



Fisher Scientific

Part of Thermo Fisher Scientific

SAFETY DATA SHEET

Creation Date 14-Feb-2014

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Revision Number 1

1. Identification

Product Name Terrific Broth
Cat No. : BP2468-2; BP2468-10; BP2468-10P1; BP2468-100; BP2468-500
Synonyms Nutrient Broth; Tryptic Soy Broth; Lactose Broth
Recommended Use Laboratory chemicals
Uses advised against No Information available

Details of the supplier of the safety data sheet

| | |
|---|--|
| Company Fisher Scientific One Reagent Lane Fair Lawn, NJ 07410 Tel: (201) 796-7100 | Emergency Telephone Number CHEMTREC®, Inside the USA: 800-424-9300 CHEMTREC®, Outside the USA: 001-703-527-3887 |
|---|--|

2. Hazard(s) Identification

Classification

Classification under 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Based on available data, the classification criteria are not met

Label Elements

None required.

Hazards not otherwise classified (HNOC)

None identified

3. Composition / Information on ingredients

Haz/Non-haz

| Component | CAS-No | Weight % |
|-----------------|------------|-----------|
| Water | 7732-18-5 | 97 - 98 |
| Peptones | 73049-73-7 | 1.0 - 2.0 |
| Sodium chloride | 7647-14-5 | 0.5 - 1.0 |
| Yeast, ext. | 8013-01-2 | 0.5 - 1.0 |

4. First-aid measures

| | |
|--|--|
| Eye Contact | Flush eyes with water as a precaution. Get medical attention if symptoms occur.. |
| Skin Contact | Rinse with water. Get medical attention if symptoms occur.. |
| Inhalation | Move to fresh air. If breathing is difficult, give oxygen. Get medical attention if symptoms occur.. |
| Ingestion | Do not induce vomiting. Obtain medical attention. |
| Most important symptoms/effects | No information available |
| Notes to Physician | Treat symptomatically. |

5. Fire-fighting measures

| | |
|---|--|
| Suitable Extinguishing Media | Substance is nonflammable; use agent most appropriate to extinguish surrounding fire.. |
| Unsuitable Extinguishing Media | No information available. |
| Flash Point Method - | No information available. No information available. |
| Autoignition Temperature | No information available. |
| Explosion Limits | |
| Upper | No data available |
| Lower | No data available |
| Sensitivity to mechanical impact | No information available. |
| Sensitivity to static discharge | No information available. |

Specific Hazards Arising from the Chemical

Non-combustible, substance itself does not burn but may decompose upon heating to produce corrosive and/or toxic fumes.

Hazardous Combustion Products Thermal decomposition can lead to release of irritating gases and vapors.

Protective Equipment and Precautions for Firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear

NFPA

Health
0

Flammability
0

Instability
0

Physical hazards
N/A

6. Accidental release measures

| | |
|---|---|
| Personal Precautions | Use personal protective equipment. Ensure adequate ventilation. |
| Environmental Precautions | Avoid release to the environment. |
| Methods for Containment and Clean Up | Soak up with inert absorbent material. Sweep up or vacuum up spillage and collect in suitable container for disposal. |

7. Handling and storage

| | |
|-----------------|--|
| Handling | Wear personal protective equipment. Ensure adequate ventilation. Avoid contact with skin and eyes. Avoid ingestion and inhalation. |
|-----------------|--|

Storage Keep containers tightly closed in a dry, cool and well-ventilated place

8. Exposure controls / personal protection

Exposure Guidelines This product does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

Engineering Measures Ensure adequate ventilation, especially in confined areas

Personal Protective Equipment

Eye/face Protection Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166

Skin and body protection Wear appropriate protective gloves and clothing to prevent skin exposure

Respiratory Protection Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Use a NIOSH/MSHA or European Standard EN 149 approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced

Hygiene Measures Handle in accordance with good industrial hygiene and safety practice

