



## MATERIAL SAFETY DATA SHEET

### Thermazene Cream

SDG0019 1.00 US EA MSDS\_SDG

## 1. PRODUCT AND COMPANY IDENTIFICATION

**Product Name** Thermazene Cream  
**Use/Size** Burn Cream / 50-1000 gm  
**Product Numbers** 8884-473000, 8884-473400, 8884-473800, 8884-472609, 8884-473888  
**Manufacturer/Supplier** The Kendall Company  
**Address** 15 Hampshire Street  
Mansfield, MA 02048  
  
**Phone Number** (508) 261-8000  
**Chemtrec Number** (800) 424-9300  
**Revision Date:** September 22, 1998

*This MSDS has been compiled in accordance with - EC Directive 91/155/EC - OSHA's Hazcom Standard (29 CFR 1910.1200)*

## 2. COMPOSITION/INFORMATION ON THE COMPONENTS

Component Name	CAS#/Codes	Concentration	R Phrases	Classification
Water	7732-18-5 231-791-2	> 75.00%	R-None	None
Stearyl Alcohol	112-92-5 204-017-6	15.00 -25.00%	R-None	None
Petroleum Jelly	8009-03-8 232-373-2	10.00 -20.00%	R-None	None
Polyethylene glycol monostearate	9004-99-3 EC#None	5.00 -10.00%	R-None	None
Propylene Glycol	57-55-6 200-338-0	5.00 -10.00%	R-None	None
Isopropyl Myristate	110-27-0 203-751-4	5.00 -10.00%	R38	Xi
Silver Sulfadiazine	22199-08-2 244-834-5	1.00 -3.00%	R20/22	Xn

## 3. HAZARD IDENTIFICATION

### Main Hazards

Not classified as hazardous.

### Routes of Entry

- Eye contact - Ingestion - Skin contact

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### 3. HAZARD IDENTIFICATION

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#### **Carcinogenic Status**

Not considered carcinogenic by NTP, IARC, and OSHA.

#### **Target Organs**

- Eye - Skin

#### **Health Effects - Eyes**

Contact may cause conjunctival irritation and transient corneal damage.

#### **Health Effects - Skin**

This product is non-irritating to the skin and skin absorption is not associated with any health effects. Repeated or prolonged contact may produce defatting of the skin leading to irritation and dermatitis.

#### **Health Effects - Ingestion**

A large dose may have the following effects:

- nausea - vomiting - diarrhea - gastrointestinal irritation - liver damage - kidney damage - central nervous system depression

#### **Health Effects - Inhalation**

No adverse effects are expected during normal conditions of use.

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### 4. FIRST AID MEASURES

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#### **Eyes**

Immediately flood the eye with plenty of water for at least 15 minutes, holding the eye open. Obtain medical attention if soreness or redness persists.

#### **Skin**

Wash skin thoroughly with soap and water. Obtain medical attention if blistering occurs or redness persists.

#### **Ingestion**

Do not induce vomiting. Have victim drink 1-3 glasses of water to dilute stomach contents. Never administer anything by mouth if a victim is losing consciousness, is unconscious or is convulsing. Obtain medical attention immediately.

#### **Inhalation**

If there is difficulty in breathing, give oxygen. Seek medical attention if symptoms persist.

#### **Advice to Physicians**

Treat symptomatically.



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## 5. FIRE FIGHTING MEASURES

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### Extinguishing Media

Not Flammable. Select extinguishing agent appropriate to other materials involved.

### Unusual Fire and Explosion Hazards

None known.

### Protective Equipment for Fire-Fighting

Wear full protective clothing and self-contained breathing apparatus.

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## 6. ACCIDENTAL RELEASE MEASURES

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This product may be collected by carefully scooping into a pan, paper towel or other absorbent material. Transfer into suitable containers for recovery or disposal. No specific measures necessary.

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## 7. HANDLING AND STORAGE

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Keep container tightly closed when not in use. Storage area should be: - cool - dry - well ventilated  
- away from incompatible materials

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## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

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### Occupational Exposure Standards

#### Stearyl Alcohol

None assigned.

