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

1.1 Product identifier

1.2 Product Name: **DEOXYCHOLATE CITRATE AGAR**

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

- Use of the substance/preparation: Laboratory chemical
- Use advised against: Do not use for products which come into contact with foodstuffs. Do not use for private purposes (household).

1.4 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

Mixture

Component	***Classification***	***Concentration***
Ferric ammonium citrate		
CAS No. : 1185-57-5 EC No. : 214-686-6	***As Per EC Regulation 1272/2008*** *Skin Irrit. 2;* *Eye Irrit. 2A; S* *TOT SE 3 H315; H319; H335*	*>=1.0 - <=10.0%*

Component	***Classification***	***Concentration***
Sodium nitrate		
CAS No. : 302-95-4 EC No. : 206-132-7	***As Per EC Regulation 1272/2008*** *Acute Tox.oral 4;* *STOT SE 3 H302; H335*	*>=1.0 - <=10.0%*

Refer Section 16 for complete statement of H codes and its classification.

SECTION 4 First aid measures

4.1 Description of first aid measures

- General
  No special measures are necessary.
- Contact with skin.
  Rinse skin with water/shower.

SECTION 4 First aid measures (continued…)

- Contact with eyes
  Rinse cautiously with water for several minutes.
- Ingestion
  Rinse mouth with water (do not swallow).
  If medical advice is needed, have product container or label at hand.
- Inhalation
  Provide fresh air.

4.2 Most important symptoms and effects, both acute and delayed
- Diarrhea, Vomiting

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
- Combustible

5.3 Advice for firefighters

- In case of fire and/or explosion do not breathe fumes.
- 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
- Wear protective clothing.
- Transfer to a disposable or recovery container.
- Ensure adequate ventilation.
- Protect from heat.
- Contain spilled material by diking or using inert absorbent.

6.2 Environmental Precautions
- Prevent from reaching drains, sewer or waterway.
- Collect contaminated soil for characterization per Section 13

6.3 Methods and material for containment and cleaning up
- Place into properly labeled containers for recovery or disposal.
- Avoid dispersal of dust in the air (i.e., clearing dust surfaces with compressed air).
- Place in sealable container.
- Collect solids in powder form using vacuum with (HEPA filter)

6.4 Reference to other sections
- See Section 7.

SECTION 7 Handling and storage

7.1 Precautions for safe handling

- Avoid breathing dust, mist, or vapor.
- Avoid contact with eyes, skin, and clothing.
- Wash hands after handling.
- Minimize dust generation and accumulation.
- Follow good hygiene procedures when handling chemical materials.
- Do not eat, drink, smoke, or use personal products when handling chemical substances.
- Use only in well-ventilated areas.

7.2 Conditions for safe storage, including any incompatibilities.

- Store with like hazards.
- Provide ventilation for containers.
- Avoid storage near extreme heat, ignition sources or open flames.
- Store away from foodstuffs.
- Store in cool, dry conditions in well-sealed containers.

SECTION 8 Exposure controls/personal protection

8.1 Control parameters

OSHA PEL TWA (Total Dust) 15 mg/m3 (50 mppcf*)
ACGIH TLV TWA (inhalable particles) 10 mg/m3

8.2 Exposure controls

- Safety glasses with side shields or goggles.
- The usual precautionary measures are to be adhered to when handling chemicals.
- Keep away from food, beverages and feed sources.
- Wash hands before breaks and at the end of work.
- Do not inhale gases/fumes/dust/mist/vapor/aerosols.
- Avoid contact with the eyes and skin.


Gloves


Safety Glasses


Lab Coat

SECTION 9 Physical and chemical properties

9.1 Information on basic physical and chemical properties

- Appearance: Homogenous, free-flowing.
- Odor: Characteristic odor
- pH: 7.3 – 7.7
- Melting point/Range: Not determined
- Boiling Point/Range: Not applicable
- Flashpoint: No information available
- Evaporation Rate: Not applicable
- Flammability: No information available
- 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

- No information available

10.2 Chemical stability

- No decomposition if used and stored according to specifications.

10.3 Conditions to avoid

- Avoid dust, incompatible products, excess heat.

10.4 Incompatible materials

10.5 Hazardous Decomposition Products

- No dangerous decomposition products known.

SECTION 11 Toxicological information

Information on toxicological effects

Acute toxicity: No data available

Skin corrosion/irritation: No data available

Serious eye damage/eye irritation: No data available

Respiratory or skin sensitization: No data available

Germ cell mutagenicity: No data available

Carcinogenicity:

IARC: No component of this product is present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

Reproductive toxicity: No data available

Specific target organ toxicity- single exposure: No data available

Aspiration hazard: No data available

Potential Health

Effects Inhalation: REFER SECTION 2

Skin: REFER SECTION 2

Eyes:REFER SECTION 2

Ingestion: REFER SECTION 2

Additional Information: RTECS: Not available

Components

Sodium Deoxycholate

Acute Oral Toxicity
Rat LD50: 1,370 mg/kg (As Per RTECS)
Rat Intraperitoneal LD50: 123 mg/kg
Rat Subcutaneous LD50: 2,430 mg/kg

Additional Information: RTECS FZ2250000

Ferric ammonium citrate

Acute Oral Toxicity RatLD50: >2000 mg/kg
Acute Potential Health Effects Skin Contact may cause irritation or rash, particularly with moist skin.
Eyes May cause eye irritation with redness, tearing, and abrasion.
Inhalation Inhalation of high concentrations of dust may cause nasal, throat or lung irritation. Symptoms may include coughing and wheezing. Ingestion Ingestion can produce gastrointestinal tract irritation with hyper motility, diarrhea.

Chronic Potential Health Effects Eyes Prolonged eye contact may cause a brownish discoloration of the eyes. Skin Prolonged skin contact may cause skin irritation.
Additional information: RTECS: GE7540000

- SECTION 12 Ecological information

12.1 Toxicity
- No information available.

12.2 Persistence and degradability

- Readily degradable in the environment.

12.1 Bioaccumulative potential:Bioaccumulation Potential
- No information available

12.2 Mobility in soil
- No information available

12.3 Other Adverse Effects
- No information available

SECTION 13 Disposal considerations

13.1 Waste treatment methods

- Do not allow products to reach sewage system or open water.
- It is the responsibility of the waste generator to properly characterize all waste materials according to applicable regulatory entities (US 40CFR262.11).
- Consult federal state/ provincial and local regulations regarding the proper disposal of waste material that may incorporate some amount of this product.

- 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 dangerous goods

14.2 UN Proper Shipping Name
- Not dangerous goods

14.3 Packing group
- Not dangerous goods

14.4 Environmental hazards
- Not Classified

14.5 Special precautions for user
- Not Classified

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

14.7 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

14.8 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

14.9 Ocean/Sea (IMO/IMDG)
- Proper Shipping Name: Not applicable
- IMDG UN No.: Not applicable
- IMDG Hazard Class: Not applicable
- IMDG Packing Group: Not applicable.

14.10 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

This safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006

Safety health and environment regulations/legislation specific for the substance or mixture

No data available

Chemical Safety Assessment

No data available

SECTION 16 Other information

Full text of H-Statements referred to under sections 2 and 3

H302 - Harmful if swallowed
H315 - Causes skin irritation
H319 - Causes serious eye irritation
H335 - May cause respiratory irritation

Date of Preparation: January 2024
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.