

LLC

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IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY/UNDERTAKING

Greenstone LLC 100 Route 206 North Peapack, NJ 07977 800-435-7095

Emergency telephone number: CHEMTREC (24 hours): 1-800-424-9300

Material Name: Clindamycin Palmitate Hydrochloride for Oral Solution (Greenstone LLC)

Trade Name:

Not applicable

Synonyms:

None

Chemical Family:

Mixture

Intended Use:

Pharmaceutical product used as, antibiotic agent

2. HAZARDS IDENTIFICATION

Appearance:

Granules

Signal Word:

WARNING

Statement of Hazard:

May cause allergic skin reaction.

Additional Hazard Information:

Known Clinical Effects:

Individuals sensitive to this material or other materials in its chemical class may develop allergic reactions. Pseudomembranous colitis (manifested by watery diarrhea, urge to defecate, abdominal cramps, low-grade fever, bloody stools, and abdominal pain) may also occur. Effects on blood and blood-forming organs have also occurred.

EU Indication of danger:

Harmful

EU Hazard Symbols:



R43 - May cause sensitization by skin contact. Hazardous Substance. Non-Dangerous Goods.

Australian Hazard Classification (NOHSC):

Note:

This document has been prepared in accordance with standards for workplace safety, which require the inclusion of all known hazards of the active substance or its intermediates regardless of the potential risk. The precautionary statements and warnings 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	%
Clindamycin Hydrochloride Palmitate	25507-04-4	Not Listed	Xi;R43	3.8

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3. COMPOSITION/INFORMATION ON INGREDIENTS							
Sucrose	57-50-1	200-334-9	Not Listed	*			

Ingredient	CAS Number	EU EINECS/ELINCS List	EU Classification	%
Poloxalene	9003-11-6	Not Listed	Not Listed	*
Dextrin	9004-53-9	232-675-4	Not Listed	*
Cherry flavor, artificial	NOT ASSIGNED	Not Listed	Not Listed	•
Ethylparaben	120-47-8	204-399-4	Not Listed	*
Simethicone	8050-81-5	Not Listed	Not Listed	*

Additional Information:

* Proprietary

Ingredient(s) indicated as hazardous have been assessed under standards for workplace

safety.

For the full text of the R phrases mentioned in this Section, see Section 16

4. 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.

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

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.

5. FIRE FIGHTING MEASURES

Extinguishing Media: Use carbon dioxide, dry chemical, or water spray.

Hazardous Combustion Products: Formation of toxic gases is possible during heating or fire.

Fire Fighting Procedures: During all fire fighting activities, wear appropriate protective equipment, including self-

contained breathing apparatus.

Fire / Explosion Hazards: Fine particles (such as dust and mists) may fuel fires/explosions.

6. ACCIDENTAL RELEASE MEASURES

Health and Safety Precautions: Personnel involved in clean-up should wear appropriate personal protective equipment (see

Section 8). Minimize exposure.

Measures for Cleaning / Collecting: Contain the source of spill if it is safe to do so. Collect spilled material by a method that

controls dust generation. A damp cloth or a filtered vacuum should be used to clean spills of

dry solids. Clean spill area thoroughly.

Measures for Environmental

Protections:

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

avoid environmental release.

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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

General Handling:

Minimize dust generation and accumulation. If tablets or capsules are crushed and/or broken, avoid breathing dust and 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.

Storage Conditions:

Store as directed by product packaging.

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8. EXPOSURE CONTROLS / PERSONAL PROTECTION

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

Clindamycin Hydrochloride Palmitate

Manufacturer OEL:

100ug/m3, (as free base)

Sucrose

ACGIH Threshold Limit Value (TWA)
Australia TWA
Belgium OEL - TWA
Bulgaria OEL - TWA
Estonia OEL - TWA
France OEL - TWA
Ireland OEL - TWAs
Latvia OEL - TWA
Lithuania OEL - TWA
OSHA - Final PELS - TWAs:

10 mg/m³ TWA
10 mg/m³
Listed
Listed
Listed
Listed
Listed
Listed
Listed
Listed
Listed
Tisted
Listed
Listed
Tisted
Tisted
Tisted
Tisted
Tisted
Tisted
Tisted

5 mg/m³ Listed Listed

Analytical Method:

An analytical method may be available for the compound(s) listed above . (Contact Greenstone

for additional details) .

