



**SECTION 1: Identification**

**1.1. Product Identifier**

Product Form: Mixture  
Product Name: Cal Stat® Plus  
Antiseptic Handrub with Enhanced Emollients  
Product Code: 1181

**1.2. Intended Use of the Product**

Use of the substance/mixture: Healthcare Personnel Handwash. For professional use only.

**1.3. Name, Address, and Telephone of the Responsible Party**

Company  
STERIS Corporation  
Official Mailing Address:  
P.O. Box 147  
St. Louis, MO 63166 USA

Street Address:  
7501 Page Avenue  
St. Louis, MO 63133 USA

Telephone Number for Information: 1-800-548-4873 (Customer Service-Healthcare Products)  
web: [www.steris.com](http://www.steris.com)  
email: [asksteris\\_msds@steris.com](mailto:asksteris_msds@steris.com)

**1.4. Emergency Telephone Number**

Emergency Number : 1-314-535-1395 or CHEMTREC: 1-800-424-9300

**SECTION 2: Hazards Identification**

**2.1. Classification of the Substance or Mixture**

**Classification (GHS-US)**

Flam. Liq. 2 H225  
Eye Irrit. 2A H319  
STOT SE 3 H336

**2.2. Label Elements – This product is regulated by the FDA and is exempt from GHS labeling.**

FDA Product Labeling : This product is regulated by the FDA, therefore, the requirements for product labeling do not fall under the jurisdiction of the OSHA Hazard Communication Standard according to 29 CFR 1910.1200.

Hazard Pictograms (GHS-US) :



Signal Word (GHS-US) : Danger

Hazard Statements (GHS-US) : H225 - Highly flammable liquid and vapor.  
H319 - Causes serious eye irritation.  
H336 - May cause drowsiness or dizziness.

Precautionary Statements (GHS-US) : P210 - Keep away from sparks, open flames, heat, hot surfaces. - No smoking.  
P233 - Keep container tightly closed.  
P235 - Keep cool.  
P243 - Take precautionary measures against static discharge.  
P261 - Avoid breathing vapors, mist, spray.  
P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P312 - Call POISON CENTER/doctor if you feel unwell.  
P337+P313 - If eye irritation persists: Get medical advice/attention.  
P370+P378 - In case of fire: Use water spray, alcohol-resistant foam, carbon dioxide, dry powder to extinguish.

**2.3. Other Hazards**

Other Hazards: Exposure may aggravate those with pre-existing eye, skin, or respiratory conditions.

**2.4. Unknown Acute Toxicity (GHS-US)**

No data available

**SECTION 3: Composition/information On Ingredients**

**3.1. Substance**

Not applicable

# Cal Stat<sup>®</sup> Plus

## Antiseptic Handrub with Enhanced Emollients

### Safety Data Sheet

According to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

#### 3.2. Mixture

Name	Product identifier	%	Classification (GHS-US)
Isopropyl alcohol	(CAS No) 67-63-0	30 - 60	Flam. Liq. 2, H225 Eye Irrit. 2A, H319 STOT SE 3, H336
2-Phenoxyethanol	(CAS No) 122-99-6	1 - 5	Acute Tox. 4 (Oral), H302 Eye Irrit. 2A, H319

Full text of H-phrases: see section 16

### SECTION 4: First Aid Measures

#### 4.1. Description of First Aid Measures

First-aid Measures General: Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice.

First-aid Measures After Inhalation: When symptoms occur: go into open air and ventilate suspected area. Remove to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER/doctor/physician if you feel unwell.

First-aid Measures After Skin Contact: Remove contaminated clothing. Drench affected area with water for at least 15 minutes. Obtain medical attention if irritation persists. Wash contaminated clothing before reuse.

First-aid Measures After Eye Contact: Rinse cautiously with water for at least 15 minutes. Remove contact lenses, if present and easy to do so. Continue rinsing. Obtain medical attention if irritation persists.

First-aid Measures After Ingestion: Rinse mouth. Do NOT induce vomiting.

#### 4.2. Most important symptoms and effects, both acute and delayed

Symptoms/Injuries: Eye irritation. May cause drowsiness or dizziness.

Symptoms/Injuries After Inhalation: May cause drowsiness or dizziness.

Symptoms/Injuries After Skin Contact: May cause skin irritation.

Symptoms/Injuries After Eye Contact: Causes serious eye irritation.

Symptoms/Injuries After Ingestion: Ingestion is likely to be harmful or have adverse effects.

Chronic Symptoms: None known.

#### 4.3. Indication of Any Immediate Medical Attention and Special Treatment Needed

If you feel unwell, seek medical advice (show the label where possible).

