

**SAFETY DATA SHEET**

Creation Date 07-Jul-2022

Revision Number 5

**1. Identification****Product Identifier****Product Name** FerAppease® Bovine**Recommended use of the product and restrictions on use****Recommended Use**

FerAppease Bovine Appeasing Substances is recommended for use in only healthy cattle for daily maintenance of balanced behaviour and prior to environmental stresses such as handling, transportation, temperature, etc. For cattle weighing above 90 kg (200 lb.), apply a total dose of 10 mL. Apply 5 mL of FerAppease Bovine Appeasing Substances to the nuchal skin and a second 5 mL application to the skin above the muzzle. For calves weighing less than 90 kg (200 lb.), apply a total dose of 5 mL. Apply 2.5 mL of FerAppease Bovine Appeasing Substances to the nuchal skin and a second 2.5 mL application to the skin above the muzzle. Apply FerAppease Bovine Appeasing Substances as a single dose (once) every 14 days. FerAppease Bovine Appeasing Substances is for topical administration to the nuchal skin and the skin above the muzzle.

**Details of the supplier of the safety data sheet****Company**

Fera Diagnostics and Biologicals Corp.  
5900 Matrix, suite 10  
College Station, Texas, 77845

**Emergency Telephone Number**

+1-979-213-6470

**2. Hazard(s) identification****GHS Classification**

Aspiration hazard Category – 1

**Label Element**

Hazard Symbol:



Signal Word: DANGER- Aspiration Hazard if it enters airways

Hazard Statements: H304 May be fatal if swallowed and enters airways

**Precautionary Statement**

Response: If SWALLOWED: Immediately call a POISON CENTER or doctor/physician  
Do NOT induce vomiting  
Avoid breathing vapors. If inhaled, remove person to fresh air  
Wash thoroughly after handling

Keep out of reach of children  
Read label before use

Storage: Store Locked up

Disposal: Dispose of contents / container in accordance with local/regional/national/international regulations.

### 3. Composition/Information on Ingredients

#### Mixture

| Component   | CAS-No     | Weight % |
|---|------------|----------|
| Mineral Oil, USP grade  | 8042-47-5  | 89       |
| FerAppease Active Blend<br>[Proprietary Blend of Fatty Acids] | N/A        | 10       |
| Mixed Tocopherols   | 10191-41-0 | 1        |
| D&C Green #6 / CI61565 / Solvent<br>Green 3                   | 128-80-3   | <0.1     |

### 4. First-aid measures

|  |   |
|--|---|
| <b>Eye Contact</b>                         | Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. If symptoms persist, call a physician. |
| <b>Skin Contact</b>                        | Wash off immediately with plenty of water for at least 15 minutes. Get medical attention if symptoms occur.                     |
| <b>Inhalation</b>                          | Remove to fresh air. Get medical attention immediately if symptoms occur.   |
| <b>Ingestion</b>                           | Do NOT induce vomiting. Get medical attention immediately if symptoms occur.  |
| <b>Most important symptoms and effects</b> | No information available.   |

**Notes to Physician**

Treat symptomatically.

**5. Fire-fighting measures**

**Suitable Extinguishing Media** In case of fire use, use water, dry chemical, chemical foam, carbon dioxide, or alcohol-resistant foam.

**Unsuitable Extinguishing Media** Caution! Use of water spray when fighting fire may be inefficient.

**Specific Hazards Arising from the substance or mixture** No information available.

**Hazardous Combustion Products** Carbon Oxides.

**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.

**6. Accidental release measures****Personal Precautions**

Use personal protective equipment as required. Ensure adequate ventilation. Ensure that air-handling systems are operational.

Observe emergency procedures. Consult an expert.

**Environmental Precautions**

Should not be released into the environment. Prevent from reaching drains, sewer, or waterway.

**Methods for Containment and Clean**

Soak up with inert absorbent material. Keep in suitable, closed containers for disposal.

**7. Handling and storage**

**Handling** Observe label. Ensure adequate ventilation.

**Storage and incompatibilities** Keep containers tightly closed in a dry, cool and well-ventilated place. Keep away from heat, hot surfaces and sources of ignition. Store at room temperature. None incompatibility known based on information supplied.

**8. Exposure controls / personal protection**

**Exposure Guidelines** There is no exposure data pertaining to the product.

**Engineering Measures**

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

**Appropriate Engineering controls**

**Respiratory** If vapor or mist is generated by heating or spraying, etc, wear an air purifying respirator with mist filter.



|                                 |  |
|---------------------------------|--|
| <b>Eye/face Protection</b>      | Wear glasses with side shield or goggles in case of splashing.         |
| <b>Skin and body protection</b> | No special protective equipment required.                              |
| <b>Respiratory Protection</b>   | No protective equipment is needed under normal use conditions.         |
| <b>Hygiene Measures</b>         | Handle in accordance with good industrial hygiene and safety practice. |

## 9. Physical and chemical properties

|   |                          |
|---|--------------------------|
| <b>Physical State</b>                         | Viscous liquid           |
| <b>Appearance</b>                             | Blue-green               |
| <b>Odor</b>                                   | none                     |
| <b>pH</b>                                     | 5.2-7.5 100g/l aq. sol   |
| <b>Melting Point/Range</b>                    | -36.3°C                  |
| <b>Boiling Point/Range</b>                    | 343°C                    |
| <b>Flash Point</b>                            | 176°C                    |
| <b>Evaporation Rate</b>                       | No information available |
| <b>Flammability (solid, gas)</b>              | No information available |
| <b>Vapor Pressure</b>                         | <0.1 kPa at 20°C         |
| <b>Vapor Density</b>                          | No information available |
| <b>Solubility</b>                             | Soluble in oil           |
| <b>Partition coefficient; n-octanol/water</b> | No data available        |
| <b>Autoignition Temperature</b>               | 336°C                    |
| <b>Decomposition Temperature</b>              | No information available |
| <b>Viscosity</b>                              | 12-13 cSt, at 40°C       |