Engineering Controls:

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. Engineering controls should be used as the primary means to control exposures.

Personal Protective Equipment:

Portugal OEL - TWA

Spain OEL - TWA

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.

Respiratory protection:

Respiratory protection is recommended as a precaution to minimize exposure when handling

this material in bulk,

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State:

Granules

Color:

No data available.

Molecular Formula:

Mixture

Molecular Weight:

Mixture

Solubility:

Soluble: Water

10. STABILITY AND REACTIVITY

Chemical Stability:

Stable under normal conditions of use.

Conditions to Avoid:

Fine particles (such as dust and mists) may fuel fires/explosions.

PZ01231

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10. STABILITY AND REACTIVITY

Incompatible Materials:

As a precautionary measure, keep away from strong oxidizers

11. TOXICOLOGICAL INFORMATION

General Information:

The information included in this section describes the potential hazards of the individual

ingredients.

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

Clindamycin Hydrochloride Palmitate

Rat Oral LD 50 > 5000 mg/kg

Para-periosteal LD 50 > 5000 mg/kg Rat

Rat Intraperitoneal LD 50 > 2500 mg/kg

Mouse Oral LD 50 > 5000 mg/kg

Mouse Intravenous LD 50 > 5000 mg/kg

Sucrose

Rat Oral LD50 29.7 g/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.

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

Clindamycin Hydrochloride Palmitate

Rat Oral 600 mg/kg/day 6 Month(s)

NOAEL

No effects at maximum dose

6 Month(s) Dog Oral 300 mg/kg/day NOAEL

No effects at maximum dose

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

Clindamycin Hydrochloride Palmitate

Reproductive & Fertility Rat Oral

300 mg/kg/day

NOAEL

Negative. No effects at maximum dose

Embryo / Fetal Development Mouse Not Teratogenic, No effects at maximum dose Oral 600 mg/kg/day NOAEL

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

Clindamycin Hydrochloride Palmitate

Bacterial Mutagenicity (Ames) Salmonella

Negative

Micronucleus Rat Negative

Sucrose

Bacterial Mutagenicity (Ames)

Salmonella

Negative

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.

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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

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

15. REGULATORY INFORMATION

EU Symbol:

Χn

EU Indication of danger:

Harmful

R43 - May cause sensitization by skin contact.

EU Safety Phrases:

S22 - Do not breathe dust.

S36/37 - Wear suitable protective clothing and gloves.

OSHA Label:

WARNING

May cause allergic skin reaction.

Canada - WHMIS: Classifications

WHMIS hazard class:

Class D, Division 2, Subdivision A



Sucrose

Inventory - United States TSCA - Sect. 8(b) Australia (AICS):

REACH - Annex IV - Exemptions from the

obligations of Register: EU EINECS/ELINCS List

Listed Listed Present

200-334-9

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15. REGULATORY INFORMATION

Poloxalene

Inventory - United States TSCA - Sect. 8(b) Australia (AICS):

Listed Listed

Dextrin

Inventory - United States TSCA - Sect. 8(b) Australia (AICS):

Listed Listed

REACH - Annex IV - Exemptions from the

Present

obligations of Register: EU EINECS/ELINCS List

232-675-4

Ethylparaben

Inventory - United States TSCA - Sect. 8(b)

Listed Listed

Australia (AICS): EU EINECS/ELINCS List

204-399-4

Simethicone

Australia (AICS):

Listed

16. OTHER INFORMATION

Text of R phrases mentioned in Section 3

R43 - May cause sensitization by skin contact.

Data Sources:

Publicly available toxicity information. Safety data sheets for individual ingredients. Pfizer

proprietary drug development information.

Prepared by:

Corporate Occupational Toxicology & Hazard Assessment

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