

Section 1: Identification**Product Name** Betahistina Dihydrochloride**Commercial Name** Not available.**Product Use** N/A**Restrictions On Use** N/A**Product Code** 30-4260**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:** Skin Irrit. 2 Eye Irrit. 2
CFR 1910.1200**Signal Word** WARNING**Hazard Statement(s)** Causes skin irritation. Causes serious eye irritation.**Pictogram(s) or Symbol(s)****Precautionary Statement(s):****Prevention** Wash thoroughly after handling Wear eye protection/face protection. Wear protective gloves.
Response If eye irritation persists: Get medical advice/attention. If skin irritation occurs: Get medical advice/attention. Take off contaminated clothing and wash before reuse. The product can support combustion. The ignition of dust in certain conditions can cause an explosion. Dust may be sensitive to electrostatic ignition sources. In case of fire, may emit toxic fumes (oxides of nitrogen, carbon).
This substance has no PBT, vPvB or endocrine disruption properties.**Storage** N/A**Disposal** N/A**Section 3: Composition/Information on Ingredients****Substance/Mixture** Substance**Components** N-metil-2-(piridin-2-il)etanammina bicloridrato**% By Weight** 100%**CAS#** 5579-84-0**Molecular Weight** 209.12 g/mole**Chemical Formula** C8-H12-N2.2HCl**Synonym(s)** Not available.**Mixtures**

Name	CAS#	% by Weight	TLV/PEL	LC50/LD50
Betahistine Dihydrate USP	5579-84-0	100		

Section 4: First-Aid Measures

Inhalation	Remove casualty to fresh air and keep warm and at rest.
Skin Contact	Area of the body that have - or are only even suspected of having - come into contact with the product must be rinsed immediately with plenty of running water and possibly with soap. Wash thoroughly the body (shower or bath). Remove contaminated clothing immediately and dispose off safely.
Eye Contact	After contact with the eyes, rinse with water with the eyelids open for a sufficient length of time, then consult an ophthalmologist immediately. Protect uninjured eye.
Ingestion	Do not under any circumstances induce vomiting. OBTAIN A MEDICAL EXAMINATION IMMEDIATELY.
Symptoms/Effects	
Acute	N/A
Delayed	N/A

Immediate Medical Attention

In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).

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

Do not inhale explosion and combustion gases. Burning products: heavy smoke. Collect contaminated fire extinguishing water separately. This must not be discharged into drains. Move undamaged containers from immediate hazard area if it can be done safely.

Unsuitable Extinguishing Media

N/A

Products of Combustion

The substance evolves toxic fumes due to the presence of CO, CO₂, NO_x, HCl

Firefighters Special Equipment and Precautions

Use suitable breathing apparatus. Wear respirator, gloves, protective footwear. CAUTION: Pressurized containers may explode when exposed to fire. It's recommended the use of breathing apparatus and full protection for fire fighting, since the combustion of this substance may generate toxic fumes, corrosive and flammable. If possible, contain water used for fire fighting and collect for later disposal.

Section 6: Accidental Release Measures

6.1 Personal precautions, protective equipment and emergency procedures For non emergency personnel: Wear personal protection equipment. Remove person to safety. See protective measure under point 7 and 8. For emergency responders: Wear protection equipment. 6.2 Environmental precautions Circumscribe the area of the spill and prevent the staff will come into contact if not properly protected. Avoid flames, sparks, and prevent static buildup. Avoid generation of dust. Do not allow to enter into soil/subsoil. Do not allow to enter into surface water or drains. Retain contaminated washing water and dispose it. In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities. Suitable material for taking up: absorbing material, organic, sand. 6.3 Methods and material for containment and cleaning up Washing with plenty of water.

Section 7: Handling and Storage

7.1 Precautions for safe handling Avoid contact with skin and eyes, inhalation of vapours and mists. Don't use empty container before they have been cleared. Before making transfer operations, assure that there aren't any incompatible material residuals in the containers. See also section 8 for recommended protective equipment. Advice on general hygiene: Contaminated clothing should be changed before entering eating areas. Do not eat or drink while working. 7.2 Conditions for safe storage, including any incompatibilities Keep away from food, drink and feed. Incompatible materials: None in particular. Instructions as regards storage premises: Adequately ventilated premises. 7.3 Specific end use(s) None in particular.

Section 8: Exposure Controls/Personal Protection

Exposure Limits	Not available.
Engineering Controls	Keep away from foodstuffs, beverages and feed. Immediately remove all soiled and contaminated clothing. Wash hands before breaks and at the end of work. Avoid contact with skin, eyes and clothing.

