

**Safety Data Sheet**

For Compliance with OSHA 29 CFR 1910.1200 and ANSI Z400.1-1998

Section 1: Identification

Product Name	Lincomycin Hydrochloride USP Monohydrate		
Commercial Name	Albiotic; Cillimycin; Cillmicina; Frademicina; L-Mycin; Lincojet; Lincorex; Linmycin; Princol		
Product Use	Not available.		
Restrictions On Use	Not available.		
Product Code	30-3177		
Company	PCCA 9901 South Wilcrest Houston, TX 77099 Phone: 1-800-331-2498 Fax: 1-800-874-5760	In case of emergency contact: CHEMTREC (24hr) 1-800-424-9300	

Section 2: Hazard(s) Identification

OSHA Haz Com:	Skin corrosion/irritation 2 Sensitisation, skin 1, 1A, 1B Serious Eye Damage/Eye Irritation 2A Sensitisation,
CFR 1910.1200	respiratory 1, 1A, 1B Specific target organ toxicity, single exposure, respiratory tract irritation 3
Signal Word	DANGER
Hazard Statement(s)	Causes skin irritation. May cause an allergic skin reaction. Causes serious eye irritation. May cause allergy or asthma symptoms or breathing difficulties if inhaled. May cause respiratory irritation.

Pictogram(s) or Symbol(s)**Precautionary Statement(s):**

Prevention	P261 Avoid breathing dust/fume/gas/mist/vapours/spray. P264 Wash face, hands and any exposed skin thoroughly after handling P271 Use only outdoors or in a well-ventilated area P272 Contaminated work clothing should not be allowed out of the workplace. P280 Wear protective gloves/protective clothing/eye protection/face protection. P284 Wear respiratory protection.
Response	P312 Call a POISON CENTER or doctor/physician if you feel unwell. P321 Specific treatment (see section 4 of the MSDS) P302 + P352 IF ON SKIN: Wash with plenty of soap and water. P304 + P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. P332 + P313 If skin irritation occurs: Get medical advice/ attention. P333 + P313 If skin irritation or rash occurs: Get medical advice/attention. P337 + P313 If eye irritation persists: Get medical advice/attention. P362 Take off contaminated clothing and wash before reuse. P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
Storage	P405 Store locked up. P404 + P233 Store in a well-ventilated place. Keep container tightly closed.
Disposal	P501 Dispose of contents/container to an approved waste disposal plant.

Section 3: Composition/Information on Ingredients

Substance/Mixture	Substance
Components	Lincomycin Hydrochloride USP Monohydrate
% By Weight	100
CAS#	7179-49-9
Molecular Weight	461.02 g/mole
Chemical Formula	C ₁₈ H ₃₄ N ₂ O ₆ S.HCL.H ₂ O
Synonym(s)	Lincocin hydrochloride hydrate; Lincomycin, hydrochloride hydrate; Lincomycin, hydrochloride, hemihydrate; Mycivin; Waynecomycin

Mixtures				
Name	CAS#	% by Weight	TLV/PEL	LC50/LD50
Lincomycin Hydrochloride USP Monohydrate	7179-49-9	100	N/A	N/A

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Section 4: First-Aid Measures

Inhalation	Move to fresh air in case of accidental inhalation. Assure fresh air breathing. Obtain medical attention if breathing difficulty persists.
Skin Contact	Rinse skin with water/shower. Wash with plenty of soap and water.
Eye Contact	Rinse with water while holding the eyes wide open. Contact lenses should be removed. Obtain medical attention if pain, blinking or redness persist.
Ingestion	Rinse mouth out with water. The following symptoms may occur: skin irritation, allergic skin reaction, serious eye irritation, allergy or asthma symptoms or breathing difficulties if inhaled and respiratory irritation. If you feel unwell, seek medical advice. Prolonged medical observation may be indicated.
Symptoms/Effects	
Acute	skin irritation, serious eye irritation, allergy or asthma symptoms or breathing difficulties if inhaled, and respiratory irritation
Delayed	skin irritation, serious eye irritation, allergy or asthma symptoms or breathing difficulties if inhaled, and respiratory irritation

Immediate Medical Attention

In all cases of doubt, or when symptoms persist, seek medical attention. If possible show this sheet, if not available show packaging or label. If the occupational exposure limit is exceeded : Specific medical surveillance.

Section 5: Fire-Fighting Measures**Suitable Extinguishing Media**

Small amounts: Use extinguishing media appropriate for surrounding fire. Water spray. Carbon dioxide. Dry powder. Foam. Large amounts: Not applicable

Unsuitable Extinguishing Media

Not available

Products of Combustion

Not available.

Firefighters Special Equipment and Precautions

Dilute with water.

Section 6: Accidental Release Measures

Personal precautions, protective equipment and emergency procedures: Keep unnecessary personnel away. Wear appropriate personal protective equipment. Avoid inhalation of dust from the spilled material. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ensure adequate ventilation. For personal protection, see section 8 of the MSDS. Environmental precautions: Avoid discharge into drains, water courses or onto the ground. Methods and material for containment and cleaning up: Sweep spilled substance into containers; if appropriate, moisten first to prevent dusting. Ensure waste is collected and contained. Clean thoroughly. Clean with water. Collect all waste in suitable and labeled containers and dispose according to local legislation. Wash the non-recoverable remainder with : Sodium hypochlorite solution.

