

Safety Data Sheet

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

Section 1: Identification

Product Name PRAZOSIN HYDROCHLORIDE USP
Commercial Name N/A
Product Use N/A
Restrictions On Use N/A

Product Code 30-5040

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: Acute toxicity, oral, 5 Aquatic environment hazard, acute, 3

CFR 1910.1200

Signal Word WARNING

Hazard Statement(s) May be harmful if excess intake. May be harmful to aquatic life.

Pictogram(s) or Symbol(s)



Precautionary Statement(s):

Prevention Not available
Response P312 Call a POISON CENTER or doctor/physician if you feel unwell.
Storage Not available
Disposal Dispose of contents & container in accordance with local & national regulations

Section 3: Composition/Information on Ingredients

Substance/Mixture Substance
Components Prazosin Hydrochloride USP
% By Weight 100
CAS# 19237-84-4
Molecular Weight N/A
Chemical Formula N/A
Synonym(s) N/A

Mixtures

Name	CAS#	% by Weight	TLV/PEL	LC50/LD50
Prazosin Hydrochloride USP	19237-84-4	100	N/A	N/A

Section 4: First-Aid Measures

Inhalation	In case of persisting adverse effects, consult a physician. Show this safety data sheet to the doctor in attendance. Exposure to decomposition products (Inhalation): Move affected person to fresh air. Provide oxygen or artificial respiration if needed. Symptoms of poisoning may develop many hours after exposure. Consult a physician. Keep under medical supervision for at least 48 hours.
Skin Contact	Wash off affected area with soap and water. Remove contaminated clothing and launder clothing before reuse. Get medical attention if symptoms develop or persist. Exposure to decomposition products (Skin): Wash off with plenty of water. Call a physician if irritation develops or persists.
Eye Contact	Rinse eyes immediately with plenty of water for 15 minutes, including under the eyelids. If eye irritation develops or persists, consult a specialist. Exposure to decomposition products (Eyes) : Remove contact lenses, if present. Rinse eyes immediately with plenty of water for 15 minutes, including under the eyelids. Get medical attention immediately.
Ingestion	Ingestion: Rinse out mouth and give plenty of water to drink. Do not induce vomiting. Never give anything by mouth to an unconscious person. If symptoms develop or persist, call a physician. If large quantities of this material are swallowed, seek medical advice immediately.
Symptoms/Effects	
Acute	Inhalation:Inhalation of fumes may cause irritation Skin contact:Contact with skin may cause irritation, redness Eye Contact:Contact with skin may cause irritation, redness Ingestion:Ingestion may provoke the following symptoms: Nausea, Vomiting, Diarrhea, Abdominal Pain
Delayed	Inhalation:Inhalation of fumes may cause irritation Skin contact:Contact with skin may cause irritation, redness Eye Contact:Contact with skin may cause irritation, redness Ingestion:Ingestion may provoke the following symptoms: Nausea, Vomiting, Diarrhea, Abdominal Pain
Immediate Medical Attention	No special treatments required. Treat symptomatically

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

Water Spray or Mist Extinguishing Powder Alcohol-resistant Foam Dry Chemical Carbon dioxide (CO₂) Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable Extinguishing Media

Full water jet, which may spread fire.

Products of Combustion

In high temperature or fire conditions, hazardous or toxic decomposition products may be produced. Exposure to decomposition products may be a hazard to health. Various decomposition products may be formed, including: Carbon oxides and other hydrocarbon combustion compounds, smoke, and fumes.

Firefighters Special Equipment and Precautions

Wear NIOSH/MSHA-approved self-contained breathing apparatus and protective suit. Evacuate personnel to safe areas. Approach from upwind. Protect intervention team with a water spray as they approach the fire. Keep containers and surroundings cool with water spray. Keep product and empty containers away from heat and sources of ignition. Prevent runoff from fire control or dilution from entering streams, sewers, or drinking water supply

Section 6: Accidental Release Measures

Personal precautions, protective equipment and emergency procedures Use appropriate personal protective equipment during clean-up. Advice for non-emergency personnel Prevent further spillage if safe to do so. Advice for emergency responders Ensure adequate ventilation. Avoid dust or mist formation. Keep away from open flames, hot surfaces and sources of ignition. Material can create slippery conditions. Sweep or soak up to prevent slipping hazard. Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Refer to protective measures listed in sections 7 and 8. Environmental precautions Product should NOT be released into the environment. Do not flush into surface water or sanitary sewer system. Prevent material from entering sewers, waterways, or low areas. In case of accidental release or spill, immediately notify the appropriate authorities if required by national, state/provincial and local laws and regulations. Methods and materials for containment and cleaning up Sweep up or soak up with inert absorbent material. Put in suitable container for disposal. Clean contaminated floors and objects thoroughly while observing environmental regulations. Suitable Material for picking up: Dry Earth, Sand, Other non-combustible materials