9. Physical and chemical properties

| | |
|---|---------------------------|
| Physical State | Liquid or Solid |
| Appearance | Colorless |
| Odor | odorless |
| Odor Threshold | No information available. |
| pH | |
| Melting Point/Range | No data available |
| Boiling Point/Range | No information available. |
| Flash Point | No information available. |
| Evaporation Rate | No information available. |
| Flammability (solid,gas) | No information available. |
| Flammability or explosive limits | |
| Upper | No data available |
| Lower | No data available |
| Vapor Pressure | No information available. |
| Vapor Density | No information available. |
| Relative Density | No information available. |
| Solubility | No information available. |
| Partition coefficient; n-octanol/water | No data available |
| Autoignition Temperature | No information available. |
| Decomposition temperature | No information available. |
| Viscosity | No information available. |

10. Stability and reactivity

Reactive Hazard None known, based on information available.

Stability Stable under normal conditions.

Conditions to Avoid Excess heat.

Incompatible Materials None known

Hazardous Decomposition Products Thermal decomposition can lead to release of irritating gases and vapors

Hazardous Polymerization Hazardous polymerization does not occur

Hazardous Reactions None under normal processing

11. Toxicological information

Acute Toxicity

Component Information

| Component | LD50 Oral | LD50 Dermal | LC50 Inhalation |
|-----------------|----------------|--------------------|---------------------------------|
| Sodium chloride | 3 g/kg (Rat) | 10 g/kg (Rabbit) | 42 g/m ³ (Rat) 1 h |

Toxicologically Synergistic Products No information available.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Irritation No information available.

Sensitization No information available.

Carcinogenicity The table below indicates whether each agency has listed any ingredient as a carcinogen

| Component | CAS-No | IARC | NTP | ACGIH | OSHA | Mexico |
|-----------------|------------|------------|------------|------------|------------|------------|
| Water | 7732-18-5 | Not listed | Not listed | Not listed | Not listed | Not listed |
| Peptones | 73049-73-7 | Not listed | Not listed | Not listed | Not listed | Not listed |
| Sodium chloride | 7647-14-5 | Not listed | Not listed | Not listed | Not listed | Not listed |
| Yeast, ext. | 8013-01-2 | Not listed | Not listed | Not listed | Not listed | Not listed |

Mutagenic Effects No information available.

Reproductive Effects No information available.

Developmental Effects No information available.

Teratogenicity No information available.

STOT - single exposure None known.

STOT - repeated exposure None known.

Aspiration hazard No information available.

Symptoms / effects, both acute and delayed No information available.

Endocrine Disruptor Information No information available

Other Adverse Effects The toxicological properties have not been fully investigated.

12. Ecological information

Ecotoxicity

Do not empty into drains

| Component | Freshwater Algae | Freshwater Fish | Microtox | Water Flea |
|-----------------|------------------|---|------------|---------------------|
| Sodium chloride | Not listed | Pimephals prome: LC50: 7650 mg/L/96H | Not listed | EC50: 1000 mg/L/48H |

| | |
|--------------------------------------|---------------------------|
| Persistence and Degradability | No information available. |
| Bioaccumulation/ Accumulation | No information available |
| Mobility | No information available |

13. Disposal considerations

Waste Disposal Methods Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. Chemical waste generators must also consult local, regional, and national hazardous waste regulations to ensure complete and accurate classification

14. Transport information

| | |
|-----------------|---------------|
| DOT | Not regulated |
| TDG | Not regulated |
| IATA | Not regulated |
| IMDG/IMO | Not regulated |

15. Regulatory information

International Inventories

| Component | TSCA | DSL | NDSL | EINECS | ELINCS | NLP | PICCS | ENCS | AICS | CHINA | KECL |
|-----------------|------|-----|------|-----------|--------|-----|-------|------|------|-------|------|
| Water | X | X | - | 231-791-2 | - | | X | - | X | X | X |
| Peptones | X | X | - | - | - | | X | - | X | X | X |
| Sodium chloride | X | X | - | 231-598-3 | - | | X | X | X | X | X |
| Yeast, ext. | XU | X | - | 232-387-9 | - | | X | - | X | X | X |

Legend:

X - Listed

E - Indicates a substance that is the subject of a Section 5(e) Consent order under TSCA.

