ARENA BioScien

Safety Data Sheet

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

1.1 Product identifier

- Product Name: **Nutrient Broth**

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

Science education applications

1.3 Details of the supplier of the safety data sheet

- Name of Manufacturer: Arena BioScien, SEA
- Address of Manufacturer: Block 5, Street 9 Ismailia free zone. Ismailia- Egypt
- Telephone: +202 21813500/ +201113102057
- Email: admin@arenabioscientific.com

SECTION 2 Hazards identification

Classification of the chemical in accordance with paragraph (d) of §1910.1200;
Not a dangerous substance according to GHS classification criteria. No known OSHA hazards.

SECTION 3 Composition/information on ingredients

3.1 Substances

Chemical Name	CAS #	%
Water	7734-18-5	99.2
Peptones	N/A	0.5
Beef Extract		0.3

SECTION 4 First aid measures

Emergency and First Aid Procedures

Inhalation:

In case of accident by inhalation: remove casualty to fresh air and keep at rest.

Eyes:

In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

Skin Contact:

After contact with skin, wash immediately with plenty of water.

Ingestion:

If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label.

SECTION 5 Fire-fighting measures

Extinguishing Media:

Use dry chemical, CO2 or appropriate foam.

Fire Fighting Methods and Protection:

Firefighters should wear full protective equipment and NIOSH approved self-contained breathing apparatus.

Fire and/or Explosion Hazards:

N/A

Hazardous Combustion Products:

None Known

SECTION 6 Accidental release measures

Steps to Take in Case Material Is Released or Spilled:

No adverse health affects expected from the clean-up of spilled material. Follow personal protective equipment recommendations found in Section 8 of this (M)SDS. Contain the discharged material.

SECTION 7 Handling and storage

Storage: Keep container tightly closed in a cool, well-ventilated place.
Storage Code: Green - general chemical storage

SECTION 8 Exposure controls/personal protection

8.1 Control parameters
- There are no recommended or established controls for this product.

8.2 Exposure controls
- Eyewash bottles should be available.
- Engineering controls should be provided to prevent the need for ventilation.
- No respiratory protection is needed if ventilation/extraction is adequate, otherwise wear approved dust mask, NIOSH N95 (US) or type FFP1 (EN143) dust masks.
- Wear protective gloves. The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and standard EN 374.
- Wear safety glasses approved to standard for ANSI Z87 or EN 166.

SECTION 8 Exposure controls/personal protection (continued…)

- Wear suitable protective clothing in accordance with good chemical hygiene practices.



SECTION 9 Physical and chemical properties

Formula: This product is a mixture.
Vapor Pressure: N/A
Molecular Weight: N/A
Evaporation Rate (BuAc=1): N/A
Appearance: Cloudy (milky)
Vapor Density (Air=1): N/A
Odor: Mild Characteristic
Specific Gravity: N/A
Odor Threshold: No data available
Solubility in Water: Slightly Soluble
pH: No data available
Log Pow (calculated): No data available
Melting Point: No data available
Autoignition Temperature: No data available
Boiling Point: 100 C
Decomposition Temperature: No data available
Flash Point: No data available
Viscosity: No data available
Flammable Limits in Air: N/A N/A

SECTION 10 Stability and reactivity

Reactivity: No data available
Chemical Stability: Stable under normal conditions.
Conditions to Avoid: None known.
Incompatible Materials: Water-reactive materials, Strong oxidizing agents Hazardous
Decomposition Products: None Known

Hazardous Polymerization: Will not occur

SECTION 11 Toxicological information

11.1 Information on toxicological effects

- No experimental test data available for the mixture
- Contact with skin: No irritating effects known.
- Contact with eyes: No irritating effects known.
- Carcinogenicity:

Not listed in the National Toxicology Program (NTP) 13th Report on Carcinogens.

SECTION 11 Toxicological information (continued…)

Not found to be a potential carcinogen in the International Agency for Research on Cancer (IARC) Monographs, Volumes 1-112.

Not listed in OSHA standard 1910.1003 Carcinogens.

- Mutagenicity: No evidence of mutagenic effects.
- Teratogenicity: No information available

SECTION 12 Ecological information

Overview: This material is not expected to be harmful to the ecology.
Mobility: No data
Persistence: No data
Bioaccumulation: No data
Degradability: No data
Other Adverse Effects: No data

SECTION 13 Disposal considerations

Disposal Methods: Dispose in accordance with all applicable Federal, State and Local regulations.
Always contact a permitted waste disposer (TSD) to assure compliance.
Waste Disposal Code(s): Not Determined

SECTION 14 Transport information

14.1 UN Number
- Not classified as hazardous for transport

14.2 UN Proper Shipping Name
- Not applicable

14.3 Transport hazard class(es)
- Not applicable

14.4 Packing group
- Not applicable

14.5 Environmental hazards
- Not Classified

14.6 Special precautions for user
- Not Classified

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC code
- Not Classified

14.8 Domestic Surface Transport (US DOT)
- Proper Shipping Name: Not applicable
- DOT UN No.: Not applicable
- DOT Hazard Class: Not applicable

SECTION 14 Transport information (continued…)

- DOT Packing Group: Not applicable

14.9 International Road/Rail (ADR/RID)
- Proper Shipping Name: Not applicable
- ADR UN No.: Not applicable

- ADR Hazard Class: Not applicable
- ADR Packing Group: Not applicable
- Tunnel Code: Not applicable

14.10 Ocean/Sea (IMO/IMDG)

- Proper Shipping Name: Not applicable
- IMDG UN No.: Not applicable
- IMDG Hazard Class: Not applicable
- IMDG Packing Group: Not applicable

14.11 Air (ICAO/IATA)

- Proper Shipping Name: Not applicable
- ICAO Un No.: Not applicable
- ICAO Hazard Class: Not applicable
- ICAO Packing Group: Not applicable

SECTION 15 Regulatory information

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

- This Safety Data Sheet is provided in compliance with the EC Directive 1907/2006- 453/2010, WHMIS 2015 requirements as specified in the Hazardous Products Act (HPA) and the Hazardous Products Regulations (HPR), and with the OSHA Hazard Communication Standard 29 CFR 1910.1200.
- Regulation (EC) No. 1272/2008 on the classification, labelling and packaging of substances and mixtures (CLP Regulation) applies in Europe.

SECTION 16 Other information

Date of Preparation: September 2019
Revision: Rev. 0
Replaces: New issue

This document is believed to be correct, but does not purport to be all inclusive and shall be used only as a guide. Arena BioScien Manufacturers, SEA. Shall not be held liable for any damage resulting from handling or from contact with the above product. These suggestions should not be confused with state, municipal or insurance requirements, and constitute NO WARRANTY.