Material Safety Data Sheet
Silver Sulfadiazine 1% Cream AF

1. Substance/preparation and Company identification
Company
Dr. Reddy’s Laboratories
8800 Line Avenue
Shreveport, Louisiana 71106, USA

2. Composition information on the Ingredients

<table>
<thead>
<tr>
<th>CAS Number</th>
<th>Content (W/W)</th>
<th>Chemical Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>7732-18-5</td>
<td>60-80%</td>
<td>Water</td>
</tr>
<tr>
<td>8009-03-8</td>
<td>5-15%</td>
<td>Petrolatum</td>
</tr>
<tr>
<td>9004-99-3</td>
<td>3-7%</td>
<td>Ethoxylated stearic acid</td>
</tr>
<tr>
<td>112-92-5</td>
<td>3-7%</td>
<td>1-Octadecanol</td>
</tr>
<tr>
<td>57-55-6</td>
<td>1-5%</td>
<td>Propylene glycol</td>
</tr>
<tr>
<td>110-27-0</td>
<td>1-5%</td>
<td>Tetradecanoic acid, 1-methylethyl ester</td>
</tr>
<tr>
<td>22199-08-2</td>
<td>1%</td>
<td>Silver sulfadiazine</td>
</tr>
</tbody>
</table>

3. Hazard Identification

Emergency Overview
Caution: May cause eye, skin, and respiratory tract irritation.
Ingestion: May cause gastric disturbances.
May cause sensitization by skin contact.
Avoid contact with the skin, eyes, and clothing.

Potential Health Effects
Primary routes of exposure
Routes of entry for solids and liquids include eye and skin contact, ingestion and inhalation. Routes of entry for gases include inhalation and eye contact. Skin contact may be a route of entry for liquefied gases.

Acute Toxicity
Ingestion may cause gastrointestinal disturbances.

Irritation
Irritating to respiratory system.
Irritating to eyes and skin.

Repeated Dose Toxicity
Information on propylene glycol – repeated contact with propylene glycol may result in skin sensitization.

Medical Conditions Aggravated by Overexposure
Data available do not indicate that there are medical conditions that are generally recognized as being aggravated by exposure to this product.
See MSDS Section 11 – Toxicological Information

4. First-Aid Measures

General Advice
Remove contaminated clothing
If Inhaled
Remove the individual into fresh air and keep the person calm. Assist in breathing if necessary. Immediate medical attention required.

<table>
<thead>
<tr>
<th>If on the Skin</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wash affected areas thoroughly with soap and water. If irritation develops, seek medical attention.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>If in the Eyes</th>
</tr>
</thead>
<tbody>
<tr>
<td>In case of contact with the eyes, rinse immediately for at least 15 minutes with plenty of water. If irritation develops, seek medical attention.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>If Swallowed</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rinse mouth and then drink plenty of water. Induce vomiting. Never induce vomiting or give anything by mouth of the person is unconscious or having convulsions. Immediate medical attention required.</td>
</tr>
</tbody>
</table>

### 5. Fire-Fighting Measures

- Flash point – no data available
- Autoignition – no data available

**Suitable Extinguishing Media**
- Water, fog, foam, dry extinguishing media

**Hazards During Firefighting**
- No particular hazards known

**Protective Equipment for Fire-Fighting**
- Firefighters should be equipped with self-contained breathing apparatus and turn-out gear.

### 6. Accidental-Release Measures

**Personal Precautions**
- Wear appropriate respiratory equipment. Use personal protective clothing. Ensure adequate ventilation.

**Environmental Precautions**
- This product is not regulated by RCRA. This product is not regulated by CERCLA (Superfund).

**Cleanup**
- Spills should be contained and placed in suitable containers for disposal. Follow applicable State and Federal Regulations.

### 7. Handling and Storage

**Handling**
- Protection against fire and explosion – no explosion proofing necessary

**Storage**
## Material Safety Data Sheet

### Silver Sulfadiazine 1% Cream AF

**Creation Date:** July 9, 2009  
**Revision Date:** October 28, 2010

### 8. Exposure Controls and Personal Protection

#### Components with Workplace Control Parameters
- Silver sulfadiazine – OSHA PEL 0.01 mg/m³ (as silver)
- ACGIH TWA 0.01 mg/m³ (as silver)

Advice on system design: Provide local exhaust ventilation to control dust.

#### Personal Protective Equipment
- Respiratory protection – Wear a NIOSH-certified (or equivalent) particulate respirator.
- Hand protection – Chemical resistant protective gloves
- Eye protection – Tightly fitting safety goggles (chemical goggles)
- General safety and hygiene measures – Wear protective clothing as necessary to minimize contact. Avoid inhalation of dust. Wash soiled clothing immediately.

### 9. Physical and Chemical Properties

- Form – semi-solid
- Odor – faint odor
- Color – White
- pH value – No data available

### 10. Stability and Reactivity

- Conditions to avoid: Avoid all sources of ignition, heat, sparks, and open flame.
- Substances to avoid: No substances known that should be avoided.
- Hazardous reactions: This product is chemically stable.
- Decomposition products: No hazardous decomposition products known.
- Thermal decomposition: No data available.
- Corrosion to metals: No corrosive effect on metal.

### 11. Toxicological Information

#### Acute Toxicity
- Oral: No data available concerning acute toxicity.
- Inhalation: Irritating to the respiratory system.
- Dermal: No data available concerning acute toxicity.
- Skin Irritation: Prolonged exposure to the product can result in irritation of the skin and mucous membranes.
- Sensitization: May produce an allergic reaction.

### 12. Ecological Information

#### Environmental Fate and Transport
- Stability in water: No data available
- Bioaccumulation: No data available

#### Environmental Toxicity
- Acute and prolonged toxicity to fish: No data available concerning fish toxicity.
- Toxicity to aquatic plants: No data available concerning toxicity to algae.
- Toxicity to terrestrial plants: No data available.

### 13. Disposal Considerations

Waste disposal of substance: Do not discharge substance/product into the sewer
14. Transport Information

Land transport: Not classified as a dangerous product under transport regulations according to USDOT.
Sea transport: Not classified as a dangerous good under transport regulations according to IMDG.
Air transport: Not classified as a dangerous good under transport regulations according to IATA/ICAO.

15. Regulatory Information

Federal Regulations
Registration status: TSCA, US released/exempt
OSHA hazard category: Chronic target organ effects reported, ACGIH TLV established

CERCLA RQ
1 pound
CAS Number 22199-08-2
Chemical Name Silver sulfadiazine

SARA hazard categories (EPCRA 3111/312): Acute, chronic
SARA 313

CAS Number 22199-08-2
Chemical Name Silver sulfadiazine

State Regulations
State RTK

CAS Number 57-55-6
Chemical Name Propylene glycol
State RTK PA
22199-08-2
Chemical Name Silver sulfadiazine
State RTK NJ

16. Other Information

HMIS III Rating
Health: 2 Flammability: 1 Physical Hazard: 0

HMIS used a numbering scale ranging from 0 to 4 to indicate the degree of hazard. A value of zero means that the substance possesses essentially no hazard, a rating of 4 indicated high hazard.

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