


Section 1: Identification

Common Name/Trade Name	CYPROHEPTADINE HCL USP	
Supplier Information	Letco Medical, LLC 1316 Commerce Drive NW Decatur, AL 35601 1 (800) 239-5288 +1 (734) 843-4693	IN CASE OF EMERGENCY: Chemtrec 1 (800) 424-9300 (24 hours)
Product Synonym(s)	N/A	
Relevant Use(s) of Product	Manufacture or Compounding of Substances	

Section 2: Hazards Identification

Classification of Substance or Mixture	Acute toxicity, Oral (Category 3), Serious Eye Damage/Eye Irritation (Category 2), STOT single exposure (Category 3)	
Signal Word	Danger	
Hazard Statement(s)	H301 H319 H335	Toxic if swallowed Causes serious eye irritation May cause respiratory irritation
Pictogram(s)		
Precautionary Statement(s)	P261 P264 P280 P301+P310 P304+P340 P305+P351+P338 P312 P330 P337+P313	Avoid breathing dust/fume/gas/mist/vapours/spray. Wash hands thoroughly after handling. Wear protective gloves/protective clothing/eye protection/face protection. IF SWALLOWED Immediately call a POISON CENTER or doctor/physician. IF INHALED Remove victim to fresh air and keep at rest in a position comfortable for breathing. IF IN EYES Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. continue rinsing. Call a POISON CENTER or doctor/physician if you feel unwell. Rinse mouth. If eye irritation persists Get medical advice/attention.
Hazards Not Otherwise Classified	No data available	
Ingredient(s) with Unknown Toxicity	No data available	

Section 3: Composition/Information on Ingredients

Chemical Name	4-(5H-dibenzo [a,d]cyclohepten-5-ylidene)-1-methylpiperidine hydrochloride Sesquihydrate
Common Name	Cyproheptadine hydrochloride
CAS Number	41354-29-4
Impurities and/or Stabilizing Additives	No data available

Section 4: First Aid Measures

General Advice	Remove from exposure. Remove contaminated clothing. Persons developing serious hypersensitivity (anaphylactic) reactions must receive immediate medical attention. If person is not breathing give artificial respiration. If breathing is difficult give oxygen. Obtain medical attention.
If Inhaled	May cause irritation. Remove to fresh air.
In Case of Skin Contact	May cause irritation. Flush with copious quantities of water.
In Case of Eye Contact	Causes irritation. Avoid contact. Flush with copious quantities of water for 15 minutes.
If Swallowed	May cause irritation, bitter taste, and toxicity. Flush out mouth with water. This material is well absorbed from the gastrointestinal tract. Its duration of action is 8 hours.
Most Important Symptoms and Effects	Overdose Treatment: Treatment of antihistamine overdose should be symptomatic and supportive and may include the following: 1. Do NOT induce vomiting. 2. Administer activated charcoal as a slurry. 3. For delirium, administer physostigmine. 4. For tachycardia in agitated patients, sedate with benzodiazepines. If severe tachycardia results in hemodynamic compromise or ischemia, administer beta-blocking agents. A short-acting cardioselective agent, such as esmolol, is preferred. 5. Administer intravenous lidocaine. 6. Dysrhythmias may respond to sodium bicarbonate. 7. For torsades de pointes in hemodynamically unstable patients, treat with electrical cardioversion. In stable patients, treat with magnesium, isoproterenol, and/or atrial overdrive pacing. Correct electrolyte abnormalities. AVOID class Ia (quinidine, disopyramide, procainamide), class Ic (flecainide, ecainide, propafenone), and most class III antidysrhythmics (N-acetylprocainamide, sotalol). 8. For seizures, administer intravenous diazepam or lorazepam. If seizures recur, consider phenobarbital. Monitor for hypotension, dysrhythmias, respiratory depression, and need for endotracheal intubation. Evaluate for hypoglycemia, electrolyte disturbances, and hypoxia. 9. For hypotension, infuse isotonic fluid. If hypotension persists, administer dopamine or norepinephrine. 10. Treat dystonia with oral or intravenous diazepam, agitation with benzodiazepines, hyperthermia with sponge application of tepid water and fanning (AVOID phenothiazines), and severe hyperthermia with neuromuscular paralysis. [Meditext 2008] In case of reactions described in hazards identification or other severe, immediate or persisting symptoms seek medical advice and call the nearest poison centre. Show the label and this safety data sheet.

Section 5: Fire Fighting Measures

Suitable Extinguishing Media	Suitable extinguishing media: Water spray. Carbon dioxide. Dry powder. Unsuitable extinguishing media: Do not use a heavy water stream. Use water spray or fog for cooling exposed containers.
Special Hazards Arising From the Substance/Mixture	Incomplete combustion will generate poisonous carbon monoxide, carbon dioxide and other toxic gases
Special PPE and/or Precautions for Firefighters	Do not enter fire area without proper protective equipment, including respiratory protection.

Section 6: Accidental Release Measures

Personal Precautions, Protective Equipment and Emergency Procedures	Personal precautions: Spill should be handled by trained cleaning personnel properly equipped with respiratory and eye protection. General precautions: Remove ignition sources. Evacuate area.
Methods and Materials Used for Containment	Clean up methods: Clean spills promptly. To clean the floor and all objects contaminated by this
Cleanup Procedures	Clean up methods: Clean spills promptly. To clean the floor and all objects contaminated by this. Material use: sodium hypochlorite solution. Ensure adequate ventilation.

