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

1.1 Product identifier

- Product Name: **Reinforced Clostridial medium**

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

Use of the substance/preparation: Laboratory chemical Laboratory and analytical use

Use advised against: Do not use for products which come into contact with foodstuffs. Do not use for private purposes (household).

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

2.1 Classification of the substance or mixture

Classification (29 CFR 1910.1200)

- Classification (REGULATION (EC) No 1272/2008) [CLP/GHS]
- Not classified as hazardous for supply
- Classification (67/548/EEC, 1999/45/EC) (OSHA 29 CFR 1910.1200)
- Not classified as hazardous for supply

2.2 Label elements

- Signal Word: None
- Symbols: None
- Hazard phrases: None
- Precautionary Phrases:

Keep container tightly closed.
Do not breathe dust.
Avoid contact with eyes, skin, or clothing.

SECTION 3 Composition/information on ingredients

3.1 Substances

INGREDIENT	g/l	INGREDIENT	g/l
Bacteriological agar	0.5 gm	Beef extract	10 gm
Glucose monohydrate	5 gm	Yeast extract	3 gm
Peptone	10 gm	Sodium acetate	3 gm
Cysteine hydrochloride	0.5 gm	Soluble starch	1 gm
		Sodium chloride	5 gm

3.2 Mixtures

- This product does not contain any hazardous substances at the concentration limits given in Regulation (EC) No. 1272/2008 and OSHA Hazard Communication Standard 29 CFR 1910.1200.

SECTION 4 First aid measures

4.1 Description of first aid measures

- General

In case of doubt, or when symptoms persist, seek medical attention.
In general, this product is not hazardous to humans or animals, but like any other chemical, it should be treated with care, respect, and common sense.

- Contact with skin

Remove contaminated clothing.
Wash affected area with plenty of soap and water.

SECTION 4 First aid measures (continued…)

If skin irritation or rash occurs: Get medical advice/attention. Contaminated clothing should be laundered before reuse.

- Contact with eyes

If substance has gotten into eyes, immediately wash out with plenty of water for at least 15 minutes. Irrigate eyes thoroughly while lifting eyelids. Seek medical advice if necessary.

- Ingestion

Rinse mouth with water (do not swallow).
Never make an unconscious person vomit or drink fluids.
If medical advice is needed, have product container or label at hand.

- Inhalation

If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell.

4.2 Most important symptoms and effects, both acute and delayed

- Symptoms and effects are not known to date.

4.3 Indication of any immediate medical attention and special treatment needed

- None

SECTION 5 Fire-fighting measures

5.1 Extinguishing media

- In case of fire: co-ordinate firefighting measures to the fire surroundings water, foam, dry extinguishing powder, ABC-powder

5.2 Special hazards arising from the substance or mixture

- None

5.3 Advice for firefighters

- in case of fire and/or explosion do not breathe fumes. Fight fire with normal precautions from a reasonable distance. Wear self-contained breathing apparatus. SECTION 6 Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

- Shut off all ignition sources.
- Use non-sparking hand tools.
- Avoid raising dust.
- Remove contaminated clothing.
- Wear protective clothing as per Section 8.
- Wash thoroughly after dealing with spillage.

6.2 Environmental Precautions

- Keep away from drains, surface and ground water

6.3 Methods and material for containment and cleaning up

- Advice on how to contain a spill Covering of drains.

Take up mechanically.

- Advice on how to clean up a spill

Take up mechanically.

- Other information relating to spills and releases

Place in appropriate containers for disposal. Ventilate affected area. regulations.

6.4 Reference to other sections

- Hazardous combustion products: see section 5.
- Personal protective equipment: see section 8.
- Incompatible materials: see section 10.
- Disposal considerations: see section 13.

SECTION 7 Handling and storage

7.1 Precautions for safe handling

- Do not breathe dust.
- Avoid contact with skin and eyes.
- Do not eat, drink, or smoke when using this product.
- Ensure adequate ventilation.
- Eyewash bottles should be available.
- Wash hands thoroughly after using this substance.

