Safety Data Sheet

1. PRODUCT AND COMPANY IDENTIFICATION

1.1 Product identifier
   - Product name: Moxisylyte (hydrochloride)
   - Catalog No.: HY-B1435
   - CAS No.: 964-52-3

1.2 Relevant identified uses of the substance or mixture and uses advised against
   - Identified uses: Laboratory chemicals, manufacture of substances.

1.3 Details of the supplier of the safety data sheet
   - Company: MedChemExpress USA
   - Tel: 609-228-6898
   - Fax: 609-228-5909
   - E-mail: sales@medchemexpress.com

1.4 Emergency telephone number
   - Emergency Phone #: 609-228-6898

2. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture
   - GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)
     - Acute toxicity, Oral (Category 4), H302
     - Acute toxicity, Inhalation (Category 4), H332
     - Acute toxicity, Dermal (Category 4), H312

2.2 GHS Label elements, including precautionary statements

   Pictogram

   Signal word  Warning
   Hazard statement(s)
   H302 + H312 + H332 Harmful if swallowed, in contact with skin or if inhaled
   Precautionary statement(s)
   P261 Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray.
   P264 Wash skin thoroughly after handling.
   P270 Do not eat, drink or smoke when using this product.
   P271 Use only outdoors or in a well-ventilated area.
   P280 Wear protective gloves/ protective clothing.
   P301 + P312 IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell.
P302 + P352 IF ON SKIN: Wash with plenty of soap and water. 
P304 + P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. 
P312 Call a POISON CENTER/doctor if you feel unwell. 
P322 Specific measures (see supplemental first aid instructions on this label). 
P330 Rinse mouth. 
P363 Wash contaminated clothing before reuse. 
P501 Dispose of contents/ container to an approved waste disposal plant. 

2.3 Other hazards 
None. 

3. COMPOSITION/INFORMATION ON INGREDIENTS 

3.1 Substances 

Synonyms: Thymoxamine hydrochloride 
Formula: C16H26ClNO3 
Molecular Weight: 315.84 
CAS No.: 964-52-3 

4. FIRST AID MEASURES 

4.1 Description of first aid measures 

Eye contact 
Remove any contact lenses, locate eye-wash station, and flush eyes immediately with large amounts of water. Separate eyelids with fingers to ensure adequate flushing. Promptly call a physician. 

Skin contact 
Rinse skin thoroughly with large amounts of water. Remove contaminated clothing and shoes and call a physician. 

Inhalation 
Immediately relocate self or casualty to fresh air. If breathing is difficult, give cardiopulmonary resuscitation (CPR). Avoid mouth-to-mouth resuscitation. 

Ingestion 
Wash out mouth with water; Do NOT induce vomiting; call a physician. 

4.2 Most important symptoms and effects, both acute and delayed 

The most important known symptoms and effects are described in the labelling (see section 2.2). 

4.3 Indication of any immediate medical attention and special treatment needed 

Treat symptomatically. 

5. FIRE FIGHTING MEASURES 

5.1 Extinguishing media 

Suitable extinguishing media 
Use water spray, dry chemical, foam, and carbon dioxide fire extinguisher. 

5.2 Special hazards arising from the substance or mixture 

During combustion, may emit irritant fumes. 

5.3 Advice for firefighters 

Wear self-contained breathing apparatus and protective clothing. 

6. ACCIDENTAL RELEASE MEASURES 

6.1 Personal precautions, protective equipment and emergency procedures
Use full personal protective equipment. Avoid breathing vapors, mist, dust or gas. Ensure adequate ventilation. Evacuate personnel to safe areas.

Refer to protective measures listed in sections 8.

6.2 Environmental precautions

Try to prevent further leakage or spillage. Keep the product away from drains or water courses.

6.3 Methods and materials for containment and cleaning up

Absorb solutions with finely-powdered liquid-binding material (diatomite, universal binders); Decontaminate surfaces and equipment by scrubbing with alcohol; Dispose of contaminated material according to Section 13.

7. HANDLING AND STORAGE

7.1 Precautions for safe handling

Avoid inhalation, contact with eyes and skin. Avoid dust and aerosol formation. Use only in areas with appropriate exhaust ventilation.

