



## SAFETY DATA SHEET

### SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

#### 1.1 Product Identifier:

**Product Name:** ESCULIN REAGENT – 1% FERRIC AMMONIUM CITRATE

**Catalog Numbers:** AS-713

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

**Intended Purpose:** TruPRAS™ Anaerobic Culture Media is intended for the transport, preservation, or cultivation of a wide variety of microorganisms from specimens to aid in the isolation of bacteria for in vitro diagnostic and / or research / general laboratory purposes.

**Intended Users:** Scientists, laboratory and healthcare professionals trained in anaerobic microbiology techniques working in areas such as clinical, research, industrial, pharmaceutical and veterinary applications.

**Restrictions on Use:** No information available.

#### 1.3 Details of the supplier of the safety data sheet:

**Manufacturer:** Anaerobe Systems  
15906 Concord Circle  
Morgan Hill, CA 95037  
Telephone: (408) 782-7557 or (800) 443-3108  
Email: [tech@biolog.com](mailto:tech@biolog.com)

#### 1.4 Emergency Contact:

Anaerobe Systems (408) 782-7557  
CHEMTREC (800) 424-9300 (24 hr. service)

### SECTION 2: HAZARD(S) IDENTIFICATION

#### 2.1 Classification of the substance or mixture:

**Hazard Classification:** OSHA 29 CFR 1910.1200, CLP/GHS Regulation (EC) 1272/2008  
Not classified as a hazardous substance or mixture.

#### 2.2 Label elements:

**GHS Label Elements:** Product contains no substances considered to be hazardous at their given concentration

**Signal Word:** None

**Hazard Pictogram:** None

**Hazards not otherwise classified (HNOC):**  
None

**Precautionary Statement:** Wash hands thoroughly after handling. Wear protective gloves and eye protection if splashing is likely.

#### 2.3 Other hazards:

Contains no PBT or vPvB substances according to REACH No 1907/2006. This mixture does not contain substances with endocrine disrupting properties in accordance with the criteria laid down in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605.



## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

### 3.1 Substance:

This product is a mixture of substances for culture media and contains no hazardous constituents, or the concentration of all chemical constituents is below the regulatory threshold limits described in the OSHA Hazard Communication Standard 29 CFR 1910.1200 and Regulation (EC) 1272/2008. Major components are only listed for reference.

### 3.2 Mixtures:

Component Name	CAS No.	Weight %
Ferric ammonium citrate	1185-57-5	1.0

## SECTION 4: FIRST AID MEASURES

### 4.1 Description of first aid measures:

General Information: No special measures required

Skin Contact: Immediately wash affected area with plenty of soap and water. Rinse thoroughly.

Eye Contact: Immediately rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

Inhalation: If breathing is difficult, remove victim to fresh air and keep at rest in a comfortable position for breathing.

Ingestion: Rinse mouth with water (do not swallow). Never make an unconscious person vomit or drink fluids.

Medical Attention: If skin/eye irritation or a rash occurs, if experiencing respiratory symptoms, or if you feel unwell after exposure, seek medical advice/attention.

### 4.2 Most important symptoms and effects, both acute and delayed:

May cause irritation. No further information is available.

### 4.3 Indication of any immediate medical attention and special treatment needed:

Treat symptomatically. No further information is available.

## SECTION 5: FIRE-FIGHTING MEASURES

### 5.1 Extinguishing Media:

Suitable Extinguishing Media: Substance is nonflammable; use agent most appropriate to extinguish surrounding fire.

Unsuitable Extinguishing Media: No information available.

### 5.2 Special Hazards Arising from the Substance or Mixture:

Small volumes of decomposition products during a fire may include carbon oxides.

### 5.3 Advice for Firefighters:

Use protective equipment suitable to extinguish surrounding fire.



## SECTION 6: ACCIDENTAL RELEASE MEASURES

### 6.1 Personal Precautions, protective equipment, and emergency procedures:

Use personal protective equipment as per section 8. Wash thoroughly after dealing with spillage.