7.2 Conditions for safe storage, including any incompatibilities

Store in a dry place.
Incompatible substances or mixtures: Observe hints for combined storage.
Consideration of other advice: Ventilation requirements (Use local and general ventilation. Specific designs for storage rooms or vessels Recommended storage temperature: 15 – 25 °C Specific end use(s)).

SECTION 8 Exposure controls/personal protection

8.1 Control parameters

- Exposure above the recommended occupational exposure limit (OEL) may cause adverse health effects

8.2 Exposure controls

- Respiratory protection necessary at: Dust formation. Particulate filter device (EN 143). P1 (filters at least 80 % of airborne particles, colour code: White).
- 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.
- Wear suitable protective clothing in accordance with good chemical hygiene practices.



SECTION 9 Physical and chemical properties

9.1 Information on basic physical and chemical properties

- Appearance: Homogenous, free-flowing.
- Odor: Characteristic
- pH: 6.8 $\pm$ 0.2
- Melting point/Range: No information available
- Boiling Point/Range: Not applicable
- Flashpoint: No information available
- Evaporation Rate: Not applicable
- Flammability: this material is combustible, but will not ignite readily
- Vapor Pressure: No information available
- Vapor Density: No information available
- Specific Gravity: No information available
- Solubility in water: Completely soluble in water

SECTION 9 Physical and chemical properties (continued…)

- Partition Coefficient (n-Octanol/Water): No information available
- Autoignition Temperature: Product is not self-igniting
- Viscosity: Product is free flowing powder
- Explosive Properties: Product does not present an explosion hazard
- Oxidizing Properties: No information available

9.2 Other information

- No information available

SECTION 10 Stability and reactivity

10.1 Reactivity

- This material is not reactive under normal ambient conditions

10.2 Chemical stability

- The material is stable under normal ambient and anticipated storage and handling conditions of temperature and pressure Possibility of hazardous reactions

- No hazardous reactions known if used for its intended purpose.

10.3 Conditions to avoid

- there are no specific conditions known which have to be avoided

10.4 Incompatible materials

- Incompatible with oxidizing substances

10.5 Hazardous combustion products: see section 5

SECTION 11 Toxicological information

11.1 Information on toxicological effects

- Test data are not available for the complete mixture.
- Contact with skin: Shall not be classified as corrosive/irritant to skin.
- Contact with eyes: Shall not be classified as seriously damaging to the eye or eye irritant
- Ingestion: May cause irritation of the throat in sensitive individuals.
- Inhalation: Shall not be classified as a respiratory or skin sensitiser.
- Carcinogenicity: No evidence of carcinogenic effects.
- Mutagenicity: No evidence of mutagenic effects.
- Teratogenicity: No information available

SECTION 12 Ecological information

12.1 Toxicity

- Shall not be classified as hazardous to the aquatic environment..

12.2 Persistence and degradability

- No information available

12.3 Bioaccumulation Potential

- No information available

12.4 Mobility in soil

- No information available

12.5 Results of PBT and vPvB assessment

- Not a PBT according to REACH Annex XIII
- PBT/vPvB assessment not available

12.6 Other Adverse Effects

- To the best of our knowledge, the properties of this material have not been fully evaluated.
- On available data, substance is not harmful to the environment.

SECTION 13 Disposal considerations

13.1 Waste treatment methods

- Disposal should be in accordance with local, regional, national, and/or international regulations.
- Do not discharge into drains or the environment, dispose to an authorized waste collection point.

SECTION 13 Disposal considerations (continued…)

- Do not reuse empty containers without commercial cleaning or reconditioning.

13.2 Classification (REACH)

- Waste Codes in accordance with the European Waste catalogue (EWC) are origin-defined. Since this product is used in several industries, no Waste Code can be provided by the supplier. The Waste Code should be determined in arrangement with your waste disposal partner or the responsible authority.

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
- 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

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Revision: Rev. 0
Replaces: New issue

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