### SECTION 5: Fire-Fighting Measures

#### 5.1. Extinguishing Media

Suitable Extinguishing Media: Water spray, fog, carbon dioxide (CO<sub>2</sub>), alcohol-resistant foam, dry chemical, or sand.

Unsuitable Extinguishing Media: Use of heavy stream of water may spread fire.

#### 5.2. Special Hazards Arising From the Substance or Mixture

Fire Hazard: Highly flammable liquid and vapor. Vapors are heavier than air and may travel considerable distance to an ignition source and flash back to source of vapors.

Explosion Hazard: May form flammable/explosive vapor-air mixture.

Reactivity: Hazardous reactions will not occur under normal conditions.

#### 5.3. Advice for Firefighters

Firefighting Instructions: Exercise caution when fighting any chemical fire. Use water spray or fog for cooling exposed containers.

Protection During Firefighting: Do not enter fire area without proper protective equipment, including respiratory protection. Wear self-contained breathing apparatus when entering area unless atmosphere is proved to be safe.

Hazardous Combustion Products: Carbon oxides (CO, CO<sub>2</sub>).

### SECTION 6: Accidental Release Measures

#### 6.1. Personal Precautions, Protective Equipment and Emergency Procedures

General Measures: Keep away from heat/sparks/open flames/hot surfaces. – No smoking. Avoid breathing (vapor, mist, spray).

##### 6.1.1. For Non-emergency Personnel

Protective Equipment: Use appropriate personal protection equipment (PPE).

Emergency Procedures: Evacuate unnecessary personnel.

##### 6.1.2. For Emergency Responders

Protective Equipment: Equip cleanup crew with proper protection.

Emergency Procedures: Ventilate area. Eliminate ignition sources.

#### 6.2. Environmental Precautions

Prevent entry to sewers and public waters. Contact competent authorities after a spill.

#### 6.3. Methods and Material for Containment and Cleaning Up

For Containment: Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams.

Methods for Cleaning Up: Clean up spills immediately and dispose of waste safely. Use only non-sparking tools. Notify authorities if liquid enters sewers or public waters.

#### 6.4. Reference to Other Sections

See Section 8: Exposure Controls and Personal Protection.

# Cal Stat<sup>®</sup> Plus

## Antiseptic Handrub with Enhanced Emollients

### Safety Data Sheet

According to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

#### SECTION 7: Handling And Storage

##### 7.1. Precautions for Safe Handling

Additional Hazards When Processed: Do not get in or near eyes. Handle empty containers with care because residual vapors are flammable. Precautions for Safe Handling: Keep away from heat/sparks/open flames/hot surfaces. – No smoking. Avoid breathing vapors, mist, spray. Hygiene Measures: Handle in accordance with good industrial hygiene and safety procedures.

##### 7.2. Conditions for Safe Storage, Including Any Incompatibilities

Technical Measures: Not applicable.  
Storage Conditions: Store in a dry, cool and well-ventilated place. Keep container closed when not in use. Protect from freezing.  
Incompatible Products: Strong acids. Strong bases. Strong oxidizers.  
Incompatible Materials: Heat sources.  
Storage Area: Store in a well-ventilated place. Keep cool.

##### 7.3. Specific End Use(s) No additional information available

Healthcare Personnel Handwash. For professional use only.

#### SECTION 8: Exposure Controls/personal Protection

##### 8.1. Control Parameters

Isopropyl alcohol (67-63-0)		
USA ACGIH	ACGIH TWA (ppm)	200 ppm
USA ACGIH	ACGIH STEL (ppm)	400 ppm
USA OSHA	OSHA PEL (TWA) (mg/m <sup>3</sup> )	980 mg/m <sup>3</sup>
USA OSHA	OSHA PEL (TWA) (ppm)	400 ppm
USA NIOSH	NIOSH REL (TWA) (mg/m <sup>3</sup> )	980 mg/m <sup>3</sup>
USA NIOSH	NIOSH REL (TWA) (ppm)	400 ppm
USA NIOSH	NIOSH REL (STEL) (mg/m <sup>3</sup> )	1225 mg/m <sup>3</sup>
USA NIOSH	NIOSH REL (STEL) (ppm)	500 ppm
USA IDLH	US IDLH (ppm)	2000 ppm (10% LEL)

##### 8.2. Exposure Controls

Appropriate Engineering Controls : Ensure adequate ventilation, especially in confined areas.  
Personal Protective Equipment : Not generally required. The use of personal protective equipment may be necessary as conditions warrant.