F - Indicates a substance that is the subject of a Section 5(f) Rule under TSCA.

N - Indicates a polymeric substance containing no free-radical initiator in its inventory name but is considered to cover the designated polymer made with any free-radical initiator regardless of the amount used.

P - Indicates a commenced PMN substance

R - Indicates a substance that is the subject of a Section 6 risk management rule under TSCA.

S - Indicates a substance that is identified in a proposed or final Significant New Use Rule

T - Indicates a substance that is the subject of a Section 4 test rule under TSCA.

XU - Indicates a substance exempt from reporting under the Inventory Update Rule, i.e. Partial Updating of the TSCA Inventory Data Base Production and Site Reports (40 CFR 710(B)).

Y1 - Indicates an exempt polymer that has a number-average molecular weight of 1,000 or greater.

Y2 - Indicates an exempt polymer that is a polyester and is made only from reactants included in a specified list of low concern reactants that comprises one of the eligibility criteria for the exemption rule.

U.S. Federal Regulations

TSCA 12(b) Not applicable

SARA 313 Not applicable

SARA 311/312 Hazardous Categorization

| | |
|-----------------------------------|----|
| Acute Health Hazard | No |
| Chronic Health Hazard | No |
| Fire Hazard | No |
| Sudden Release of Pressure Hazard | No |

| Reactive Hazard | No | | | | | | | | | | |
|--|---|-----------------------------|----------------------------|-----------------------------|------------------------|---------------------------|-------|---|------|---|---|
| Clean Water Act | Not applicable | | | | | | | | | | |
| <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 25%;">Component</th> <th style="width: 25%;">CWA - Hazardous Substances</th> <th style="width: 25%;">CWA - Reportable Quantities</th> <th style="width: 25%;">CWA - Toxic Pollutants</th> <th style="width: 25%;">CWA - Priority Pollutants</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">Water</td> <td style="text-align: center;">-</td> <td style="text-align: center;">1 LB</td> <td style="text-align: center;">-</td> <td style="text-align: center;">-</td> </tr> </tbody> </table> | | Component | CWA - Hazardous Substances | CWA - Reportable Quantities | CWA - Toxic Pollutants | CWA - Priority Pollutants | Water | - | 1 LB | - | - |
| Component | CWA - Hazardous Substances | CWA - Reportable Quantities | CWA - Toxic Pollutants | CWA - Priority Pollutants | | | | | | | |
| Water | - | 1 LB | - | - | | | | | | | |
| Clean Air Act | Not applicable | | | | | | | | | | |
| Not applicable | | | | | | | | | | | |
| CERCLA | Not Applicable | | | | | | | | | | |
| California Proposition 65 | This product does not contain any Proposition 65 chemicals. | | | | | | | | | | |
| State Right-to-Know | Not applicable | | | | | | | | | | |
| U.S. Department of Transportation | | | | | | | | | | | |
| Reportable Quantity (RQ): | N | | | | | | | | | | |
| DOT Marine Pollutant | N | | | | | | | | | | |
| DOT Severe Marine Pollutant | N | | | | | | | | | | |
| U.S. Department of Homeland Security | | | | | | | | | | | |
| This product does not contain any DHS chemicals. | | | | | | | | | | | |
| Other International Regulations | | | | | | | | | | | |
| Mexico - Grade | No information available | | | | | | | | | | |
| Canada | | | | | | | | | | | |
| This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR. | | | | | | | | | | | |
| WHMIS Hazard Class | Non-controlled | | | | | | | | | | |

16. Other information

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|-------------------------|---|
| Prepared By | Regulatory Affairs Thermo Fisher Scientific Email: EMSDS.RA@thermofisher.com |
| Creation Date | 14-Feb-2014 |
| Revision Date | 14-Feb-2014 |
| Print Date | 14-Feb-2014 |
| Revision Summary | This document has been updated to comply with the US OSHA HazCom 2012 Standard replacing the current legislation under 29 CFR 1910.1200 to align with the Globally Harmonized System of Classification and Labeling of Chemicals (GHS). |

Disclaimer
 The information provided on this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.

End of SDS

