

**1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY/UNDERTAKING****Product Identifier****Material Name: Clindamycin Phosphate Topical Lotion (Greenstone LLC)****Trade Name:** Not applicable  
**Chemical Family:** Not determined**Relevant Identified Uses of the Substance or Mixture and Uses Advised Against****Intended Use:** Pharmaceutical product used as antibiotic agent**Details of the Supplier of the Safety Data Sheet****Pfizer Inc**  
**Pfizer Pharmaceuticals Group**  
235 East 42nd Street  
New York, New York 10017  
1-800-879-3477**Pfizer Ltd**  
Ramsgate Road  
Sandwich, Kent  
CT13 9NJ  
United Kingdom  
+00 44 (0)1304 616161**Emergency telephone number:**  
**CHEMTREC (24 hours): 1-800-424-9300****2. HAZARDS IDENTIFICATION****Classification of the Substance or Mixture****GHS - Classification**

Skin Sensitization: Category 1

**EU Classification:**

EU Indication of danger: Irritant

EU Risk Phrases:

R43 - May cause sensitization by skin contact.

**Label Elements****Signal Word:****Precautionary Statements:**

Warning

P261 - Avoid breathing dust/fume/gas/mist/vapors/spray

P272 - Contaminated work clothing should not be allowed out of the workplace

P280 - Wear protective gloves/protective clothing/eye protection/face protection

P302+ P352 - IF ON SKIN: Wash with plenty of soap and water

P333 + P313 - If skin irritation or rash occurs: Get medical advice/attention

P321 - Specific treatment (see supplemental instructions on the administration of antidotes on this label)

P363 - Wash contaminated clothing before reuse

P501 - Dispose of contents/container in accordance with all local and national regulations



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**Other Hazards** No data available  
**Australian Hazard Classification (NOHSC):** Hazardous Substance. Non-Dangerous Goods.

**Note:** This document has been prepared in accordance with standards for workplace safety, which requires the inclusion of all known hazards of the product or its ingredients regardless of the potential risk. The precautionary statements and warning included may not apply in all cases. Your needs may vary depending upon the potential for exposure in your workplace.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

**Hazardous**

Ingredient	CAS Number	EU EINECS/ELINCS List	EU Classification	GHS Classification	%
Glycerin, USP	56-81-5	200-289-5	Not Listed	Not Listed	*
Glyceryl stearate	123-94-4	204-664-4	Not Listed	Not Listed	*
Clindamycin Phosphate	24729-96-2	246-433-0	Xi;R36-43 Xn;R22	Acute Tox.4 (H302) Eye Irrit.2A (H319) Skin Irrit.3 (H316) Skin Sens.1 (H317)	1
Stearic acid	57-11-4	200-313-4	Not Listed	Not Listed	*

Ingredient	CAS Number	EU EINECS/ELINCS List	EU Classification	GHS Classification	%
Isostearyl Alcohol	27458-93-1	248-470-8	Not Listed	Not Listed	2.5
Sodium Lauroylsarcosinate	137-16-6	205-281-5	Not Listed	Not Listed	*
Potassium stearate	593-29-3	209-786-1	Not Listed	Not Listed	*
Cetyl/Stearyl alcohol	67762-27-0	267-008-6	Not Listed	Not Listed	2.5
Methylparaben	99-76-3	202-785-7	Not Listed	Not Listed	*
Water, purified	7732-18-5	231-791-2	Not Listed	Not Listed	*

**Additional Information:** \* Proprietary  
Ingredient(s) indicated as hazardous have been assessed under standards for workplace safety.  
In accordance with 29 CFR 1910.1200, the exact percentage composition of this mixture has been withheld as a trade secret.

**For the full text of the R phrases and CLP/GHS abbreviations mentioned in this Section, see Section 16**

### 4. FIRST AID MEASURES

**Description of First Aid Measures**

**Eye Contact:** Flush with water while holding eyelids open for at least 15 minutes. Seek medical attention immediately.

**Skin Contact:** Remove contaminated clothing. Flush area with large amounts of water. Use soap. Seek medical attention.

**Ingestion:** Never give anything by mouth to an unconscious person. Wash out mouth with water. Do not induce vomiting unless directed by medical personnel. Seek medical attention immediately.

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**Inhalation:** Remove to fresh air and keep patient at rest. Seek medical attention immediately.

