

**Safety Data Sheet**

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

Section 1: Identification**Product Name** Pseudoephedrine Hydrochloride USP**Commercial Name** Not available.**Product Use** Pharmaceutical ingredient**Restrictions On Use** Not available**Product Code** 30-1159**Company** PCCA
9901 South Wilcrest
Houston, TX 77099
Phone: 1-800-331-2498
Fax: 1-800-874-5760In case of emergency contact:
CHEMTREC (24hr) 1-800-424-9300**Section 2: Hazard(s) Identification****OSHA Haz Com:** Acute toxicity (oral), Category 4
CFR 1910.1200**Signal Word** WARNING**Hazard Statement(s)** Harmful if swallowed**Pictogram(s) or Symbol(s)****Precautionary Statement(s):**

Prevention	Not available
Response	P301+P312 - IF SWALLOWED: call a POISON CENTER or doctor/physician if you feel unwell
Storage	Not available
Disposal	Not available.

Section 3: Composition/Information on Ingredients**Substance/Mixture** Substance**Components** (+)-Pseudoephedrine hydrochloride**% By Weight** 100**CAS#** 345-78-8**Molecular Weight** 201.7 g/mole**Chemical Formula** C₁₀H₁₅NO.HCl**Synonym(s)** d-(alpha-1(1-(methylamino)ethyl)benzyl alcohol hydrochloride Benzenementhanol Alpha-(1(Methylamino)ethyl-,Hydrochlori:R)) Sinufed Sudafed**Mixtures**

Name	CAS#	% by Weight	TLV/PEL	LC50/LD50
(+)-Pseudoephedrine hydrochloride	345-78-8	100	Not available.	Not available.

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Section 4: First-Aid Measures

Inhalation	Remove victim to fresh air. Seek medical advice.
Skin Contact	Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse. Seek medical attention if ill effect or irritation develops.
Eye Contact	Rinse immediately with plenty of water. If eye irritation persists, take medical advice.
Ingestion	Drink plenty of water. Induce vomiting if person is conscious. Never give anything by mouth to an unconscious person. Seek medical advice.
Symptoms/Effects	
Acute	Not available
Delayed	Not available
Immediate Medical Attention	Not available.

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

All extinguishing agents can be used.

Unsuitable Extinguishing Media

Do not use a heavy water stream.

Products of Combustion

Carbon monoxide (CO) Hydrogen chloride (HCl) Nitrogen oxides (NOx)

Firefighters Special Equipment and Precautions

Wear self-contained respiratory protective device

Section 6: Accidental Release Measures

For non-emergency personnel Emergency procedures: Ensure adequate air ventilation. Avoid raising dust. For emergency responders Protective equipment: Wear proper protective equipment. Wear respiratory protection. Keep unprotected persons away. Ensure adequate ventilation Environmental precautions: Do not allow to enter sewers/ surface or ground water. Methods for cleaning up: Sweep up dry powder and dispose properly. To clean the floor or objects contaminated by this product, use : Water. Detergent.

Section 7: Handling and Storage

Precautions for safe handling: Handle in accordance with good industrial hygiene and safety procedures. Conditions for safe storage, including any incompatibilities Storage conditions: Store in tight, light-resistant containers. This material should be handled and stored as per label instructions to ensure product integrity.

Section 8: Exposure Controls/Personal Protection

Exposure Limits	Not available.
Engineering Controls	Not available.
Personal Protection	General protective and hygienic measures: Be sure to clean skin thoroughly after work and before breaks. Keep away from foodstuffs, beverages and feed. Respiratory protection: Suitable respiratory protective device recommended Hand protection: Gloves Nitrile Rubber(NBR) Eye protection: Safety glasses. Body protection: Protective work clothing

Section 9: Physical and Chemical Properties

Appearance	Fine, white odorless crystals or powder.		
Odor	Not available		
Odor Threshold	Not available.		
Melting Point	182 - 1860C	pH	Not available.
Freezing Point	Not available.	Vapor Pressure	Not applicable.
Boiling Point/Range	Decomposes.	Vapor Density	Not available.
Decomposition temperature	Not available.	Viscosity	Not available.
Partition Coefficient: n-octanol/water	Not available.	Evaporation Rate	Not available.
Flash Point	Not available.	Autoignition temperature	Not available.
Flammability	Not available.	Flammability or Explosive Limits:	
		Lower	Not available.
		Upper	Not available.
Solubility(ies)	Freely soluble in water.		
Other	Not available.		

Section 10: Stability and Reactivity

Reactivity	Not available
Chemical Stability	No decomposition if used and stored according to specifications. To avoid thermal decomposition do not overheat
Hazardous Polymerization	No dangerous reactions known.
Conditions to Avoid	Not available
Incompatible Materials	Not available.
Hazardous Decomposition Products	When heated to decomposition, emits dangerous fumes.

Section 11: Toxicological Information

RTECS	UL5950000
Acute Toxicity	
Oral Harmful if swallowed. LD/LC50 values relevant for classification: Oral, LD50 371mg/kg (mouse)	
Skin Corrosion/Irritation	
Not available	
Serious Eye Damage/Irritation	
Not available	
Respiratory or Skin Sensitization	
Not available	
Germ Cell Mutagenicity	
Not available	
Carcinogenicity	
Not available	
Reproductive Toxicity	
Not available	
Routes of Entry	
Not available.	

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Symptoms Related to Exposure

Not available

Potential Health Effects

Not available

Target Organ(s)

Not available.

Section 12: Ecological Information**Ecotoxicity**

Not available

Persistence and Degradability

Not available

Bioaccumulative Potential

Not available

Mobility in Soil

Not available

Other Adverse Effects

Not available

Section 13: Disposal Considerations**Waste Disposal**

Must be specially treated adhering to official regulations. Must not be disposed together with household garbage. Do not allow product to reach sewage system. Recommendation: Disposal must be made according to official regulations. Recommended cleansing agents: Water, if necessary together with cleansing agents

Disposal of Container

Not available

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).

Section 15: Regulatory Information**Regulations**

Safety, health and environmental regulations/legislation specific for the substance or mixture 15.1.1. EU-Regulations No REACH Annex XVII restrictions Ephedrine hydrochloride is not on the REACH Candidate List Ephedrine hydrochloride is not on the REACH Annex XIV List 15.1.2. National regulations :No additional information available 15.2 Chemical safety assessment : A Chemical Safety Assessment has not been carried out.

Other

WHMIS CLASS D-2A: Material causing other toxic (Canada) effects (VERY TOXIC);DSCL (EEC) R38- Irritating to skin. R41- Risk of serious damage to eyes.;Gloves.;Lab coat.;Dust respirator. Be sure to use an approved/certified respirator or equivalent. Wear appropriate respirator when ventilation is inadequate.;Splash goggles.

Section 16: Other Information

The above mentioned data correspond to our present state of knowledge and experience. They serve as a description of the products in regard to necessary safety measures and do not guarantee the described chemical properties.