Section 7: Handling and Storage

Precautions for Safe Handling	Personal protection: Avoid all unnecessary exposure. Ensure prompt removal from eyes, skin and clothing. Technical protective measures: Material should be handled in a laboratory hood whenever possible. Handling: Handle in accordance with good industrial hygiene and safety procedures.
Conditions for Safe Storage	Keep container tightly closed in a cool, well ventilated place. Storage - away from: All heat sources, including direct sunlight. Open flame. Sources of ignition. Sparks.

Section 8: Exposure Controls/Personal Protection

Components with Workplace Control Parameters	No information available
Appropriate Engineering Controls	Provide local exhaust or general room ventilation. Material should be handled in a laboratory hood whenever possible.
PPE - Eye/Face Protection	Chemical goggles or safety glasses.
PPE - Skin Protection	Wear suitable gloves resistant to chemical penetration.
PPE - Body Protection	Wear suitable protective clothing.
PPE - Respiratory Protection	Wear approved mask. (P2) In case of insufficient ventilation, wear suitable respiratory equipment.

Section 9: Physical and Chemical Properties

Appearance	White to slightly yellow crystalline powder;
Upper/Lower Flammability or Explosive Limits	No data available
Odor	odorless or practically odorless
Vapor Pressure	No data available
Odor Threshold	No data available
Vapor Density	No data available
pH	No data available
Relative Density	No data available
Melting Point/Freezing Point	252-254 C (decomposes)
Solubility	Slightly soluble in water. Other Solubility: Freely soluble in methanol; soluble in chloroform; sparingly soluble in alcohol; practically insoluble in ether
Initial Boiling Point and Boiling Range	No data available
Flash Point	No data available
Evaporation Rate	No data available
Flammability (Solid, Gas)	No data available
Partition Coefficient	No data available
Auto-Ignition Temperature	No data available
Decomposition Temperature	252-254 C (decomposes)
Viscosity	No data available

Section 10: Stability and Reactivity

Reactivity	No data available
Chemical Stability	Stable under normal conditions.
Possibility of Hazardous Reactions	None under normal conditions.
Conditions to Avoid	Strong oxidizers. Heat. Sources of ignition. Light.
Incompatible Materials	Strong oxidizers.
Hazardous Decomposition Products	Carbon monoxide. Carbon dioxide. Nitrogen oxides. Chlorides. When heated to decomposition, emits dangerous fumes. Hazardous polymerization: Will not occur.

Section 11: Toxicological Information

Acute Toxicity - LD50 Oral	Oral Rat: LD50: 295 mg/kg (anhydrous) Oral Mouse: LD50: 69 mg/kg (anhydrous)
Acute Toxicity - Inhalation	No data available
Acute Toxicity - Dermal	No data available
Acute Toxicity - Eye	Rabbit/eye (anhydrous): severe
Skin Corrosion/Irritation	No data available
Serious Eye Damage/Irritation	Rabbit/eye (anhydrous): severe
Respiratory or Skin Sensitization	No data available
Germ Cell Mutagenicity	Cyproheptadine did not produce chromosome damage in human lymphocytes or fibroblasts in vitro and did not have a mutagenic effect in the Ames S.Typhimurium assay.
Carcinogenicity IARC	No.
Carcinogenicity ACGIH	No data available
Carcinogenicity NTP	No.
Carcinogenicity OSHA	No.
Reproductive Toxicity	There was no evidence of impaired fertility or harm to the fetus due to cyproheptadine in a study of rabbits, mice, and rats administered oral or subcutaneous doses up to 32 times the maximum recommended human dose, including rats given 5 mg/kg subcutaneously during pregnancy. Skeletal retardation and liver and brain damage increased in the fetuses of rats given an intraperitoneal dose of 50 mg/kg during pregnancy. Some rat studies have shown that prenatal exposure to cyproheptadine can deplete pancreatic insulin levels and cause pancreas toxicity. Toxic for reproduction: unborn child: Category 3 : Substances which cause concern for humans owing to possible developmental toxic effects.
Specific Target Organ Toxicity - Single Exposure	No data available
Specific Target Organ Toxicity - Repeated Exposure	No data available
Aspiration Hazard	No data available

Section 12: Ecological Information

Toxicity	No data available
Persistence and Degradability	No data available
Bio-accumulative Potential	No data available
Mobility in Soil	Log P octanol / water at 20Å°C: 4.682
Other Adverse Effects	No data available

Section 13: Disposal Considerations

Waste Treatment Methods Product	General: Dispose of this material and its container at hazardous or special waste collection point. Dispose in a safe manner in accordance with local/national regulations.
Waste Treatment Methods Packaging	General: Dispose of this material and its container at hazardous or special waste collection point. Dispose in a safe manner in accordance with local/national regulations.
Special Precautions Landfill or Incinerations	No data available
Other Information	No data available

Section 14: Transport Information

UN Number	2811
UN Proper Shipping Name	TOXIC SOLID, ORGANIC, N.O.S. (Cyproheptadine hydrochloride)
Transport Hazard Class(es)	6.1
Packaging Group	III
Environmental Hazards	No data available.

Section 15: Regulatory Information

No information available.

Section 16: Other Information

Additional Information	N/A
Prepared By	Scarlotte Smith
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