### Most Important Symptoms and Effects, Both Acute and Delayed

**Symptoms and Effects of Exposure:** For information on potential signs and symptoms of exposure, See Section 2 - Hazards Identification and/or Section 11 - Toxicological Information.  
**Medical Conditions Aggravated by Exposure:** None known

### Indication of the Immediate Medical Attention and Special Treatment Needed

**Notes to Physician:** None

## 5. FIRE FIGHTING MEASURES

**Extinguishing Media:** Extinguish fires with CO<sub>2</sub>, extinguishing powder, foam, or water.

### Special Hazards Arising from the Substance or Mixture

**Hazardous Combustion Products:** Emits toxic fumes of carbon monoxide, carbon dioxide, nitrogen oxides, sulfur oxides and other sulfur-containing compounds.

**Fire / Explosion Hazards:** Not applicable

### Advice for Fire-Fighters

During all fire fighting activities, wear appropriate protective equipment, including self-contained breathing apparatus.

## 6. ACCIDENTAL RELEASE MEASURES

### Personal Precautions, Protective Equipment and Emergency Procedures

Personnel involved in clean-up should wear appropriate personal protective equipment (see Section 8). Minimize exposure.

### Environmental Precautions

Place waste in an appropriately labeled, sealed container for disposal. Care should be taken to avoid environmental release.

### Methods and Material for Containment and Cleaning Up

**Measures for Cleaning / Collecting:** Contain the source of spill if it is safe to do so. Collect spill with absorbent material. Clean spill area thoroughly.

**Additional Consideration for Large Spills:** Non-essential personnel should be evacuated from affected area. Report emergency situations immediately. Clean up operations should only be undertaken by trained personnel.

## 7. HANDLING AND STORAGE

### Precautions for Safe Handling

Avoid breathing vapor or mist. Avoid contact with eyes, skin and clothing. When handling, use appropriate personal protective equipment (see Section 8). Wash hands and any exposed skin after removal of PPE. Releases to the environment should be avoided. Review and implement appropriate technical and procedural waste water and waste disposal measures to prevent occupational exposure or environmental releases. Potential points of process emissions of this material to the atmosphere should be controlled with dust collectors, HEPA filtration systems or other equivalent controls.

### Conditions for Safe Storage, Including any Incompatibilities

**Storage Conditions:** Store as directed by product packaging.

**Specific end use(s):** Pharmaceutical drug product

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### 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

#### Control Parameters

Refer to available public information for specific member state Occupational Exposure Limits.

#### Glycerin, USP

Australia TWA	10 mg/m <sup>3</sup>
Belgium OEL - TWA	10 mg/m <sup>3</sup>
Czech Republic OEL - TWA	10 mg/m <sup>3</sup>
Estonia OEL - TWA	10 mg/m <sup>3</sup>
Finland OEL - TWA	20 mg/m <sup>3</sup>
France OEL - TWA	10 mg/m <sup>3</sup>
Germany (DFG) - MAK	50 mg/m <sup>3</sup>
Greece OEL - TWA	10 mg/m <sup>3</sup>
Ireland OEL - TWAs	10 mg/m <sup>3</sup>
OSHA - Final PELs - TWAs:	15 mg/m <sup>3</sup>
Poland OEL - TWA	10 mg/m <sup>3</sup>
Portugal OEL - TWA	10 mg/m <sup>3</sup>
Spain OEL - TWA	10 mg/m <sup>3</sup>

#### Potassium stearate

Lithuania OEL - TWA	5 mg/m <sup>3</sup>
Sweden OEL - TWAs	5 mg/m <sup>3</sup>

#### Glyceryl stearate

ACGIH Threshold Limit Value (TWA)	10 mg/m <sup>3</sup>
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#### Clindamycin Phosphate

Manufacturer OEL:	100ug/m <sup>3</sup>
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#### Exposure Controls

##### Engineering Controls:

Engineering controls should be used as the primary means to control exposures. General room ventilation is adequate unless the process generates dust, mist or fumes. Keep airborne contamination levels below the exposure limits listed above in this section.

##### Personal Protective Equipment:

Refer to applicable national standards and regulations in the selection and use of personal protective equipment (PPE).

##### Hands:

Impervious gloves are recommended if skin contact with drug product is possible and for bulk processing operations.

##### Eyes:

Wear safety glasses or goggles if eye contact is possible.