### 6.2 Environmental Precautions: No special measures are required.

### 6.3 Methods and materials for containment and cleaning up:

Absorb spillage in inert material. Place it in a sealable container. Seal and label. Wash spill site (cover drains) after material pick up is complete. Seek expert advice for removal and disposal of all contaminated materials and waste.

## SECTION 7: HANDLING AND STORAGE

**7.1 Precautions for safe handling:** Handle in accordance with good industrial hygiene and safety practice. Avoid inhalation and contact with skin and eyes. Eyewash stations/bottles should be available. Do not eat, drink, or smoke when using this product. Wash hands thoroughly after using this product.

### 7.2 Conditions for safe storage, including any incompatibilities:

**Storage:** Store at temperatures between 2 - 8°C (35 - 46°F). Keep package sealed until ready to use. Once removed from the packaging, store in anaerobic conditions protected from light.

**Incompatible Products:** No information available.

**7.3 Specific end use(s):** The identified uses for this product are detailed in Section 1.2

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

**8.1 Control Parameters:** This product contains no substances with occupational permissible exposure limit values (PEL), or Threshold Limit Values (TLV).

### 8.2 Exposure Controls:

**Engineering Controls:** Ensure that eyewash stations and safety showers are close to the workstation location. Ensure adequate ventilation, especially in confined areas.

**Personal Protective Equipment:** Good laboratory practices and usual precautionary measures for handling chemicals should be followed.

**Eye/Face Protection:** Wear appropriate protective eyeglasses, chemical safety goggles, or face shield as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN 166.

**Skin and Body Protection:** Wear appropriate protective gloves and clothing to prevent skin exposure when handling inoculated media. Select appropriate protective clothing specifically for the workplace after risk assessment. Dispose contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands after use.



**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 respirators 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. Wash hands after direct contact. Do not wear product-contaminated clothing for prolonged periods. Remove and wash contaminated clothing before re-use. Do not eat, drink, or smoke when using this product.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

### 9.1 Information on Basic Physical and Chemical Properties:

Physical State:	Liquid
Appearance:	Transparent
Color:	Green to brown
Odor:	No data available
Odor threshold:	No data available
pH:	No data available
Melting/Freezing Point:	No data available
Boiling Point/Range:	No data available
Flash Point:	No data available
Evaporation Rate:	No data available
Flammability (solid, gas):	No data available
Flammability Limits in Air:	
Upper	No data available
Lower	No data available
Vapor Pressure:	No data available
Vapor Density:	No data available
Specific Gravity:	No data available
Water Solubility:	Soluble
Solubility in Other Solvents:	No data available
Partition Coefficient: n-octanol/water:	No data available
Autoignition Temperature:	No data available
Decomposition Temperature:	No data available
Kinematic Viscosity:	No data available
Dynamic Viscosity:	No data available
Explosive Properties:	No data available
Oxidizing Properties:	No data available

### 9.2 Other Information

Softening Point:	No data available
VOC Content (%):	No data available
Particle Size:	No data available
Particle Size Distribution:	No data available

## SECTION 10: STABILITY AND REACTIVITY

**10.1 Reactivity:** None known, based on data available.

**10.2 Chemical Stability:** Stable under normal conditions.



- 10.3 Possibility of Hazardous Reactions:** None known, based on data available.
- 10.4 Conditions to Avoid:** Excess heat and freezing conditions.
- 10.5 Incompatible Materials:** Oxidizing substances.
- 10.6 Hazardous Decomposition Products:** No data available
- Hazardous Polymerization: Does not occur.
- Hazardous Reactions: No hazardous reaction if used for its intended purpose.

## SECTION 11: TOXICOLOGICAL INFORMATION

### 11.1 Information on hazard classes:

#### Information on Toxicological Effects

Likely Route of Exposure: Eye contact, skin contact, and/or ingestion.

Symptoms: Slight mucosal irritation.

#### Delayed and Immediate Effects and Chronic Effects from Short- and Long-Term Exposure

Sensitization: No data available

Reproductive Toxicity: No data available

Aspiration Hazard: No data available

Mutagenic Effects: No data available

Carcinogenicity (IARC, NTP, OSHA, ACGIH): No component of this product presents at levels greater than or equal to 0.1% is identified as a probable, possible, or known/confirmed human carcinogen.

