

**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: 1-800-874-5760

In case of emergency contact:
CHEMTREC (24hr) 1-800-424-9300

Section 2: Hazard(s) Identification

OSHA Haz Com: Skin irritation (category 2) Eye irritation (category 2A) Specific target organ toxicity- single exposure
CFR 1910.1200 (category 3), Respiratory system

Signal Word WARNING

Hazard Statement(s) Causes skin irritation, causes serious eye irritation, may cause respiratory irritation.

Pictogram(s) or Symbol(s)



Precautionary Statement(s):

Prevention Avoid breathing dust/fume/gas/mist/vapors/ spray. Wash skin thoroughly after handling Use only outdoors or in a well ventilated area Wear protective gloves/ protective clothing/eye protection/face protection IF ON SKIN : wash with plenty soap and water IF INHALED: Remove 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

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 Benzenemethanol Alpha-(1(Methylamino)ethyl-,Hydrochloride: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	Move person to fresh air. If not breathing, give artificial respiration. If breathing, is difficult, give oxygen. Obtain medical aid.
Skin Contact	Immediately flush skin with running water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse. Obtain medical aid immediately.
Eye Contact	Immediately flush open eyes with running water for at least 15 minutes. Obtain medical aid immediately.
Ingestion	Do not induce vomiting without medical advice. Rinse mouth with water. Never administer anything by mouth to an unconscious person. Obtain medical aid immediately.
Symptoms/Effects	
Acute	Not available
Delayed	Not available
Immediate Medical Attention	Not available.

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

Use water spray, dry chemical, carbon dioxide or chemical foam.

Unsuitable Extinguishing Media

Do not use a heavy water stream.

Products of Combustion

Carbon oxides, Nitrogen oxides

Firefighters Special Equipment and Precautions

As in any fire, wear NIOSH- approved or equivalent, pressure -demand, self-contained breathing apparatus and full protective gear. During fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion.

Section 6: Accidental Release Measures

Personal precautions, protective equipment, and emergency procedures: Wear protective equipment and keep unprotected personnel away. Ensure adequate ventilation. Remove all sources of ignition. Prevent further leak or spill if safe to do. For personal protective equipment, please refer to section 8. Environmental precautions: Do not let product enter drains, other waterways or soil. Methods and material for containment and cleaning up: Prevent further leak or spill if safe to do so. Vacuum, sweep up or absorb with inert material and place into a suitable disposal container. Consult local regulations for disposal. See section 13 for further disposal information.

Section 7: Handling and Storage

Precautions for safe handling: Avoid contact with skin, eyes, and personal clothing. Wash hands thoroughly after handling. Avoid breathing fumes. Use only with adequate ventilation. Wear suitable protective clothing, gloves and eye/face protection. Keep away from sources of ignition. Minimize dust generation and accumulation. Keep container tightly closed. Open and handle container with care. Do not eat, drink or smoke while handling. Conditions for safe storage, including any incompatibilities: Store in a tightly-closed container when not in use. Store in a cool, dry, well-ventilated area away from incompatible substances. Keep away from sources of ignition.

Section 8: Exposure Controls/Personal Protection

Exposure Limits	Not available.
Engineering Controls	Avoid contact with skin, eyes, and clothing. Wash hands before breaks and immediately after handling the product. Facilities storing or utilizing this material should be equipped with an eyewash fountain. Use adequate general and local exhaust ventilation to keep airborne concentrations low.

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Personal Protection

Eyes: Based on an evaluation of the eye or face hazards present, wear a chemical splash-resistant safety glasses or goggles with side protection. A face shield may be appropriate in some workplaces. Use eyewear tested and approved under appropriate government standards such as OSHA 29 CFR 1910.133 OR EU EN 166. Hands: Wear gloves selected based on an evaluation of the possible hazards to hands or skin, the duration of use, the physical conditions of the workplace, and the chemical resistance and physical properties of the glove material. Skin and body: Protective clothing must be selected based on the hazards present in the workplace, the physical environment, the duration of exposure and other factors. No fabric can provide protection against all potential hazards, therefore it is important to select the appropriate protective clothing for each specific hazard. At a minimum, wear a lab coat and close-toed footwear. Respiratory: Respirators are not a substitute for accepted engineering control measures such as enclosure or confinement of the operation, general and local ventilation and substitution of less toxic materials. When respiratory personal protective equipment is appropriate based on an assessment of respiratory hazards in the workplace, use NIOSH or CEN-certified respirator

Section 9: Physical and Chemical Properties

Appearance	Fine, white odorless crystals or powder.		
Odor	Not available		
Odor Threshold	Not available.		
Melting Point	Not available	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	Stable under recommended temperatures and pressures
Hazardous Polymerization	Not available
Conditions to Avoid	Dust generation
Incompatible Materials	Strong oxidizing agents
Hazardous Decomposition Products	carbon oxides, nitrogen oxides

Section 11: Toxicological Information**RTECS** UL5950000**Acute Toxicity**

Inflammation of the eye is characterized by redness, watering, itching. Skin inflammation is characterized by itching, scaling, reddening or occasionally blistering

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

Inhalation, eye contact, skin contact, ingestion

Symptoms Related to Exposure

Not available

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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**

Chemical waste generators must determine whether a discarded chemical is classified as hazardous waste. US EPA guidelines for the classification determination are listed in 40 CFR 261.3. Additionally, waste generators must consult state and local hazardous waste regulations to ensure complete and accurate classification. Observe all federal, state and local regulations when disposing of the substance

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.