

Section 1. Product and Company Identification

**Product Name** Methyl-d3-Amine Hydrochloride  
**CAS Number** 7436-22-8

**Parchem - fine & specialty chemicals**

**415 Huguenot Street**

**New Rochelle, NY 10801**

**(914) 654-6800** **(914) 654-6899**

**parchem.com**

**info@parchem.com**

EMERGENCY RESPONSE NUMBER  
CHEMTEL

Toll Free US & Canada: 1 (800) 255-3924

All other Origins: 1 (813) 248-0585

Collect Calls Accepted

Section 2. Hazards Identification

**Classification of the substance or mixture**

Skin irritation (Category 2), H315

Eye irritation (Category 2A), H319

Specific target organ toxicity - single exposure (Category 3), Respiratory system, H335

**GHS Label Elements**

**Pictograms:**



**Signal word:** WARNING

**Hazard and precautionary statements**

**Hazard Statements**

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H335 May cause respiratory irritation.

**Precautionary Statements**

P261 Avoid breathing dust/fume/gas/mist/vapor/spray.

P264 Wash skin thoroughly after handling.

P271 Use only outdoors or in a well-ventilated area.

P280 Wear protective gloves/eye protection/face protection.

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.

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact



lenses, if present and easy to do. Continue rinsing.  
P312 Call a POISON CENTER or doctor/ physician if you feel unwell.  
P321 Specific treatment (see supplemental first aid instructions on this label).  
P332 + P313 If skin irritation occurs: Get medical advice/ attention.  
P337 + P313 If eye irritation persists: Get medical advice/ attention.  
P362 Take off contaminated clothing and wash before reuse.  
P403 + P233 Store in a well-ventilated place. Keep container tightly closed.  
P405 Store locked up.  
P501 Dispose of contents/ container to an approved waste disposal plant.

### Precautionary statements

Keep away from heat/sparks/open flames/hot surfaces. - No smoking  
Avoid breathing dust/fume/gas/mist/vapors/spray.  
Use only outdoors or in a well-ventilated area.  
Wear protective gloves/protective clothing/eye protection/face protection.  
Use personal protective equipment as required.  
IF IN EYES: Rinse cautiously with water for several minutes.  
Remove contact lenses, if present and easy to do. Continue rinsing.  
Specific treatment (see on this label).  
Take off contaminated clothing and wash before reuse.  
IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.  
IF exposed or concerned: Get medical advice/attention.  
If skin irritation occurs: Get medical advice/attention.  
Store locked up.  
Store in a well-ventilated place. Keep container tightly closed.  
Store in a well-ventilated place. Keep cool.  
Dispose of contents/container in accordance with local/regional/national/international regulations.

### Classification system

#### NFPA Ratings

**Health:** 0

**Flammability:** 1

**Reactivity:** 0

#### HMIS Ratings

**Health:** 0

**Flammability:** 1

**Reactivity:** 0

### Section 3. Composition / Information on Ingredients

<b>Common Name</b>	Methyl-d3-Amine Hydrochloride
<b>Synonym(s)</b>	Deuterated methylamine hydrochloride
<b>CAS Number</b>	7436-22-8



#### Section 4. First Aid Measures

##### Description of first-aid measures

**Inhalation:** In case of unconsciousness, place patient securely in side position for transportation.

**Skin contact:** Immediately wash with water and soap and rinse thoroughly.

**Eye contact:** Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

**Ingestion:** Give large amounts of water. If symptoms persist consult doctor.

##### Information for doctor

**Most important symptoms and effects, both acute and delayed:** No further relevant information available.

**Indication of any immediate medical attention and special treatment needed:** No further relevant information available.

#### Section 5. Firefighting Measures

##### Extinguishing media

**Suitable extinguishing agents:** CO<sub>2</sub>, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

**Special hazards arising from the substance or mixture:** No further relevant information available.

##### Advice for firefighters

**Protective equipment:** No special measures required.

#### Section 6. Accidental Release Measures

**Personal precautions, protective equipment, and emergency procedures:** Not required

**Environmental precautions:** Do not allow to enter sewers/ surface or ground water.

**Methods and material for containment and cleaning up:** Sweep up, place in bag and hold for waste disposal. Avoid raising dust. Ventilate and wash spill site after material pickup is complete. Dispose contaminated material as waste according to section 13.

##### Reference to other sections

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

## Section 7. Handling and Storage

### Handling:

**Precautions for safe handling:** Open and handle receptacle with care.

**Information about protection against explosions and fires:** Keep protective respiratory device available.

### Conditions for safe storage, including any incompatibilities

**Requirements to be met by storerooms and receptacles:** No special requirements.

**Information about storage in one common storage facility:** Not required.

**Further information about storage conditions:** Keep receptacle tightly sealed.

## Section 8. Exposure Controls / Personal Protection

**Additional information about design of technical systems:** No further data; see section 7.

**Control parameters:** Not determined.

**Additional information:** The lists that were valid during the creation were used as basis.

### Exposure controls

#### Personal protective equipment

**General protective and hygienic measures:** Keep away from foodstuffs, beverages and feed. Immediately remove all soiled and contaminated clothing. Wash hands before breaks and at the end of work. Store protective clothing separately. Avoid contact with the eyes and skin.