##### Skin:

Impervious protective clothing is recommended if skin contact with drug product is possible and for bulk processing operations. Individuals with known sensitivity should wear long sleeves to avoid skin contact. Wash hands and arms thoroughly after handling this material.

##### Respiratory protection:

If the applicable Occupational Exposure Limit (OEL) is exceeded, wear an appropriate respirator with a protection factor sufficient to control exposures to below the OEL.

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### 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Physical State:</b>	Lotion	<b>Color:</b>	Colorless
<b>Odor:</b>	No data available.	<b>Odor Threshold:</b>	No data available.
<b>Molecular Formula:</b>	Mixture	<b>Molecular Weight:</b>	Mixture

<b>Solvent Solubility:</b>	No data available
<b>Water Solubility:</b>	No data available
<b>pH:</b>	No data available.
<b>Melting/Freezing Point (°C):</b>	No data available
<b>Boiling Point (°C):</b>	No data available.

**Partition Coefficient: (Method, pH, Endpoint, Value)**

**Clindamycin Phosphate**

No data available

**Water, purified**

No data available

**Methylparaben**

No data available

**Cetyl/Stearyl alcohol**

No data available

**Glycerin, USP**

No data available

**Glyceryl stearate**

No data available

**Potassium stearate**

No data available

**Isostearyl Alcohol**

No data available

**Sodium Lauroylsarcosinate**

No data available

**Stearic acid**

No data available

**Decomposition Temperature (°C):** No data available.

**Evaporation Rate (Gram/s):** No data available

**Vapor Pressure (kPa):** No data available

**Vapor Density (g/ml):** No data available

**Relative Density:** No data available

**Viscosity:** No data available

**Flammability:**

**Autoignition Temperature (Solid) (°C):** No data available

**Flammability (Solids):** No data available

**Flash Point (Liquid) (°C):** No data available

**Upper Explosive Limits (Liquid) (% by Vol.):** No data available

**Lower Explosive Limits (Liquid) (% by Vol.):** No data available

### 10. STABILITY AND REACTIVITY

<b>Reactivity:</b>	No data available
<b>Chemical Stability:</b>	Stable at normal conditions
<b>Possibility of Hazardous Reactions</b>	
<b>Oxidizing Properties:</b>	No data available

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### 10. STABILITY AND REACTIVITY

**Conditions to Avoid:** None known  
**Incompatible Materials:** As a precautionary measure, keep away from strong oxidizers  
**Hazardous Decomposition Products:** No data available

### 11. TOXICOLOGICAL INFORMATION

#### Information on Toxicological Effects

**General Information:** The information included in this section describes the potential hazards of the individual ingredients.

**Short Term:** May cause mild skin irritation (based on animal data). An Occupational Exposure Limit has been established for one or more of the ingredients (see Section 8).

**Known Clinical Effects:** Individuals sensitive to this material or other materials in its chemical class may develop allergic reactions. Clinical use of this drug has caused burning sensation of the skin, itching, abnormal redness of skin (erythema). Ingestion of this material may cause effects similar to those generally seen in clinical use of antibiotics including gastrointestinal irritation, vomiting, transient diarrhea, nausea, and abdominal pain.

#### Acute Toxicity: (Species, Route, End Point, Dose)

##### Clindamycin Phosphate

Rat Oral LD 50 1832 mg/kg  
Rat Para-periosteal LD 50 321mg/kg  
Rat Intraperitoneal LD 50 745mg/kg  
Mouse Oral LD 50 2359mg/kg  
Mouse Intravenous LD 50 820mg/kg

##### Glycerin, USP

Mouse Oral LD50 4090 mg/kg  
Rat Oral LD50 12.6 g/kg  
Rabbit Dermal LD50 > 10 g/kg  
Rat Inhalation LC50 1hr > 570 mg/m<sup>3</sup>  
Rat Dermal LD 50 > 21.9 g/kg

##### Glyceryl stearate

Rat IP LD50 200 mg/kg

##### Stearic acid

Rat Oral LD50 > 4640 mg/kg  
Rabbit Dermal LD50 > 5000mg/kg

**Acute Toxicity Comments:** A greater than symbol (>) indicates that the toxicity endpoint being tested was not achievable at the highest dose used in the test.