Section 7: Handling and Storage

Container should only be opened in a well ventilated area. If workplace exposure limits are exceeded, wear suitable respiratory equipment. Avoid dust or vapor formation. Avoid inhalation of vapor or mist. Do not contaminate tobacco products. Ensure adequate ventilation Use personal protective equipment. (Section 8) Keep away from heat and sources of ignition. To avoid thermal decomposition, do NOT overheat. Take measures to prevent the build up of electrostatic charge. Clean and dry piping circuits and equipment before any operations. Ensure all equipment is electrically grounded before beginning transfer operations. Do not eat, drink or smoke during work time. Keep away from foodstuffs and beverages. Avoid contact with skin, eyes and clothing. Wash hands thoroughly after handling. Remove and wash contaminated clothing before reuse. Conditions for storage, including incompatibilities Storage: Keep container tightly closed, dry, and upright. Protect from contamination. Always keep in containers of the same material as the original material. Keep in a cool well-ventilated place. Keep away from heat and sources of ignition. Keep in properly labelled containers. Keep away from combustible materials. Provide tight electrical equipment well protected against corrosion. Keep away from tobacco products. Stable under recommended storage conditions. For further information see Section 10 . Recommended Storage Temperatures: Min 0°C Max 40°C Specific end uses: Medicinal use Keep away from: Combustible materials, flammable materials, non-aqueous alkalis, molten alkali metals

Section 8: Exposure Controls/Personal Protection

Exposure Limits	Environmental exposure controls: General: Dispose of rinse water in accordance with local and national regulations.
Engineering Controls	Engineering Controls: Apply technical measures to comply with the occupational exposure limits. Provide appropriate local exhaust when product is heated. Refer to protective measures listed in sections 7 and 8.
Personal Protection	Respiratory protection : Recommended: Dust mask, if working with dusty materials. Respirator, if working with hot materials. Use respirator when performing operations involving potential exposure to dust clouds or product vapor. In case of decomposition (Sec. 10), wear a suitable respirator with a combination filter for organic vapor & particulate. Use only respiratory protection that conforms to national / international standards, such as NIOSH. Hand protection : Recommended: Rubber, neoprene, or nitrile gloves. Select and use gloves based on the likelihood and severity of exposure, following manufacturers' recommendations. In case of high-temperature processing wear: heat resistant gloves. (EN 407). If risk of decomposition, wear: rubber or neoprene gloves (EN 374). Eye/face protection : Recommended: Safety glasses with side-shields (EN 166) If spilling are likely to occur, wear: Tightly fitting safety goggles In case of high-temperature processing wear: Tightly fitting safety goggles Skin & body protection : Recommended: Normal chemical work clothing (Long-sleeved clothing, safety shoes) If spilling are likely to occur, wear: Coverall, chemical splash goggles, face shield. In case of high-temperature processing wear: Heat resistant clothing and footwear. General hygiene measures : Ensure that eyewash stations and safety showers are close to the workstation location. When using, do NOT eat, drink or smoke. Additional information : Wash hands before breaks and at the end of workday. Handle in accordance with good industrial hygiene and safety practice. Regularly clean equipment, work area and clothing. Do not breathe fumes evolved from hot lubricant materials. These precautions are for room temperature handling. Use at elevated temperatures or conditions that generate fine particles may require additional precautions.

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Section 9: Physical and Chemical Properties

Appearance	White to tan powder		
Odor	N/A		
Odor Threshold	Not available.		
Melting Point	Not available.	pH	Not available.
Freezing Point	245C	Vapor Pressure	Not available.
Boiling Point/Range	Not available.	Vapor Density	Not available.
Decomposition temperature	> 250°C (>482°F)	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)	Insoluble		
Other	Not available.		

Section 10: Stability and Reactivity

Reactivity	No dangerous reactions known under conditions of normal use
Chemical Stability	Stable under recommended storage conditions. Contact with some metals lowers decomposition temperature
Hazardous Polymerization	Hazardous polymerization will not occur. No dangerous reaction known under conditions of normal use
Conditions to Avoid	Avoid use in presence of high voltage electric arc and in absence of oxygen. Keep away from heat, flames & sparks. To avoid thermal decomposition, keep at temperatures below: 250°C (>482°F). Stable under normal conditions. High temperatures can produce irritating and toxic fumes.
Incompatible Materials	Combustible material, Flammable materials, non-aqueous alkalis, molten alkali metals. Strong oxidizers, strong acids and bases, caustic material. Finely divided aluminium, Ammonium salts, Amines, Acids
Hazardous Decomposition Products	Under combustion or decomposition conditions: Carbon oxides and other hydrocarbon combustion compounds. Tetrafluoroethylene, hexafluoropropene, perfluoroisobutene. Nitrogen oxides.

Section 11: Toxicological Information**RTECS** N/A**Acute Toxicity**

Inhalation: This product cannot normally be inhaled. However, exposure to decomposition products may harm health, and some serious effects may be delayed following exposure. Ingestion: May be harmful if swallowed. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea. Skin contact: May cause skin irritation or dermatitis. Eye contact: May cause eye irritation.