#### Petroleum Jelly

None assigned.

#### Polyethylene glycol monostearate

(as Stearates) ACGIH: TLV 10mg/m<sup>3</sup> 8h TWA.

A4 - not classifiable as a human carcinogen.

#### Propylene Glycol

None assigned.

#### Isopropyl Myristate

None assigned.



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## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

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### Silver Sulfadiazine

(as silver, metal) ACGIH: TLV 0.1mg/m<sup>3</sup> 8h TWA.

UK EH40: OES 0.1mg/m<sup>3</sup> 8h TWA.

(as Silver, Soluble) ACGIH: TLV 0.01mg/m<sup>3</sup> 8h TWA.

### Engineering Control Measures

No specific measures necessary. Good general room ventilation is expected to be adequate to control airborne levels.

### Respiratory Protection

Respiratory protection not normally required.

### Hand Protection

Skin protection not normally required.

### Eye Protection

Eye protection not normally required. However, care should be taken to avoid accidental exposure.

### Body Protection

Normal work wear.

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

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<b>Physical State</b>	Cream
<b>Color</b>	White
<b>Odor</b>	Fragrant
<b>pH</b>	No data.
<b>Specific Gravity</b>	No data.
<b>Boiling Range/Point (°C/F)</b>	No data.
<b>Melting Point (°C/F)</b>	No data.
<b>Flash Point (PMCC) (°C/F)</b>	No data.
<b>Explosion Limits (%)</b>	No data.
<b>Vapor Pressure</b>	No data.
<b>Density</b>	No data.
<b>Solubility in Water</b>	Insoluble
<b>Vapor Density (Air = 1)</b>	No data.
<b>Viscosity (cSt)</b>	No data.

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## 10. STABILITY AND REACTIVITY

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### Stability

Stable under normal conditions.

### Conditions to Avoid

- Heat - High temperatures - Pressure - Mechanical shock

### Materials to Avoid

- Strong oxidizing agents

### Hazardous Polymerization

Will not occur.

### Hazardous Decomposition Products

- acrid smoke and irritating fumes - oxides of carbon

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## 11. TOXICOLOGICAL INFORMATION

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### Acute Toxicity

All components have a low order of acute toxicity. All components have oral LD50s (rat) greater than 10000mg/kg. In dermal toxicity studies, this product was not found to be a primary skin irritant when applied to rabbit skin for 24 or 48 hours.

### Chronic Toxicity/Carcinogenicity

Stearyl Alcohol: When implanted in mice (1000 mg/kg) caused an increased incidence of tumors in the kidney, ureter and bladder.

### Genotoxicity

Propylene Glycol: DNA inhibition (mouse-subcutaneous); cytogenetic analysis (mouse-subcutaneous; hamster-fibroblast).

Silver Sulfadiazine: DNA damage, unscheduled DNA synthesis and DNA inhibition (microorganisms).

### Reproductive/Developmental Toxicity

Propylene Glycol: Intraperitoneal injections (100 mg/kg) to mice during pregnancy resulted in an increase in post-implantation mortality and fetotoxicity.

Silver Sulfadiazine: Subcutaneous administration to rats prior to pregnancy (11 gm/kg) resulted in an increase in pre- and post-implantation mortality and decreased litter size. When given subcutaneously to rats (11 gm/kg) and rabbits (26-65 gm/kg) during pregnancy, caused developmental abnormalities of the musculoskeletal system and decreased viability of newborns.



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### 12. ECOLOGICAL INFORMATION

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**Mobility**

No relevant studies identified.

**Persistence/Degradability**

Propylene Glycol: Photodegrades rapidly if released to the atmosphere. Will biodegrade rapidly if released to water or soil. Leaching in the soil will occur (Log Kow= -0.92), however, biodegradation is rapid enough to diminish the importance of leaching. Volatilization, adsorption to sediment and bioconcentration (BCF<1) are not expected to be significant.

