

Section 1: Identification

Product Name Albuterol Sulfate USP
Commercial Name Not available.
Product Use Not available.
Restrictions On Use Not available.

Product Code 55-1573

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 Tox. 4 (Inhalation) Acute Tox. 4 (Oral)
CFR 1910.1200

Signal Word WARNING

Hazard Statement(s) Harmful if swallowed. Harmful if inhaled.

Pictogram(s) or Symbol(s)



Precautionary Statement(s):

Prevention P261 Avoid breathing dust/fume/gas/mist/vapours/spray. P264 Wash hands and other exposed areas thoroughly after handling

Response P301 + P312 IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell. P304 + P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. P312 Call a POISON CENTER or doctor/physician if you feel unwell. P330 Rinse mouth.

Storage Not available.

Disposal P501 Dispose of contents/container to: Hazardous waste. Comply with applicable regulations.

Section 3: Composition/Information on Ingredients

Substance/Mixture Substance
Components Albuterol sulfate
% By Weight 100
CAS# 51022-70-9
Molecular Weight 576.71 g/mole
Chemical Formula C26H44N2O10N2S
Synonym(s) SALBUTAMOL SULFATE

Mixtures

Name	CAS#	% by Weight	TLV/PEL	LC50/LD50
Albuterol sulfate	51022-70-9	100	Not available.	Not available.

Section 4: First-Aid Measures

Inhalation	Allow victim to rest in a well ventilated area. Seek immediate medical attention. Serious Inhalation : May get shivering for long time, vomiting etc.
Skin Contact	After contact with skin, wash immediately with plenty of water. Gently and thoroughly wash the contaminated skin with running water and non-abrasive soap. Be particularly careful to clean folds, crevices, creases and groin. Cold water may be used. Cover the irritated skin with an emollient. If irritation persists, seek medical attention. Wash contaminated clothing before reusing.
Eye Contact	Check for and remove any contact lenses. Immediately flush eyes with runningwater for at least 15 minutes,Keeping eyelids open. Cold water may be used. Do not use an eye ointment. Seek medical attention. /
Ingestion	Do not induce vomiting. Examine the lips and mouth to ascertain whether the tissues are damaged, a possible indication that the toxic material was ingested; the absence of such signs, however, is not conclusive. Loosen tight clothing such as a collar, tie, belt or waistband. If the victim is not breathing, perform mouth- to-mouth resuscitation. Seek immediate medical attention.
Symptoms/Effects	
Acute	Not available.
Delayed	Not available.
Immediate Medical Attention	Not available.

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

May be combustible at high temperature. SMALL FIRE: Use DRY chemical powder. LARGE FIRE: Use water spray, fog or foam.

Unsuitable Extinguishing Media

Do not use waterjet

Products of Combustion

These products are carbon oxides (CO, CO₂), nitrogen oxides (NO, NO₂...).

Firefighters Special Equipment and Precautions

Not available.

Section 6: Accidental Release Measures

Small Spill: Use appropriate tools to put the spilled solid in a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and dispose of according to local and regional authority requirements. Large Spill: Use a shovel to put the material into a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and allow to evacuate through the sanitary system.

Section 7: Handling and Storage

Precautions: Keep away from heat. Keep away from sources of ignition. Empty containers pose a fire risk, evaporate the residue under a fume hood. Ground all equipment containing material. Do not ingest. Do not breathe dust. Wear suitable protective clothing If ingested, seek medical advice immediately and show the container or the label when possible. Avoid contact with skin and eyes. Storage: Store protected from light at ambient temperature. Humidity: Below 80%.

Section 8: Exposure Controls/Personal Protection

Exposure Limits	Not available.
Engineering Controls	Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. If user operations generate dust, fume or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.
Personal Protection	Safety glasses. Lab coat. Personal Protection in case of a Large Spill: Splash goggles. Full suit. Boots. Gloves. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.

Section 9: Physical and Chemical Properties

Appearance	Solid.		
Odor	Odorless.		
Odor Threshold	Not available.		
Melting Point	Not available.	pH	4 to 6
Freezing Point	Not available.	Vapor Pressure	Not applicable.
Boiling Point/Range	Not available.	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)	Soluble in water		
Other	Not available.		

Section 10: Stability and Reactivity

Reactivity	Not available.
Chemical Stability	The product is Stable.
Hazardous Polymerization	Corrosivity: Non-corrosive in presence of glass. Polymerization: Will not occur.
Conditions to Avoid	Not available.
Incompatible Materials	Not available.
Hazardous Decomposition Products	Not available.