7.2 Conditions for safe storage, including any incompatibilities

Keep container tightly sealed in cool, well-ventilated area. Keep away from direct sunlight and sources of ignition.

Recommended storage temperature:  
- Powder -20°C 3 years  
- 4°C 2 years  
- In solvent -80°C 6 months  
- -20°C 1 month

Shipping at room temperature if less than 2 weeks.

7.3 Specific end use(s)

No data available.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

Components with workplace control parameters

This product contains no substances with occupational exposure limit values.

8.2 Exposure controls

Engineering controls

Ensure adequate ventilation. Provide accessible safety shower and eye wash station.

Personal protective equipment

- Eye protection Safety goggles with side-shields.
- Hand protection Protective gloves.
- Skin and body protection Impervious clothing.
- Respiratory protection Suitable respirator.
- Environmental exposure controls Keep the product away from drains, water courses or the soil. Clean spillages in a safe way as soon as possible.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

- Appearance White to off-white (Solid)
- Odor No data available
- Odor threshold No data available
- pH No data available
- Melting/freezing point No data available
Boiling point/range
Flash point
Evaporation rate
Flammability (solid, gas)
Upper/lower flammability or explosive limits
Vapor pressure
Vapor density
Relative density
Water Solubility
Partition coefficient
Auto-ignition temperature
Decomposition temperature
Viscosity
Explosive properties
Oxidizing properties
9.2 Other safety information
   No data available.

10. STABILITY AND REACTIVITY
10.1 Reactivity
   No data available.
10.2 Chemical stability
   Stable under recommended storage conditions.
10.3 Possibility of hazardous reactions
   No data available.
10.4 Conditions to avoid
   No data available.
10.5 Incompatible materials
   Strong acids/alkalis, strong oxidising/reducing agents.
10.6 Hazardous decomposition products
   Under fire conditions, may decompose and emit toxic fumes.
   Other decomposition products - no data available.

11. TOXICOLOGICAL INFORMATION
11.1 Information on toxicological effects
   Acute toxicity
   Classified based on available data. For more details, see section 2
   Skin corrosion/irritation
   Classified based on available data. For more details, see section 2
   Serious eye damage/irritation
   Classified based on available data. For more details, see section 2
   Respiratory or skin sensitization
   Classified based on available data. For more details, see section 2
   Germ cell mutagenicity
Carcinogenicity
IARC: No component of this product present at a level equal to or greater than 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.
ACGIH: No component of this product present at a level equal to or greater than 0.1% is identified as a potential or confirmed carcinogen by ACGIH.
NTP: No component of this product present at a level equal to or greater than 0.1% is identified as a anticipated or confirmed carcinogen by NTP.
OSHA: No component of this product present at a level equal to or greater than 0.1% is identified as a potential or confirmed carcinogen by OSHA.

Reproductive toxicity
Classified based on available data. For more details, see section 2

Specific target organ toxicity - single exposure
Classified based on available data. For more details, see section 2

Specific target organ toxicity - repeated exposure
Classified based on available data. For more details, see section 2

Aspiration hazard
Classified based on available data. For more details, see section 2

Additional information
RTECS No.: FI1600000
Nausea, Diarrhoea, Headache
This information is based on our current knowledge. However the chemical, physical, and toxicological properties have not been completely investigated.

12. ECOLOGICAL INFORMATION

12.1 Toxicity
No data available.

12.2 Persistence and degradability
No data available.

12.3 Bioaccumulative potential
No data available.

12.4 Mobility in soil
No data available.

12.5 Results of PBT and vPvB assessment
PBT/vPvB assessment unavailable as chemical safety assessment not required or not conducted.

12.6 Other adverse effects
No data available.

13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Product
Dispose substance in accordance with prevailing country, federal, state and local regulations.

Contaminated packaging
Conduct recycling or disposal in accordance with prevailing country, federal, state and local regulations.
14. TRANSPORT INFORMATION

DOT (US)
This substance is considered to be non-hazardous for transport.

IMDG
This substance is considered to be non-hazardous for transport.

IATA
This substance is considered to be non-hazardous for transport.

15. REGULATORY INFORMATION

SARA 302 Components
No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 313 Components
This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

SARA 311/312 Hazards
Acute Health Hazard, Chronic Health Hazard

16. OTHER INFORMATION

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