



# SAFETY DATA SHEET

Creation Date: 25-JAN-2019

Revision Date: N/A

Version: 001

Page 1 of 5

## 1. IDENTIFICATION OF THE SUBSTANCE OR MIXTURE AND THE MANUFACTURER

**Product Identifier** FREUND'S INCOMPLETE ADJUVANT  
**Trade Name** None  
**Recommended Use** Veterinary Adjuvant for laboratory/experimental use  
**Manufacturer** Colorado Serum Company - Reagent Division  
4950 York Street – P.O. Box 16428  
Denver, CO 80216  
**Emergency Phone No.** 303-295-7527

## 2. HAZARDS IDENTIFICATION

**Hazard Classification** Not Classified  
**Hazard Statements** Not Classified  
**Signal Word** Not Classified  
**Other Hazards** May cause allergic reaction with skin exposure.  
**Unknown acute toxicity** None known  
**Precautionary Statements** For veterinary/experimental use. Use only as recommended. Not for human use. Determination of the suitability of this product is the sole responsibility of the purchaser / user.

## 3. COMPOSITION / INFORMATION ON INGREDIENTS

CATEGORY	COMMON NAME	CAS NO.	%
<b>CHEMICAL NAME</b>			
Drakeol 6VR	Mineral Oil	8042-47-5	*
Mannide Monooleate (C <sub>24</sub> H <sub>44</sub> O <sub>7</sub> )	None	9049-98-3	*

\*The components are not hazardous or are below required disclosure limits. The percent of each ingredient is proprietary.

See Section 13 for disposal considerations.

# SAFETY DATA SHEET

FREUND'S INCOMPLETE ADJUVANT

Creation Date: 25-JAN-2019

Revision Date: N/A

Colorado Serum Company

Version: 001 Page 2 of 5

## 4. FIRST AID MEASURES

### Necessary First-Aid Instructions:

This product contains no live organisms. For veterinary use only. Use only as recommended. Accidental human exposure may result in an allergic reaction.

Accidental injection: Contact a physician. Local reaction at injection site (swelling) may occur. Infection at injection site may occur from contaminated equipment.

Eye Contact: Immediately flush eyes with water for at least 10 minutes.

Skin Contact: Wash skin with soap and water.

Ingestion: Contact a physician.

Inhalation: Contact a physician.

**Important Symptoms or Effects - Acute or Delayed:** Exposure has potential for allergic reaction.

**Recommendations for Immediate Care and Special Treatment:** Contact a physician if ingested. Treat symptomatically.

**General Information:** NOT FOR HUMAN USE.

## 5. FIRE FIGHTING MEASURES

**Suitable Extinguishing Equipment:** Water, Carbon dioxide, Dry Chemical

**Unsuitable Extinguishing Equipment:** Not known

**Specific Hazards Arising from Substance or Mixture:** Avoid causing aerosol.

**Fire Fighting: Special Protective Equipment:** Firefighters: Wear appropriate personal protective equipment as conditions warrant, which may include self-contained breathing apparatus. Avoid aerosols and environmental release.

## 6. ACCIDENTAL RELEASE MEASURES

**Personal Precautions:** Use as directed. It is an aqueous suspension not expected to support combustion.

**Protective Equipment:** Use protective gloves and eye/face shield as indicated.

**Emergency Procedures:** None

**Containment Methods:** Isolate a spill and clean up by absorption and flush area with water. Product is not infective.

**Clean Up Procedures:** Utilize absorbent material to soak up spill. See Section 13 for disposal.

# SAFETY DATA SHEET

FREUND'S INCOMPLETE ADJUVANT

Creation Date: 25-JAN-2019

Revision Date: N/A

Colorado Serum Company

Version: 001 Page 3 of 5

## 7. HANDLING AND STORAGE

**Precautions for Safe Handling:** Avoid contact with skin, eyes and clothing. Use only with adequate ventilation. Wash hands thoroughly after handling. Avoid breathing mists or aerosols of this product. Use appropriate personal protective equipment and avoid accidental injection.