STOT\*-Single Exposure:  
(\*-specific target organ toxicity) Not classified

STOT\*-Repeated Exposure:  
(\*-specific target organ toxicity) No data available

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

### 11.2 Information on Other Hazards:

Endocrine disrupting properties: The product/mixture has no endocrine disrupting properties.

## SECTION 12: ECOLOGICAL INFORMATION

**12.1 Ecotoxicity:** No data available

**12.2 Persistence and Degradability:** No data available

**12.3 Bioaccumulation Potential:** No data available

**12.4 Mobility in Soil:** No data available



**12.5 Result of PBT and vPvB assessment:** No data available

**12.6 Endocrine disrupting properties:** The product/mixture has no endocrine disrupting properties.

**12.7 Other Adverse Effects:** The ecological effects have not been thoroughly investigated but currently none have been identified.

## SECTION 13: DISPOSAL CONSIDERATIONS

### 13.1 Waste Treatment Methods:

The information presented only applies to the material as supplied. The considerations may not apply if the material has been used or otherwise contaminated. It is the responsibility of the waste generator to determine the toxicity and physical properties of the final waste generated to determine the proper disposal methods in accordance with all applicable federal, state, and local regulations.

**Disposal Method:** This material, as supplied, is not regarded as hazardous waste. Dispose of in accordance with all applicable federal, state, and local regulations.

**Contaminated Packaging:** Do not reuse empty containers. Dispose of in accordance with all applicable federal, state, and local regulations.

## SECTION 14: TRANSPORTATION INFORMATION

**14.1 UN Number:** Not classified as hazardous for transport

**14.2 UN Proper Shipping Name:** Not applicable

**14.3 Transport Hazard Class:** Not applicable

**14.4 Packing Group:** Not applicable

**14.5 Environmental Hazard:** Not classified

**14.6 Special Precautions for User:** Not relevant

**Transport in Bulk:** Not classified

**Land Transport (DOT):** Not dangerous goods; this material is considered non-hazardous for transport.

**Road/Rail (ADR/RID):** Not dangerous goods; this material is considered non-hazardous for transport.

**Air Transport (IATA):** Not dangerous goods; this material is considered non-hazardous for transport.

**Sea Transport (IMDG):** Not dangerous goods; this material is considered non-hazardous for transport.

### 14.7 Maritime transport in bulk according to IMO instruments

Not relevant

## SECTION 15: REGULATORY INFORMATION

### 15.1 Safety, health and environmental regulations specific to this substance or mixture

**SARA Section 302:** No chemicals in this material are subject to the reporting requirements of SARA Title III Section 302.



SARA Section 313:	This material does not contain any chemical components with known CAS numbers that exceed the threshold (de minimis) reporting levels established by SARA Title III Section 313.
SARA Section 311/312:	No SARA hazards.
TSCA (Toxic Substance Control Act):	Substance is not listed.
California Proposition 65:	This product does not contain any chemicals known to the State of California to cause cancer, birth defects, or any other reproductive harm.
<b>15.2 Carcinogenic Categories</b>	
NTP (National Toxicology Program):	Substance not listed.
TLV (Threshold Limit Value):	Substance is not listed.
Product Related Hazard Information:	Observe the general safety regulations when handling chemicals.
Water Hazard Class:	Generally, it is not hazardous for water.

## SECTION 16: OTHER INFORMATION

The above information is believed to be correct but does not purport to be all inclusive and should be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product regarding appropriate safety precautions. It does not represent any guarantees of the properties of the product. Anaerobe Systems shall not be held liable for any damage resulting from handling or from contact with the above product.

### Regulatory References:

Hazard Communication Standard (HCS) 2012 (29 CFR 1910.1200)

Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008

Commission Regulation (EU) 2020/878 amending Annex II to Regulation (EC) No 1907/2006

**END OF SAFETY DATA SHEET**