#### SECTION 9: Physical And Chemical Properties

##### 9.1. Information on Basic Physical and Chemical Properties

Physical State : Liquid  
Appearance : Clear  
Odor : Alcohol  
Odor Threshold : No data available  
pH : No data available  
Evaporation rate : No data available  
Melting Point : No data available  
Freezing Point : No data available  
Boiling Point : No data available  
Flash Point : 70 °F Pinsky-Martens Closed Cup (21.11 °C)  
Auto-ignition Temperature : No data available  
Decomposition Temperature : No data available  
Flammability (solid, gas) : No data available  
Vapor Pressure : No data available  
Relative Vapor Density at 20 °C : No data available  
Specific Gravity : 0.89 g/ml  
Solubility : Complete in water  
Partition coefficient: n-octanol/water : No data available  
Viscosity : No data available  
Explosion Data – Sensitivity to Mechanical Impact : Not expected to present an explosion hazard due to mechanical impact.  
Explosion Data – Sensitivity to Static Discharge : Not expected to present an explosion hazard due to static discharge.

##### 9.2. Other Information

No additional information available

#### SECTION 10: Stability And Reactivity

##### 10.1 Reactivity:

Hazardous reactions will not occur under normal conditions.

##### 10.2 Chemical Stability:

Highly flammable liquid and vapor. May form flammable/explosive vapor-air mixture.

##### 10.3 Possibility of Hazardous Reactions:

Hazardous polymerization will not occur.

# Cal Stat<sup>®</sup> Plus

## Antiseptic Handrub with Enhanced Emollients

### Safety Data Sheet

According to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

#### 10.4 Conditions to Avoid:

Direct sunlight. Extremely high or low temperatures. Open flame.

#### 10.5 Incompatible Materials:

Strong oxidizers. Halogens. Aldehydes. Inorganic acids.

#### 10.6 Hazardous Decomposition Products:

Carbon oxides (CO, CO<sub>2</sub>). May release flammable gases.

### SECTION 11: Toxicological Information

#### 11.1. Information On Toxicological Effects

Acute Toxicity: Not classified

##### 2-Phenoxyethanol (122-99-6)

LD50 Oral Rat	1260 mg/kg
LD50 Dermal Rabbit	5 ml/kg

##### Isopropyl alcohol (67-63-0)

LD50 Oral Rat	4710 mg/kg
LD50 Dermal Rabbit	4059 mg/kg
LC50 Inhalation Rat	72600 mg/m <sup>3</sup> (Exposure time: 4 h)

Skin Corrosion/Irritation: Not classified

Serious Eye Damage/Irritation: Causes serious eye irritation.

Respiratory or Skin Sensitization: Not classified

Germ Cell Mutagenicity: Not classified

Teratogenicity: No data available

Carcinogenicity: Not classified

##### Isopropyl alcohol (67-63-0)

IARC group	3
------------	---

Reproductive Toxicity: Not classified

Specific Target Organ Toxicity (Single Exposure): May cause drowsiness or dizziness.

Specific Target Organ Toxicity (Repeated Exposure): Not classified

Aspiration Hazard: Not classified

Symptoms/Injuries After Inhalation: May cause drowsiness or dizziness.

Symptoms/Injuries After Skin Contact: May cause skin irritation.

Symptoms/Injuries After Eye Contact: Causes serious eye irritation.

Symptoms/Injuries After Ingestion: Ingestion is likely to be harmful or have adverse effects.

Chronic Symptoms: None known.

### SECTION 12: Ecological Information

#### 12.1. Toxicity

##### 2-Phenoxyethanol (122-99-6)

LC50 Fish 1	337 - 352 mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through])
EC50 Daphnia 1	> 500 mg/l (Exposure time: 48 h - Species: Daphnia magna)
LC 50 Fish 2	366 mg/l (Exposure time: 96 h - Species: Pimephales promelas [static])

##### Isopropyl alcohol (67-63-0)

LC50 Fish 1	9640 mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through])
EC50 Daphnia 1	13299 mg/l (Exposure time: 48 h - Species: Daphnia magna)
EC50 Other Aquatic Organisms 1	1000 mg/l (Exposure time: 96 h - Species: Desmodesmus subspicatus)
LC 50 Fish 2	11130 mg/l (Exposure time: 96 h - Species: Pimephales promelas [static])
EC50 Other Aquatic Organisms 2	1000 mg/l (Exposure time: 72 h - Species: Desmodesmus subspicatus)

#### 12.2. Persistence and Degradability

##### Cal Stat<sup>®</sup> Plus Antiseptic Handrub with Enhanced Emollients

Persistence and Degradability	Not established.
-------------------------------	------------------

#### 12.3. Bioaccumulative Potential

##### Cal Stat<sup>®</sup> Plus Antiseptic Handrub with Enhanced Emollients

Bioaccumulative Potential	Not established.
---------------------------	------------------

##### 2-Phenoxyethanol (122-99-6)

Log Pow	1.13 (at 25 °C)
---------	-----------------

##### Isopropyl alcohol (67-63-0)

Log Pow	0.05 (at 25 °C)
---------	-----------------

#### 12.4. Mobility in Soil

No additional information available

#### 12.5. Other Adverse Effects

Other Information : Avoid release to the environment.

