3 for further information.
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11.1.3. Hazard Information

	See section 3 for further information.
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11.1.4. Toxicological information

	No data available
	No data is available on this product.

11.1.5. Hazard Class

	No Significant Hazard.
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11.1.6. Classification Criteria

	Not applicable.
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11.1.7. Information on likely routes of exposure

	Skin contact. Inhalation.
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11.1.8. Symptoms related to the physical, chemical and toxicological characteristics

	No data is available on this product.
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11.1.9. Delayed and immediate effects as well as chronic effects from short and long-term exposure

	No data is available on this product.
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11.1.10. Interactive effects

	No data is available on this product.
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11.1.11. Absence of specific data

	No data available.
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11.1.12. Mixture versus substance information

	Not applicable.
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11.1.13. Other information

	Not applicable.
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SECTION 12: Ecological information

12.1. Toxicity

No data available

12.2. Persistence and degradability

No data is available on this product.

12.3. Bioaccumulative potential

No data is available on this product.

Partition coefficient

Tetrathionate Broth Base No data available

12.4. Mobility in soil

No data is available on this product.

12.5. Results of PBT and vPvB assessment

No data is available on this product.

12.6. Other adverse effects

No data available.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Dispose of in compliance with all local and national regulations.

Disposal methods

Contact a licensed waste disposal company. Do not flush into surface water. This material and its container must be disposed of in a safe way.

Disposal of packaging

Empty containers can be sent for disposal or recycling. Containers can be recycled if in compliance with local and national regulations. Do NOT reuse empty containers.

SECTION 14: Transport information

14.1. UN number

The product is not classified as dangerous for carriage.

14.2. UN proper shipping name

The product is not classified as dangerous for carriage.

14.3. Transport hazard class(es)

The product is not classified as dangerous for carriage.

14.4. Packing group

The product is not classified as dangerous for carriage.

14.5. Environmental hazards

The product is not classified as dangerous for carriage.

14.6. Special precautions for user

The product is not classified as dangerous for carriage.

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14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

The product is not classified as dangerous for carriage.

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

Regulations	Hazard Communication Standard: 29 Code of Federal Regulations 1910.1200: Occupational Safety and Health Standards: Z: Toxic and Hazardous Substances: Hazard Communication.
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15.2. Chemical safety assessment

No data is available on this product.

Inventories

Ingredient	TSCA	MA	SARA313	CALPROP65	CWA307	CAA112	CWA311	SARA302	SARA304
Sodium Thiosulfate (Thiosulfuric acid (H ₂ S ₂ O ₃), disodium salt)	Y	N	N	N	N	N	N	N	N
Calcium Carbonate (Carbonic acid calcium salt (1:1))	Y	N	N	N	N	N	N	N	N

SECTION 16: Other information

Other information

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Text of Hazard Statements in Section 3

Skin Irrit. 2: H315 - Causes skin irritation.
Eye Irrit. 2: H319 - Causes serious eye irritation.