**Storage Conditions:** Store only in unopened containers. Store at 2 to 8° C or as recommended in accompanying literature provided by the manufacturer.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**OSHA Permissible Exposure Limits (PEL):** Exposure limits for ingredients are not noted.

**American Conference of Governmental**

**Industrial Hygienists (ACGIH):** Not known

**Threshold Limit Values (TLV):** Not known

**Engineering Controls:** Not known

**Personal Protective Measures:** Safety glasses with side shields, or face shield, rubber/latex/vinyl gloves. Wash hands after handling.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance/Physical State:</b>	Opaque off-white emulsification in sealed container
<b>Odor:</b>	No data available
<b>Odor Threshold:</b>	No data available
<b>Vapor Density:</b>	No data available
<b>PH:</b>	No data available
<b>Melting/Freezing Points:</b>	No data available
<b>Solubility:</b>	No data available
<b>Initial Boiling Point &amp; Range:</b>	No data available
<b>Flash Point:</b>	No data available
<b>Evaporation Rate:</b>	No data available
<b>Flammability (solid, gas):</b>	No data available
<b>Flammability/Explosive limits:</b>	No data available
<b>Vapor Pressure/Vapor Density:</b>	No data available
<b>Relative Density:</b>	No data available
<b>Solubility:</b>	No data available
<b>Partition Coefficient: n-octanol/water</b>	No data available
<b>Auto-ignition Temperature:</b>	No data available
<b>Decomposition Temperature:</b>	No data available
<b>Viscosity:</b>	No data available

# SAFETY DATA SHEET

FREUND'S INCOMPLETE ADJUVANT

Creation Date: 25-JAN-2019

Revision Date: N/A

Colorado Serum Company

Version: 001 Page 4 of 5

## 10. STABILITY AND REACTIVITY

**Reactivity:** Product is stable only when stored according to label or accompanying instructions provided by the manufacturer and for the recommended storage time. Thereafter, the product may not be of value for intended use.

**Chemical Stability:** Product is stable under normal conditions.

**Oxidizing Properties:** No data available

**Conditions to Avoid:** Store at 2 to 8° C. Prolonged exposure to higher temperatures may adversely affect suitability. Do not freeze unless specifically provided from the manufacturer.

**Incompatible Materials:** Use only as an adjuvant for veterinary applications.

**Hazardous Decomposition Products:** None expected.

## 11. TOXICOLOGICAL INFORMATION

**Likely Routes of Exposure:** Accidental exposure is most likely to be topical.

**Physical, Chemical and Toxicological Symptoms:** No data available

**Delayed and Immediate Effects of Exposure:** No data available

**Acute Toxicity Estimates:** No data available

**Carcinogenic Properties:** No data available

## 12. ECOLOGICAL INFORMATION

Not available

## 13. DISPOSAL CONSIDERATIONS

Dispose of such that it is taken to an approved landfill.

## 14. TRANSPORT INFORMATION

Not required information

# SAFETY DATA SHEET

**FREUND'S INCOMPLETE ADJUVANT**

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Colorado Serum Company

Version: 001 Page 5 of 5

## 15. REGULATORY INFORMATION

Not required information

## 16. OTHER INFORMATION

**SDS Code:** Not applicable

**SDS Preparation Date:** 25-JAN-2019

**Latest Revision Date:** N/A

**Reasons for Revision:** N/A

**Data Sources:** Information included in this SDS may have been gathered from confidential internal sources, raw material suppliers, or from published literature.

**Prepared by:** Colorado Serum Company Regulatory Department

Colorado Serum Company believes that the information contained in this Safety Data Sheet is accurate and provided in good faith. It is without warranty of any kind, expressed or implied. If data for a hazard is not included in this document, there is no known information at this time.

**END OF SAFETY DATA SHEET**