**Breathing equipment:** In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure, use respiratory protective device that is independent of circulating air.

**Protection of hands:** Protective gloves. The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture. Select glove material based on penetration times, rates of diffusion and degradation.

**Material of gloves:** The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer.

**Penetration time of glove material:** The exact break-through time has to be determined and observed by the manufacturer of the protective gloves.

**Eye protection:** Tightly sealed goggles.

## Section 9. Physical and Chemical Properties

**Appearance:** Solid

**Odor:** Not Determined

**Odor threshold:** Not Determined

**pH:** Not Determined

**Melting point/Melting range:** 232 - 234°C (450 - 453°F) - lit.

**Boiling point/Boiling range:** Not Determined  
**Flash point:** Not Determined  
**Flammability (solid, gaseous):** Not applicable.  
**Ignition temperature:** Not Determined  
**Decomposition temperature:** Not determined.  
**Auto igniting:** Not determined.  
**Danger of explosion:** Not determined.  
**Explosion limits:** Not determined.  
**Vapor pressure (20°C):** Not determined.  
**Density (20°C):** Not determined.  
**Relative density:** Not determined.  
**Vapor density:** Not determined.  
**Evaporation rate:** Not determined.  
**Solubility in/Miscibility with Water:** Insoluble.  
**Partition coefficient (n-octanol/water):** Not determined.  
**Other information** No further relevant information available.

#### Section 10. Stability and Reactivity

**Reactivity:** No further relevant information available.

#### Chemical stability

**Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.

**Possibility of hazardous reactions:** No dangerous reactions known.

**Conditions to avoid:** No further relevant information available.

**Incompatible materials:** No further relevant information available.

**Hazardous decomposition products:** No dangerous decomposition products known.

#### Section 11. Toxicological Information

#### Information on toxicological effects

**Acute toxicity:** Not determined.

#### Primary irritant effect:

**on the skin:** Irritant to skin and mucous membranes.

**on the eye:** Irritating effect.

**Sensitization:** No sensitizing effects known.

#### Additional toxicological information

#### Carcinogenic categories

**IARC (International Agency for Research on Cancer):** Substance is not listed.

**NTP (National Toxicology Program):** Substance is not listed.

Section 12. Ecological Information

**Toxicity**

**Aquatic toxicity:** No further relevant information available.

**Persistence and degradability** No further relevant information available.

**Behavior in environmental systems**

**Bioaccumulative potential:** No further relevant information available.

**Mobility in soil:** No further relevant information available.

**Additional ecological information**

**General notes:** No further relevant information available.

**Results of PBT and vPvB assessment**

**PBT:** Not applicable.

**vPvB:** Not applicable.

**Other adverse effects:** No further relevant information available.

Section 13. Disposal Considerations

**Waste Treatment Methods:** Dispose of product and contaminated packaging in accordance with all local, state, and federal environmental control regulations.

Section 14. Transport Information

**US DOT:** Not Regulated

**ADR:** Not Regulated

**AND:** Not Regulated

**IMDG:** Not Regulated

**IATA:** Not Regulated

**Environmental hazards**

**Marine pollutant:** No.

**Special precautions for user:** Not applicable.

**Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code:** Not applicable.

**UN "Model Regulation":** Not applicable.



Section 15. Regulatory Information

**Safety, health, and environmental regulations/legislation specific for the substance or mixture**

**SARA**

**Section 355 (extremely hazardous substances):** Substance is not listed.

**Section 313 (Specific toxic chemical listings):** Substance is not listed.

**TSCA (Toxic Substances Control Act):** Substance is not listed.

**Proposition 65**

**Chemicals known to cause cancer:** Substance is not listed.

**Chemicals known to cause reproductive toxicity for females:** Substance is not listed.

**Chemicals known to cause reproductive toxicity for males:** Substance is not listed.

**Chemicals known to cause developmental toxicity:** Substance is not listed.

**Carcinogenic categories**

**EPA (Environmental Protection Agency)** Substance is not listed.

**TLV (Threshold Limit Value established by ACGIH)** Substance is not listed.

**NIOSH-Ca (National Institute for Occupational Safety and Health)** Substance is not listed.

**OSHA-Ca (Occupational Safety & Health Administration)** Substance is not listed.

**GHS label elements:** The substance is classified and labeled according to the Globally Harmonized System (GHS).

**National regulations:** Substance is not listed.

**State Right to Know** Substance is not listed.

**Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

Section 16. Other Information

**Disclaimer:** The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product.

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