**Bio-accumulation**

No relevant studies identified.

**Ecotoxicity**

Propylene Glycol:

Tests on the following species gave a 96h LC50 of 10000mg/litre: - guppies

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### 13. DISPOSAL

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Dispose of in accordance with all applicable local and national regulations.

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### 14. TRANSPORT INFORMATION

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<b>DOT CFR 172.101 Data</b>	Not Regulated
<b>UN Proper Shipping Name</b>	Not Regulated
<b>UN Class</b>	None.
<b>UN Number</b>	None.
<b>UN Packaging Group</b>	None.

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### 15. REGULATORY INFORMATION

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**Labelling Information**

Not classified - Health

Not classified - Safety

Not classified - Environment

**EC Annex I Classification**

According to EC Commission Directive 67/548/EEC this product is not classified.

**R phrases**

None.



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## 15. REGULATORY INFORMATION

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### S phrases

None.

### TSCA Listing

This product contains an ingredient(s) that is exempt from listing on the EPA Toxic Substance Control Act Chemical Inventory. - Silver Sulfadiazine (22199-08-2)

### EINECS Listing

This product contains the following ingredient(s) that have not been verified for inclusion on the European Inventory of Existing Commercial Chemical Substances (EINECS) or the European List of New Chemical Substances: - Polyethylene glycol monostearate (9004-99-3)

### DSL/NDSL (Canadian) Listing

The following ingredient(s) have not been verified for inclusion on the Canadian Domestic Substance List (DSL) or the Non-Domestic Substance List(NDSL): - Silver Sulfadiazine (22199-08-2)

### MA Right To Know Law

This product does not contain any chemicals listed on the Massachusetts Right To Know Substance List.

### PA Right To Know Law

This product contains the following chemicals found on the Pennsylvania Hazardous Substance List:  
- Stearyl Alcohol - Propylene Glycol

### NJ Right To Know Law

This product does not contain any chemicals on the New Jersey Workplace Hazardous Substance List.

### California Proposition 65

This product does not contain materials which the State of California has found to cause cancer, birth defects or other reproductive harm.

### SARA Title III Sect. 302 (EHS)

This product does not contain any chemicals subject to SARA Title III Section 302.

### SARA Title III Sect. 304

RQ 1000 lbs. (as silver 7440-22-4)

### SARA Title III Sect. 311/312 Categorization

This product does not meet any of the SARA Title III Section 311/312 categorizations.

### SARA Title III Sect. 313

This product contains a chemical which is listed in Section 313 at or above de minimis



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## 15. REGULATORY INFORMATION

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concentrations. The following listed chemicals are present: - Silver Sulfadiazine (as silver) 7440-22-4

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## 16. OTHER INFORMATION

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### NFPA Ratings

NFPA Code for Flammability - 0

NFPA Code for Health - 0

NFPA Code for Reactivity - 0

NFPA Code for Special Hazards - 0

### HMIS Ratings

HMIS Code for Flammability - 0

HMIS Code for Health - 0

HMIS Code for Reactivity - 0

HMIS Code for Personal Protection - See Section 8

### Abbreviations

N/A: Denotes no applicable information found or available

CAS#: Chemical Abstracts Service Number

ACGIH: American Conference of Governmental Industrial Hygienists

OSHA: Occupational Safety and Health Administration

TLV: Threshold Limit Value

PEL: Permissible Exposure Limit

STEL: Short Term Exposure Limit

NTP: National Toxicology Program

IARC: International Agency for Research on Cancer

R: Risk

S: Safety

LC50: Lethal Concentration 50%

LD50: Lethal Dose 50%

BOD: Biological Oxygen Demand

KoC: Soil Organic Carbon Partition Coefficient

**Prepared By:** EnviroNet LLC.

The information and recommendations presented in this MSDS are based on sources believed to be accurate, therefore, The Kendall Company assumes no liability for the accuracy or completeness of this information. It is the user's responsibility to determine the suitability of the information for their particular purposes.