



SAFETY DATA SHEET

Creation Date 15-Dec-2022

Revision Date 08-Mar-2022

Revision Number 1

1. Identification

Product Identifier

Product Name FerAppease

Recommended use of the product and restrictions on use

Recommended Use FerAppease® is for use only in healthy cattle by 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

Classification of the substance or mixture

No OSHA hazard classifications applicable.

Label Element

None required.

Hazard Statement

Not identified.

3. Composition/Information on Ingredients

Mixture

Component	CAS-No	Weight %
Synthetic Analogue of Bovine Appeasing Substance (BAS)* *Composition: Proprietary Mixture of Fatty Acids Esters **Pat. Pending 63/319,545	NA	10%
Mineral oil, USP grade	8042-47-5	90%

4. First-aid measures

Eye Contact	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. If symptoms persist, call a physician.
Skin Contact	Wash off immediately with plenty of water for at least 15 minutes. Get medical attention if symptoms occur.
Inhalation	Remove to fresh air. Get medical attention immediately if symptoms occur.
Ingestion	Do NOT induce vomiting. Get medical attention immediately if symptoms occur.
Most important symptoms and effects	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.

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

<u>Exposure Guidelines</u>	There is no exposure data pertaining to the product.
<u>Engineering Measures</u>	Ensure adequate ventilation, especially in confined areas. Ensure that eyewash stations and safety showers are close to the workstation location.
<u>Appropriate Engineering controls</u>	
Eye/face Protection	No special protective equipment required.
Skin and body protection	No special protective equipment required.
Respiratory Protection	No protective equipment is needed under normal use conditions.
Hygiene Measures	Handle in accordance with good industrial hygiene and safety practice.

9. Physical and chemical properties

Physical State	Viscous liquid
Appearance	Colorless
Odor	Characteristic
Odor Threshold	No information available
pH	5.2-7.5 100g/l aq. sol
Melting Point/Range	No information available
Boiling Point/Range	No information available
Flash Point	No information available
Evaporation Rate	No information available
Flammability (solid, gas)	No information available
Vapor Pressure	No information available
Vapor Density	No information available
Solubility	Soluble in oil
Partition coefficient; n-octanol/water	No data available
Autoignition Temperature	No information available
Decomposition Temperature	No information available
Viscosity	No information available

10. Stability and reactivity

Reactive Hazard	No data available.
Stability	Stable under normal conditions.
Conditions to Avoid	None known.
Incompatible Materials	None known based on the information supplied.
Hazardous Decomposition Products	Carbon oxides.
Hazardous Polymerization	Hazardous polymerization does not occur.
Hazardous Reactions	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 individual ingredient.

Information on likely routes of exposure

Product Information	Product does not present an acute toxicity hazard based on known or supplied information.
Eye Contact	Eye contact Specific test data for the substance or mixture is not available.
Inhalation	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 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	No information available.
Symptoms / effects, both acute and delayed,	
Endocrine Disruptor Information	No information available.

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.

<u>Ecotoxicity</u>	The environmental impact of this product has not been fully investigated.
<u>Persistence and Degradability</u>	No information available.
<u>Bioaccumulation</u>	No information available.
<u>Mobility</u>	Not available.
<u>Other adverse effects</u>	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

TSCA Complies

U.S. Federal Regulations

SARA 313 Not applicable

SARA 311/312 Hazard Categories

Acute Health Hazard	No
Chronic Health Hazard	No
Fire Hazard	No
Sudden release of pressure hazard	No
Reactive Hazard	No

CWA (Clean Water Act) Not applicable

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/m ³ ; Mexico STEL 10mg/m ³

Canada

Not determined.

16. Other information

Prepared By Regulatory/Operations
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Fera Diagnostics and
Biologicals Corp.
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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