#### Irritation / Sensitization: (Study Type, Species, Severity)

##### Clindamycin Phosphate

Eye Irritation Rabbit Moderate  
Skin Irritation Rabbit Mild

##### Glycerin, USP

Eye Irritation Rabbit Mild

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### 11. TOXICOLOGICAL INFORMATION

#### Stearic acid

Skin Irritation Rabbit Moderate  
Eye Irritation Rabbit Mild

#### Repeated Dose Toxicity: (Duration, Species, Route, Dose, End Point, Target Organ)

##### Clindamycin Phosphate

6 Month(s) Rat Oral 600 mg/kg/day NOAEL No effects at maximum dose  
6 Month(s) Dog Oral 600 mg/kg/day NOAEL Gastrointestinal system

#### Stearic acid

30 Week(s) Rat Oral 300 ppm LOAEL Adipose tissue

#### Reproduction & Developmental Toxicity: (Study Type, Species, Route, Dose, End Point, Effect(s))

##### Clindamycin Phosphate

Prenatal & Postnatal Development Rat Subcutaneous 250 mg/kg NOAEL Not teratogenic  
Prenatal & Postnatal Development Rat Oral 300 mg/kg/day NOAEL Not Teratogenic  
Prenatal & Postnatal Development Mouse Oral 600 mg/kg/day NOAEL Not Teratogenic  
Prenatal & Postnatal Development Rabbit Subcutaneous 5 mg/kg/day NOAEL Not Teratogenic, Maternal Toxicity  
Reproductive & Fertility Rat Oral 300 mg/kg/day NOAEL No effects at maximum dose

#### Genetic Toxicity: (Study Type, Cell Type/Organism, Result)

##### Clindamycin Phosphate

Bacterial Mutagenicity (Ames) *Salmonella* Negative  
*In Vitro* Micronucleus Rat Negative

#### Stearic acid

*In Vitro* Bacterial Mutagenicity (Ames) *Salmonella* Negative  
Unscheduled DNA Synthesis *E. coli* Negative

#### Carcinogenicity: (Duration, Species, Route, Dose, End Point, Effect(s))

#### Stearic acid

26 Week(s) Rat Subcutaneous 0.5 mg/kg/week NOAEL Not carcinogenic  
52 Week(s) Mouse Subcutaneous 0.05 mg/kg/week LOAEL Tumors

#### Carcinogen Status:

None of the components of this formulation are listed as a carcinogen by IARC, NTP or OSHA.

### 12. ECOLOGICAL INFORMATION

#### Environmental Overview:

Environmental properties have not been thoroughly investigated. Releases to the environment should be avoided.

#### Toxicity:

#### Aquatic Toxicity: (Species, Method, End Point, Duration, Result)

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### Glycerin, USP

*Oncorhynchus mykiss* (Rainbow Trout) LD50 96 Hours 50 mg/L

*Daphnia magna* (Water Flea) EC50 24 Hours >500 mg/L

**Persistence and Degradability:** No data available

**Bio-accumulative Potential:** No data available

**Mobility in Soil:** No data available

## 13. DISPOSAL CONSIDERATIONS

### Waste Treatment Methods:

Dispose of waste in accordance with all applicable laws and regulations. Member State specific and Community specific provisions must be considered. Considering the relevant known environmental and human health hazards of the material, review and implement appropriate technical and procedural waste water and waste disposal measures to prevent occupational exposure and environmental release. It is recommended that waste minimization be practiced. The best available technology should be utilized to prevent environmental releases. This may include destructive techniques for waste and wastewater.

## 14. TRANSPORT INFORMATION

The following refers to all modes of transportation unless specified below.

Not regulated for transport under USDOT, EUADR, IATA, or IMDG regulations.

## 15. REGULATORY INFORMATION

### Safety, Health and Environmental Regulations/Legislation Specific for the Substance or Mixture

#### Canada - WHMIS: Classifications

#### WHMIS hazard class:

Class D, Division 2, Subdivision B



#### Isostearyl Alcohol

CERCLA/SARA 313 Emission reporting

Not Listed



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### 15. REGULATORY INFORMATION

