

MSDS - Material Safety Data Sheet**Product Name: Albuterol Sulfate Inhalation Solution, 0.5%**

MSDS No.: 741

I. Basic Information:

Manufacturer: Hi-Tech Pharmacal Co., Inc

Address: 369 Bayview Avenue

City, ST Zip: Amityville, NY 11701

Emergency Contact:

Emergency Telephone Number: 631-789-8228

Contact: Jesse Kirsh, QA Director

Information Telephone Number: 631-789-8228

Last Update: 11/03/2003

Chemical State: Liquid Gas SolidChemical Type: Pure Mixture

0	Health
2	Flammability
0	Reactivity
B	Pers. Protection

II. Ingredients: Trade Secret

CAS No.	Chemical Name	% Range	EHS		IARC		SARA		OSHA PEL	ACGIH TLV	Other Limits
			NTP		SUB Z	313					
51022-70-9	Albuterol Sulfate										
8001-54-5	Benzalkonium Chloride										

III. Hazardous Identification:

Hazard Category:

 Acute Chronic Fire Pressure Reactive

Hazardous Identification Information:

None

IV. First Aid Measures:

Route(s) of Entry:

Ingestion, Inhalation and skin contact

Health Hazards (Acute and Chronic):

Material is a liquid drug dosage form intended for human use.

Always follow prudent laboratory practices. Consult the package insert for further information.

OVERDOSAGE: Manifestations of overdosage may include anginal pain, hypertension, hypokalemia, and exaggeration of the pharmacological effects listed in ADVERSE REACTIONS.

Use only as directed.

Signs and Symptoms:

Solution is intended for human use under the guidance of a physician. Solution is not considered hazardous under normal conditions.

Medical Conditions Generally Aggravated by Exposure:

No special precautions. Pick up in the most efficient manner.

Soak up with sawdust, sand, oil dry or other absorbent material.

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Emergency and First Aid Procedures:

Eye: Hold eyelids open and flush with steady stream of water for 15 minutes. See an eye doctor or physician immediately.

Skin: Remove contaminated clothing and clean before reuse. Wash all exposed areas of the skin with plenty of soap and water. If irritation develops get medical attention.

Inhalation: Move individual to fresh air. Get medical attention if breathing difficulty occurs.

Ingestion: Call a physician or poison control center if over dosing has occurred.

Other Health Warnings:

Albuterol, as all sympathomimetic amines, should be used with caution in patients with cardiovascular disorders, especially coronary insufficiency, cardiac arrhythmias and hypertension, in patients with convulsive disorders, hyperthyroidism or diabetes mellitus, and in patients who are unusually responsive to sympathomimetic amines.

Information For Patients: The action of Albuterol Sulfate Inhalation Solution may last up to 6 hours and therefore it should not be used more frequently than recommended. Do not increase the dose or frequency of medication without medical consultation. If symptoms get worse, medical consultation should be sought promptly. While taking Albuterol Sulfate Inhalation Solution, other anti-asthma medicines should not be used unless prescribed.

See illustrated "Patient's Instructions for Use."

V. Fire Fighting Measures:

Flash Point: >150 F

Lower Explosive Limit: N/A

Upper Explosive Limit: N/A

F.P. Method: Tag closed

Fire Extinguishing Media: Use water, carbon dioxide, dry chemical or foam as necessary.

Special Fire Fighting Procedures:

With small quantities use carbon dioxide extinguisher.

For large fires use ample quantities of water with dry chemicals or foam as necessary.

Unusual Fire and Explosion:

VI. Accidental Release Measures:

Steps to be Taken in Case Material is Released or Spilled:

No special precautions. Pick up in the most efficient manner.
Soak up with sawdust, sand, oil dry or other absorbent material.

VII. Handling and Storage:

Precautions to be Taken:

Keep container tightly closed.
Store between 36 - 77 F.

Other Precautions:

VIII. Exposure Controls/Personal Protection:

Ventilation Requirements:

Under normal use and handling no protective equipment is required.

Personal Protective Equipment:

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Under normal use and handling no protective equipment is required.

Protective Gloves: Recommended

Eye Protection: Splash proof safety Glasses

IX. Physical and Chemical Properties:**Boiling Point:** N/A**Melting Point:** N/A**Evaporation Rate (Butyl Acetate = 1):** Same as water**Vapor Pressure (mm Hg.):** N/A**Specific Gravity (H₂O = 1):** 1.00000**Vapor Density (AIR = 1):** >1**Solubility In Water:** Soluble**Appearance and Odor:** Clear, colorless to light yellow liquid.**Other Information:** Use only as directed.**X. Stability and Reactivity:****Stability:**Stable at normal temperature conditions.
Avoid sources of ignition**Incompatibility (Materials to Avoid):**

Strong oxidizer

Decomposition/By Products:

Does not undergo explosive decomposition

Hazardous Polymerization:

Will not occur

XI. Toxicological Information:

If desired see package insert for detailed information.

XII. Ecological Information:

N/A

XIII. Disposal Considerations:

Treatment, storage, transportation, and disposal must be in accordance with applicable Federal, State / Provincial and Local Regulations.

XIV. Transport Information:

The known properties of this material do not constitute a hazard as defined by the U.S. Department of Transportation.

XV. Regulatory Information:

N/A

XVI. Other Information:

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To the best of our knowledge the information contained herein is accurate as of the date hereof. Any determination as to the suitability of the product for any particular purpose, its safe use or disposal, shall be the responsibility of the user. The information contained herein is in no way intended to supplement, modify, or supercede the information provided in the package insert with respect to the product for medical purposes. Please refer to the product insert or label for information regarding the use of the product for medical purposes. We reserve the right to revise the Material Safety Data Sheets periodically as new information becomes available.