## 10. Stability and reactivity

|   |   |
|---|---|
| <b>Reactive Hazard</b>                  | Nonreactive under normal conditions.          |
| <b>Stability</b>                        | Stable under normal conditions.               |
| <b>Conditions to Avoid</b>              | None known.                                   |
| <b>Incompatible Materials</b>           | None known based on the information supplied. |
| <b>Hazardous Decomposition Products</b> | Carbon oxides.                                |
| <b>Hazardous Polymerization</b>         | Hazardous polymerization does not occur.      |
| <b>Hazardous Reactions</b>              | None under normal processing.                 |

## 11. Toxicological information

There is no data for this product. The information included in this section describes the potential hazards of the product.

### Information on likely routes of exposure

|                            |   |
|----------------------------|---|
| <b>Product Information</b> | Product does not present an acute toxicity hazard based on known or supplied information. |
| <b>Eye Contact</b>         | Eye contact Specific test data for the substance or mixture is not available.             |
| <b>Inhalation</b>          | Specific test data for the substance or mixture is not available.                         |

**Skin contact** Specific test data for the substance or mixture is not available.

**Ingestion** Specific test data for the substance or mixture is not available.

| Chemical Name                       | Oral LD50        | Dermal LD50 | Inhalation LC50 |
|-------------------------------------|------------------|-------------|-----------------|
| Mineral Oil, USP grade<br>8042-47-5 | >5000mg/kg (Rat) | -           | -               |

**Information on toxicological effect**

**Symptoms** No information available.

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

**Irritation** No information available.

**Sensitization** No information available.

**Carcinogenicity** Not available.

**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** Aspiration hazard Category – 1

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

**Information**

**Numerical measures of toxicity – Product information**

Not applicable.

## 12. Ecological information

There is no ecological data on the Product. The Product ingredients are expected to be safe for the environment at concentrations predicted under normal use and accidental spill scenarios. Packaging components are compatible with the conventional solid waste management practices.

**Ecotoxicity** The environmental impact of this product has not been fully investigated.

**Persistence and Degradability** No information available.

**Bioaccumulation** No information available

|                                     |                           |
|-------------------------------------|---------------------------|
| <b><u>Mobility</u></b>              | Not available.            |
| <b><u>Other adverse effects</u></b> | No information available. |

### 13. Disposal considerations

#### Disposal methods

This product as supplied, is not a hazardous waste according to Federal regulations (40 CFR 261). This material could become a hazardous waste if it is mixed with or otherwise comes in contact with a hazardous waste, if chemical additions are made to this material, or if the material is processed or otherwise altered. Consult 40 CFR 261 to determine whether the altered material is a hazardous waste. Consult the appropriate state, regional, or local regulations for additional requirements.

#### Contaminated Packaging

Dispose of contents/containers in accordance with local regulations.

### 14. Transport information

|      |               |
|------|---------------|
| DOT  | Not regulated |
| TDG  | Not regulated |
| MEX  | Not regulated |
| ICAO | Not regulated |
| IATA | Not regulated |
| IMDG | Not regulated |
| RID  | Not regulated |
| ADR  | Not regulated |
| ADN  | Not regulated |

### 15. Regulatory information

#### International Inventories

|                    |          |
|--------------------|----------|
| <b><u>TSCA</u></b> | Complies |
|--------------------|----------|

#### U.S. Federal Regulations

|                        |                |
|------------------------|----------------|
| <b><u>SARA 313</u></b> | Not applicable |
|------------------------|----------------|

#### SARA 311/312 Hazard Categories

|                                   |                                      |
|-----------------------------------|--------------------------------------|
| Acute Health Hazard               | Yes (Aspiration hazard Category – 1) |
| Chronic Health Hazard             | No                                   |
| Fire Hazard                       | No                                   |
| Sudden release of pressure hazard | No                                   |
| Reactive Hazard                   | No                                   |

|                       |                |
|-----------------------|----------------|
| CWA (Clean Water Act) | Not applicable |
|-----------------------|----------------|



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|               |                |
|---------------|----------------|
| Clean Air Act | Not applicable |
|---------------|----------------|

|        |                |
|--------|----------------|
| CERCLA | Not applicable |
|--------|----------------|

|                           |   |
|---------------------------|---|
| California Proposition 65 | This product does not contain any Proposition 65 chemicals. |
|---------------------------|---|

|                                      |  |
|--------------------------------------|--|
| U.S. State Right-to-Know Regulations |  |
|--------------------------------------|--|

|                                      |  |
|--------------------------------------|--|
| U.S. Department of Homeland Security | This product does not contain any DHS chemical |
|--------------------------------------|--|

|                |                       |
|----------------|-----------------------|
| Label elements | For external use only |
|----------------|-----------------------|

**International regulations****Mexico****National occupational exposure limits**

Component :

Mineral Oil (CAS 8042-47-5)

Carcinogenic status :

Exposure :

Mexico TWA 5mg/m3 ; Mexico STEL 10mg/m3

**Canada**

Not determined.

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**16. Other information**

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|             |   |
|-------------|---|
| Prepared By | Regulatory/Operations<br>Office<br>Fera Diagnostics and<br>Biologicals Corp.<br>Email: <a href="mailto:inquiry@feraah.com">inquiry@feraah.com</a> |
|-------------|---|

|               |             |
|---------------|-------------|
| Creation Date | 07-Jul-2022 |
| Revision Date | 03-Jan-2025 |

**Print Date****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 in 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 guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered 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 materials or in any process, unless specified in the text.

**End of SDS**