Personal Protection

Eye/face protection: Tightly fitting safety goggles. Faceshield (8-inch minimum). Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU). Hand protection: Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands. The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it. Skin and body protection: The type of protective equipment (es. Tyvek suit) must be selected according to the concentration and amount of the dangerous substance at the specific workplace. Complete suit protecting against chemicals, flame retardant antistatic protective clothing. Respiratory protection: Where risk assessment shows air-purifying respirators are appropriate use a full-face particle respirator type N99 (US) or type P2 (EN 143) with cartridges P1 (inert substances) P2 (harmful substances) P3 (toxic substances). Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Section 9: Physical and Chemical Properties

Appearance	Solid		
Odor	Odorless		
Odor Threshold	N/A		
Melting Point	152-154°C	pH	N/A
Freezing Point	N/A	Vapor Pressure	Not available.
Boiling Point/Range	Not available.	Vapor Density	Not available.
Decomposition temperature	N/A	Viscosity	Not available.
Partition Coefficient: n-octanol/water	N/A	Evaporation Rate	N/A
Flash Point	Not available.	Autoignition temperature	N/A
Flammability	N/A	Flammability or Explosive Limits:	
		Lower	N/A
		Upper	N/A
Solubility(ies)	Not available.		
Other	N/A		

Section 10: Stability and Reactivity

Reactivity	Stable under normal conditions
Chemical Stability	Stable under normal conditions
Hazardous Polymerization	Not defined/Not available
Conditions to Avoid	Stable under normal conditions
Incompatible Materials	Strong oxidising agents. metals, strong acids
Hazardous Decomposition Products	None

Section 11: Toxicological Information
RTECS UT2969000

Acute Toxicity

Test: LD50 - Route: Oral - Species: Rat 3000 mg/kg

Skin Corrosion/Irritation

The product is classified: Skin Irrit. 2 H315

Serious Eye Damage/Irritation

The product is classified: Eye Irrit. 2 H319

Respiratory or Skin Sensitization

Not classified. Based on available data, the classification criteria are not met

Germ Cell Mutagenicity

Not classified. Based on available data, the classification criteria are not met

Carcinogenicity

Not classified. Based on available data, the classification criteria are not met

Reproductive Toxicity

Not classified. Based on available data, the classification criteria are not met

Routes of Entry

Not available.

Symptoms Related to Exposure

Not classified. Based on available data, the classification criteria are not met

Potential Health Effects

Endocrine disrupting properties: This substance has no endocrine disrupting properties

Target Organ(s) Not classified. Based on available data, the classification criteria are not met

Section 12: Ecological Information**Ecotoxicity**

Adopt good working practices, so that the product is not released into the environment. Not classified for environmental hazards:
Based on available data, the classification criteria are not met.

Persistence and Degradability

N/A

Bioaccumulative Potential

N/A

Mobility in Soil

N/A

Other Adverse Effects

12.5 Results of PBT and vPvB assessment: vPvB Substances: Not classified - PBT Substances: Not classified 12.6 Endocrine disrupting properties: No endocrine disruptor substances present in concentration $\geq 0.1\%$

Section 13: Disposal Considerations**Waste Disposal**

Waste treatment methods: Recover if possible. In so doing, comply with the local and national regulations currently in force.

Disposal of Container

N/A

Other Considerations

N/A

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**

SECTION 15: Regulatory information 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture Dir. 98/24/EC (Risks related to chemical agents at work) Dir. 2000/39/EC (Occupational exposure limit values) Regulation (EC) n. 1907/2006 (REACH) Regulation (EC) n. 1272/2008 (CLP) Regulation (EC) n. 790/2009 (ATP 1 CLP) and (EU) n. 758/2013 Regulation (EU) n. 2020/878 Regulation (EU) n. 286/2011 (ATP 2 CLP) Regulation (EU) n. 618/2012 (ATP 3 CLP) Regulation (EU) n. 487/2013 (ATP 4 CLP) Regulation (EU) n. 944/2013 (ATP 5 CLP) Regulation (EU) n. 605/2014 (ATP 6 CLP) Regulation (EU) n. 2015/1221 (ATP 7 CLP) Regulation (EU) n. 2016/918 (ATP 8 CLP) Regulation (EU) n. 2016/1179 (ATP 9 CLP) Regulation (EU) n. 2017/776 (ATP 10 CLP) Regulation (EU) n. 2018/669 (ATP 11 CLP) Regulation (EU) n. 2018/1480 (ATP 13 CLP) Regulation (EU) n. 2019/521 (ATP 12 CLP) Regulation (EU) n. 2020/217 (ATP 14 CLP) Regulation (EU) n. 2020/1182 (ATP 15 CLP) Regulation (EU) n. 2021/643 (ATP 16 CLP) Regulation (EU) n. 2021/849 (ATP 17 CLP) Regulation (EU) n. 2022/692 (ATP 18 CLP) Restrictions related to the product or the substances contained according to Annex XVII Regulation (EC) 1907/2006 (REACH) and subsequent modifications: Restrictions related to the product: No restriction. Restrictions related to the substances contained: No restriction. Where applicable, refer to the following regulatory provisions: Directive 2012/18/EU (Seveso III) Regulation (EC) nr. 648/2004 (detergents). WGK Classification (Water hazard class – Verwaltungsvorschrift wassergefährdende Stoffe) Dir. 2004/42/EC (VOC directive) Provisions related to directive EU 2012/18 (Seveso III): Not available 15.2. Chemical safety assessment No Chemical Safety Assessment has been carried out for the substance.

Other

N/A

Section 16: Other Information



Safety Data Sheet

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

Betahistina Dihydrochloride

30-4260

This information is based on current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not be therefore be construed as guaranteeing any specific property of the product. It is the duty of the user to ensure that this information is appropriate and complete with respect to the specific use intended. This MSDS cancels and replaces any preceding release.