### SECTION 13: Disposal Considerations

#### 13.1. Waste treatment methods

Waste Disposal Recommendations: Dispose of waste material in accordance with all local, regional, national, provincial, territorial and international regulations.

# Cal Stat<sup>®</sup> Plus

## Antiseptic Handrub with Enhanced Emollients

### Safety Data Sheet

According to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Additional Information: Handle empty containers with care because residual vapors are flammable.  
Ecology – Waste Materials: Avoid release to the environment.

#### SECTION 14: Transport Information

##### 14.1 In Accordance with DOT

Proper Shipping Name : ISOPROPANOL Solution  
Hazard Class : 3  
Identification Number : UN1219  
Label Codes : LTD QTY  
Packing Group : II  
ERG Number : 129

##### 14.2 In Accordance with IMDG

Proper Shipping Name : ISOPROPANOL (ISOPROPYL ALCOHOL) Solution  
Hazard Class : 3  
Identification Number : UN1219  
Packing Group : II  
Label Codes : LTD QTY  
EmS-No. (Fire) : F-E  
EmS-No. (Spillage) : S-D

##### 14.3 In Accordance with IATA

For 2 oz., 4 oz., and 15 oz.  
Proper Shipping Name : CONSUMER COMMODITY  
Identification Number : UN8000  
Hazard Class : 9  
Label Codes : 9  
ERG Code (IATA) : 9L  
1L dispenser size is not acceptable for air shipment.



#### SECTION 15: Regulatory Information

##### 15.1 US Federal Regulations

<b>Cal Stat<sup>®</sup> Plus Antiseptic Handrub with Enhanced Emollients</b>	
SARA Section 311/312 Hazard Classes	Immediate (acute) health hazard Fire hazard
<b>2-Phenoxyethanol (122-99-6)</b>	
Listed on the United States TSCA (Toxic Substances Control Act) inventory	
<b>Isopropyl alcohol (67-63-0)</b>	
Listed on the United States TSCA (Toxic Substances Control Act) inventory	
Listed on United States SARA Section 313	
EPA TSCA Regulatory Flag	T - T - indicates a substance that is the subject of a Section 4 test rule under TSCA.
SARA Section 313 - Emission Reporting	1.0 % (only if manufactured by the strong acid process, no supplier notification)

##### 15.2 US State Regulations

Not applicable.

<b>Isopropyl alcohol (67-63-0)</b>
U.S. - Massachusetts - Right To Know List
U.S. - New Jersey - Right to Know Hazardous Substance List
U.S. - Pennsylvania - RTK (Right to Know) - Environmental Hazard List
U.S. - Pennsylvania - RTK (Right to Know) List

#### SECTION 16: Other Information, Including Date Of Preparation Or Last Revision

Revision Date : 03/30/2015  
Other Information : This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200.

GHS Full Text Phrases:

Acute Tox. 4 (Oral)	Acute toxicity (oral) Category 4
Eye Irrit. 2A	Serious eye damage/eye irritation Category 2A
Flam. Liq. 2	Flammable liquids Category 2
STOT SE 3	Specific target organ toxicity (single exposure) Category 3
H225	Highly flammable liquid and vapor
H302	Harmful if swallowed
H319	Causes serious eye irritation
H336	May cause drowsiness or dizziness

# Cal Stat<sup>®</sup> Plus

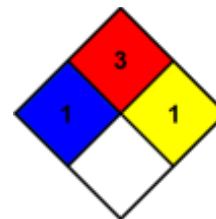
## Antiseptic Handrub with Enhanced Emollients

### Safety Data Sheet

According to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

---

- NFPA health hazard : 1 - Exposure could cause irritation but only minor residual injury even if no treatment is given.
- NFPA fire hazard : 3 - Liquids and solids that can be ignited under almost all ambient conditions.
- NFPA reactivity : 1 - Normally stable, but can become unstable at elevated temperatures and pressures or may react with water with some release of energy, but not violently.



**Party Responsible for the Preparation of This Document**  
STERIS Corporation

*This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.*

SDS US, Mex GHS