Section 11: Toxicological Information

RTECS Not available.

Acute Toxicity

Toxicity to Animals: Rat LD50 - ROUTE: Intraperitoneal; DOSE: 295 mg/kg TOXIC EFFECTS: Sense Organs and Special Senses (Nose, Eye, Ear, and Taste) - Lacrimation. Lung, Thorax, or Respiration - Respiratory depression. LD50 - ROUTE: Intravenous; DOSE: 59100 pg/kg TOXIC EFFECTS: Behavioral - Altered sleep time (including change in righting reflex). Lung, Thorax, or Respiration - Respiratory depression. LD50 -ROUTE: Oral; DOSE: >2500 mg/kg. LD50 -ROUTE: Subcutaneous; DOSE: >2500 mg/kg TOXIC EFFECTS: Lung, Thorax, or Respiration - Other changes. Skin and Appendages - Hair. Mouse LD50 - ROUTE: Intraperitoneal; DOSE: 200 mg/kg. LD50 - ROUTE: Intravenous; DOSE: 48700 pg/kg TOXIC EFFECTS: Behavioral - Altered sleep time (including change in righting reflex). Lung, Thorax, or Respiration - Respiratory depression. LD50 -ROUTE: Oral; DOSE: 1950 mg/kg. LD50 -ROUTE: Subcutaneous; DOSE: 737 mg/kg TOXIC EFFECTS: Sense Organs and Special Senses (Nose, Eye, Ear, and Taste) - Lacrimation. Behavioral - Convulsions or effect on seizure threshold.

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

TDLo - ROUTE: Oral; DOSE: 1 gm/kg; DURATION: female ID prior to mating TOXIC EFFECTS: Maternal Effects - Uterus, cervix, vagina.

Routes of Entry

Eye contact. Inhalation. Ingestion.

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

Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.

Mobility in Soil

Not available.

Other Adverse Effects

Not available.

Section 13: Disposal Considerations**Waste Disposal**

As per local regulation/norms to be followed. Direct disposal is prohibited.

Disposal of Container

Not available.

Other Considerations

Not available.

Section 14: Transport Information**DOT Classification**

DOT Classification: Not a DOT controlled material (United States). UN number : UN1950 UN proper shipping name: Aerosols, non-flammable Transport hazard class(es) Class: 2.2 Subsidiary risk: - Label(s): 2.2 Packing group: Not applicable. Special precautions for user: Not available. Packaging exceptions: 306 Packaging non bulk: None Packaging bulk: None IATA UN number: UN 1950 UN proper shipping name: Aerosols, non-flammable Transport hazard class(es): 2.2 Subsidiary class(es): - Packaging group: Not available. Environmental hazards: No. Labels required: 2.2 ERG Code: 2L Special precautions for user :Not available. Other information Cargo aircraft only: Allowed. Passenger & cargo: Allowed. IMDG UN number: UN 1950 UN proper shipping name: AEROSOLS, asphyxiant Transport hazard class(es) Class: 2 Subsidiary risk: 5 A

Section 15: Regulatory Information**Regulations**

Federal and State Regulations: TSCA 8(b) inventory: Salbutamol Sulphate Other Regulations: Other Classifications: WHMIS (Canada):Not controlled under WHMIS (Canada). DSCL (EEC): R36/38- Irritating to eyes and skin. HMIS (U.S.A.): Health Hazard: 2 Fire Hazard: 1 Reactivity: 0 Personal Protection: E National Fire Protection Association (U.S.A.): Health: 2 Flammability: 1 Reactivity: 0 Specific hazard: Protective Equipment: Gloves. Lab coat. Dust respirator. Be sure to use an approved/certified respirator or Equivalent.Wear appropriate respirator when ventilation is inadequate. Safety glasses.

Other

WHMIS Not controlled under WHMIS (Canada). (Canada);DSCL (EEC) This product is not classified according to the EU regulations.;Lab coat.;Safety glasses.



Safety Data Sheet

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

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Section 16: Other Information

Information contained in this Material Safety Data Sheet is believed to be true and correct. However accuracy and completeness of this information are made without any warranty or guarantee. Since the conditions of usage are beyond control of our company, it is a responsibility of the user to determine the condition of usage of this preparation.