Section 7: Handling and Storage

Precautions for safe handling: As a general rule, when handling the materials, avoid all contact and inhalation of dust, mists and/or vapors associated with the material. Clean equipment and work surfaces with suitable detergent or solvent after use. After removing gloves, wash hands and other exposed skin thoroughly. Conditions for safe storage, including any incompatibilities: Preserve in tight containers and store at a temperature not exceeding 30°C.

Section 8: Exposure Controls/Personal Protection

Exposure Limits	Not available.
Engineering Controls	Airborne exposure should be controlled primarily by engineering controls such as general dilution ventilation, local exhaust ventilation, or process enclosure. Local exhaust ventilation is generally preferred to general exhaust because it can control the contaminant at its source, preventing dispersion into the work area. An industrial hygiene survey involving air monitoring may be used to determine the effectiveness of engineering controls. Effectiveness of engineering controls intended for use with highly potent materials should be assessed by use of nontoxic surrogate materials.

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Personal Protection

Hand protection: Gloves. Chemical resistant PVC gloves. Eye protection: Wear eye protection. DIN EN 166. Skin and body protection: Lab coat. Wear suitable protective clothing. DIN EN 13034. Respiratory protection: Quarter mask (DIN EN 140). Wear appropriate breathing apparatus if air renewal not sufficient to maintain dust/vapour under TLV.

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Section 9: Physical and Chemical Properties

Appearance	White or almost white, crystalline power		
Odor	Faint odor to odorless		
Odor Threshold	Not available.		
Melting Point	Not available.	pH	Not available.
Freezing Point	3-5.5	Vapor Pressure	Not available.
Boiling Point/Range	Not available.	Vapor Density	Not available.
Decomposition temperature	Not available.	Viscosity	Not available.
Partition Coefficient: n-octanol/water	2.55	Evaporation Rate	Not available.
Flash Point	345 °C	Autoignition temperature	Not available.
Flammability	Not available.	Flammability or Explosive Limits:	
		Lower	Not available.
		Upper	Not available.
Solubility(ies)	Very soluble in water, soluble in dimethylformamide, slightly soluble in ethanol (96 percent), very slightly soluble in acetone		
Other	Not available.		

Section 10: Stability and Reactivity

Reactivity	Stable under normal conditions
Chemical Stability	Stable under normal conditions
Hazardous Polymerization	Small amounts: When used and handled according to specifications, the product does not have any harmful effects according to our experience and the information provided to us.
Conditions to Avoid	Not available.
Incompatible Materials	Not available
Hazardous Decomposition Products	When heated to decomposition, emits dangerous fumes.

Section 11: Toxicological Information**RTECS** RH6315500**Acute Toxicity**

Oral LD50 [Rat]: >4000mg/kg Oral LD50 [Mouse]: 4000mg/kg

Skin Corrosion/Irritation

May cause an allergic skin reaction.

Serious Eye Damage/Irritation

Not available.

Respiratory or Skin Sensitization

May cause allergy or asthma symptoms or breathing difficulties if inhaled. May cause an allergic skin reaction

Germ Cell Mutagenicity

Not available.

Carcinogenicity

Not available.

Reproductive Toxicity

Lincomycin crosses the placenta and may be concentrated in the fetal liver. Human epidemiological studies have not identified abnormalities caused by therapeutic use of this material during pregnancy.

Routes of Entry

Not available

Symptoms Related to Exposure

Avoid any direct contact with the product. Small amounts: When used and handled according to specifications, the product does not have any harmful effects according to our experience and the information provided to us.

Potential Health Effects

Not available.

Target Organ(s)

Not available.

Section 12: Ecological Information**Ecotoxicity**

LC50 fishes 1 : > 900 mg/l LC50-96 Hour-fish EC50 Daphnia 1: >900 mg/l EC50-48 Hour - Daphnia magna

Persistence and Degradability

Not available.

Bioaccumulative Potential

Log Pow;2,55 at 20°C

Mobility in Soil

Not available.

Other Adverse Effects

Not available.

Section 13: Disposal Considerations**Waste Disposal**

Dispose in a safe manner in accordance with local/national regulations. Do not empty into drains, dispose of this material and its container at hazardous or special waste collection point.

Disposal of Container

Since emptied containers may retain product residue, follow label warnings even after containers is emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal.

Other Considerations

Not available.

Section 14: Transport Information**DOT Classification**

Not a DOT controlled material (United States). This material is not classified dangerous good according to international transportation regulations (ADR/RID-IMDG-ICAO/IATA). Transport and intermediate store at not more than 30 °C is recommended. Not more than 40±2 °C & 75%±5%RH for short-term excursions (within 6 months) outside the recommended conditions.

Section 15: Regulatory Information**Regulations**

Not available.

Other

Not available.

Section 16: Other Information

Not available.