<p><b>California Proposition 65</b> <b>Inventory - United States TSCA - Sect. 8(b)</b> <b>Australia (AICS):</b> <b>EU EINECS/ELINCS List</b></p>	<p>Not Listed Present Present 248-470-8</p>
<p><b>Sodium Lauroylsarcosinate</b> <b>CERCLA/SARA 313 Emission reporting</b> <b>California Proposition 65</b> <b>Inventory - United States TSCA - Sect. 8(b)</b> <b>Australia (AICS):</b> <b>EU EINECS/ELINCS List</b></p>	<p>Not Listed Not Listed Present Present 205-281-5</p>
<p><b>Glycerin, USP</b> <b>CERCLA/SARA 313 Emission reporting</b> <b>California Proposition 65</b> <b>Inventory - United States TSCA - Sect. 8(b)</b> <b>Australia (AICS):</b> <b>REACH - Annex V - Exemptions from the obligations of Register:</b>  <b>EU EINECS/ELINCS List</b></p>	<p>Not Listed Not Listed Present Present Present if not chemically modified, except they meet the criteria for classification as dangerous according to Directive 67/548/EEC, except those only classified as flammable [R10], as a skin irritant [R38] or as an eye irritant [R36], except they are persistent, bioaccumulative, and toxic or very persistent and very bioaccumulative in accordance with the criteria set out in Annex XIII, except they were identified in accordance with Article 59[1] at least two years previously as substances giving rise to an equivalent level of concern 200-289-5</p>
<p><b>Potassium stearate</b> <b>CERCLA/SARA 313 Emission reporting</b> <b>California Proposition 65</b> <b>Inventory - United States TSCA - Sect. 8(b)</b> <b>Australia (AICS):</b> <b>EU EINECS/ELINCS List</b></p>	<p>Not Listed Not Listed Present Present 209-786-1</p>
<p><b>Glyceryl stearate</b> <b>CERCLA/SARA 313 Emission reporting</b> <b>California Proposition 65</b> <b>Inventory - United States TSCA - Sect. 8(b)</b> <b>Australia (AICS):</b> <b>REACH - Annex IV - Exemptions from the obligations of Register:</b> <b>EU EINECS/ELINCS List</b></p>	<p>Not Listed Not Listed Present Present Present 204-664-4</p>
<p><b>Cetyl/Stearyl alcohol</b> <b>CERCLA/SARA 313 Emission reporting</b> <b>California Proposition 65</b> <b>Inventory - United States TSCA - Sect. 8(b)</b> <b>Australia (AICS):</b> <b>EU EINECS/ELINCS List</b></p>	<p>Not Listed Not Listed Present Present 267-008-6</p>
<p><b>Clindamycin Phosphate</b></p>	

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CERCLA/SARA 313 Emission reporting	Not Listed
California Proposition 65	Not Listed
EU EINECS/ELINCS List	246-433-0

#### Methylparaben

CERCLA/SARA 313 Emission reporting	Not Listed
California Proposition 65	Not Listed
Inventory - United States TSCA - Sect. 8(b)	Present
Australia (AICS):	Present
EU EINECS/ELINCS List	202-785-7

#### Water, purified

CERCLA/SARA 313 Emission reporting	Not Listed
California Proposition 65	Not Listed
Inventory - United States TSCA - Sect. 8(b)	Present
Australia (AICS):	Present
REACH - Annex IV - Exemptions from the obligations of Register:	Present
EU EINECS/ELINCS List	231-791-2

#### Stearic acid

CERCLA/SARA 313 Emission reporting	Not Listed
California Proposition 65	Not Listed
Inventory - United States TSCA - Sect. 8(b)	Present
Australia (AICS):	Present
EU EINECS/ELINCS List	200-313-4

### 16. OTHER INFORMATION

#### Text of R phrases and GHS Classification abbreviations mentioned in Section 3

Acute toxicity, oral-Cat.4; H302 - Harmful if swallowed  
Serious eye damage/eye irritation-Cat.2A; H319 - Causes serious eye irritation  
Skin corrosion/irritation-Cat.3; H316 - Causes mild skin irritation  
Sensitization, skin-Cat.1; H317 - May cause an allergic skin reaction

Xi - Irritant  
Xn - Harmful

R22 - Harmful if swallowed.  
R36 - Irritating to eyes.  
R43 - May cause sensitization by skin contact.

**Data Sources:** The data contained in this SDS may have been gathered from confidential internal sources, raw material suppliers, or from the published literature.

**Reasons for Revision:** Updated Section 11 - Toxicology Information. Updated Section 2 - Hazard Identification. Updated Section 3 - Composition / Information on Ingredients. Updated Section 7 - Handling and Storage. Updated Section 1 - Identification of the Substance/Preparation and the Company/Undertaking. Updated Section 16 - Other Information.

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**Prepared by:** Product Stewardship Hazard Communication  
Global Environment, Health, and Safety Operations

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

**End of Safety Data Sheet**