Acute Toxicity Measurements: Not Available Other Information: This material is a fine powder, and there is almost no risk of inhalation under normal conditions. However, thermal decomposition can lead to release of toxic and corrosive gases. Exposure to decomposition products can cause severe irritation of eyes, skin and mucous membranes.

Skin Corrosion/Irritation

No significant irritation. (Rabbit)

Serious Eye Damage/Irritation

No significant irritation. (Rabbit)

Respiratory or Skin Sensitization

Not a skin sensitizer.

Germ Cell Mutagenicity

Does not show mutagenic effects

Carcinogenicity

Not classifiable as a human carcinogen, according to current guidelines.

Reproductive Toxicity

Does not show reproductive or developmental effects.

Routes of Entry

Inhalation: Vapors from heated material may cause irritation of the respiratory system. Signs/symptoms may include cough, sneezing, nasal discharge, headache, hoarseness, and nose and throat pain. Ingestion: skin irritation or dermatitis. Skin contact: Contact with the skin during product use is not expected to result in significant irritation. Eye contact: Vapors from heated material may cause eye irritation. Signs/symptoms may include redness, swelling, pain, tearing

Symptoms Related to Exposure

N/A

Potential Health Effects

N/A

Target Organ(s)

No evidence of specific organ toxicity

Section 12: Ecological Information**Ecotoxicity**

N/A

Persistence and Degradability

N/A

Bioaccumulative Potential

N/A

Mobility in Soil

This product is not likely to move rapidly with surface or groundwater flows because of its low water solubility and high density. This product is not likely to volatilize rapidly into the air because of its low vapor pressure.

Other Adverse Effects

Germany water class (WGK): Class 1 - Slightly hazardous to water (German VwVwS legislation, May 1999) Ecological injuries are not known or expected under normal use

Section 13: Disposal Considerations**Waste Disposal**

Do not dump into any sewers, on the ground, or into any body of water. All disposal methods must be in compliance with all national, state/provincial and local laws and regulations. Regulations may vary in different locations. Waste characterizations and compliance with applicable laws and regulations are the responsibility of the waste generator. Allocation of a waste code number, according to the European Waste Catalogue, should be carried out in agreement with the regional waste disposal company.

Disposal of Container

Empty and clean contaminated packaging as much as possible. Do not burn or use a cutting torch on the empty drum. Empty containers can be taken to an approved waste handling site or landfilled, when in accordance with the local regulations. Packaging that cannot be cleaned should be disposed of in agreement with the regional waste disposal company.

Other Considerations

Disposal should be in accordance with applicable local, regional, national and international laws and regulations.

Section 14: Transport Information**DOT Classification**

No special transport requirements.

Section 15: Regulatory Information

Regulations

United States:29 CFR 1910.1200 (HCS 2012, USGHS) as amended. European Union:Regulation (EC) No 1272/2008 (EU CLP) as amended. Regulation (EC) No 1907/2006 (EU REACH) as amended. Directive 98/24/EC (Worker Health & Safety Regulations) as amended. European Waste Catalogue (Note: Waste codes should be assigned by the user based on the application) International Inventory Lists: Australia Inventory (AICS):Other than exceptions listed below, all ingredients listed, exempt or notified Canada Inventory (DSL/NDSL):Other than exceptions listed below, all ingredients listed, exempt or notified China Inventory (IECSC):Other than exceptions listed below, all ingredients listed or exempt. European Inventory (EINECS):Other than exceptions listed below, all ingredients listed, exempt or notified. (ELINCS) Korea Inventory (KECI):Other than exceptions listed below, all ingredients listed, exempt or notified. Japan Inventory (ENCS/ISHL):Other than exceptions listed below, all ingredients listed, exempt or notified. New Zealand Inventory (NZIoC):Other than exceptions listed below, all ingredients listed, exempt or notified. Philippines Inventory (PICCS):Other than exceptions listed below, all ingredients listed, exempt or notified. United States Inventory (TSCA 8b):Other than exceptions listed below, all ingredients listed, exempt or notified. European Regulations: REACH SVHC List, (EC) 1907/2006:This product does NOT contain REACH Substances of Very High Concern (17 Dec 2014 SVHC list). Major Accident Hazard Legislation:Directive 96/82/EC Update: 2003 does not apply. Water contaminating class (Germany):WGK 1 Slightly hazardous to waters North American Regulations: United States inventory (TSCA 8b):N/A CERCLA Hazardous substances:N/A US export notification (TSCA 12b):N/A Clean Air Act (CAA) 112 Accidental release prevention:No components were found. Regulated flammable substances:No components were found. Regulated toxic substances:No components were found. Hazardous air pollutants (HAPs): Not listed. SARA 302/304/311/312 302 Extremely hazardous substances:N/A 311 / 312 Emergency planning and notification:N/A SARA 313 Form R Reporting Requirements:N/A Components on US State Right-to-Know Disclosure Lists: N/A

Other

N/A

Section 16: Other Information

N/A