

Revision Date: Apr.-17-2024  
Print Date: May.-1-2024

## 1. PRODUCT AND COMPANY IDENTIFICATION

### 1.1 Product identifier

Product name : Methoxyamine (hydrochloride)  
Catalog No. : HY-Y0958  
CAS No. : 593-56-6

### 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)

Corrosive to metals (Category 1),H290  
Acute toxicity, oral and acute toxicity dermal (Category 4),H302+H312  
Skin corrosion/irritation (Category 2),H315  
Sensitisation, skin (Category 1, 1A, 1B),H317  
Serious eye damage/eye irritation (Category 2A),H319  
Carcinogenicity (Category 2),H351  
Specific target organ toxicity, repeated exposure (Category 1),H372  
Hazardous to the aquatic environment, long-term hazard (Category 1),H410

### 2.2 GHS Label elements, including precautionary statements

Pictogram



Signal word Danger

Hazard statement(s)

H290 May be corrosive to metals

H302+H312 Harmful if swallowed or in contact with skin

H315 Causes skin irritation

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H317 May cause an allergic skin reaction  
H319 Causes serious eye irritation  
H351 Suspected of causing cancer  
H372 Causes damage to organs through prolonged or repeated exposure  
H410 Very toxic to aquatic life with long lasting effects  
Precautionary statement(s)

#### Prevention

P234 Keep only in original container.  
P260 Do not breathe dust/fume/gas/mist/vapours/spray.  
P261 Avoid breathing dust/fume/gas/mist/vapours/spray.  
P264 Wash hands thoroughly after handling  
P270 Do not eat, drink or smoke when using this product.  
P272 Contaminated work clothing should not be allowed out of the workplace.  
P273 Avoid release to the environment.  
P280 Wear protective gloves/protective clothing/eye protection/face protection.

#### Response

P302+P352 IF ON SKIN: Wash with plenty of soap and water.  
P321 Specific treatment (see on this label).  
P330 Rinse mouth.  
P362+P364 Take off contaminated clothing and wash it before reuse.  
P390 Absorb spillage to prevent material damage.  
P391 Collect spillage.

#### Storage

P405 Store locked up.  
P406 Store in corrosive resistant/container with a resistant inner liner.

#### Disposal

P501 Dispose of contents/container to in accordance with local regulation.

### 2.3 Other hazards

None.

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

### 3.1 Substances

Synonyms:	O-Methylhydroxylamine (hydrochloride)
Formula:	CH <sub>6</sub> ClNO
Molecular Weight:	83.52
CAS No. :	593-56-6

## 4. FIRST AID MEASURES

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#### 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

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

Recommended storage temperature: 4°C, sealed storage, away from moisture

\* In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture)

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	Solid
Odor	No data available
Odor threshold	No data available
pH	No data available
Melting/freezing point	151-154°C
Boiling point/range	105-110 °C at 760 mmHg
Flash point	No data available
Evaporation rate	No data available
Flammability (solid, gas)	No data available
Upper/lower flammability or explosive limits	No data available
Vapor pressure	No data available
Vapor density	No data available
Relative density	No data available
Water Solubility	No data available
Partition coefficient	No data available
Auto-ignition temperature	No data available
Decomposition temperature	No data available
Viscosity	No data available

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**Explosive properties**

No data available

**Oxidizing properties**

No data available

## 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

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

#### 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.

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### **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**

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)**

Proper shipping name: CORROSIVE SOLID,ACIDIC,ORGANIC,N. O. S.

UN number: 3261

Class: 8

Packing group: II

### **IMDG**

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Proper shipping name: CORROSIVE SOLID,ACIDIC,ORGANIC,N. O. S.

UN number: 3261

Class: 8

Packing group: II

#### **IATA**

Proper shipping name: CORROSIVE SOLID,ACIDIC,ORGANIC,N. O. S.

UN number: 3261

Class: 8

Packing group: II

## **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:**

No SARA Hazards.

#### **Massachusetts Right To Know Components:**

No components are subject to the Massachusetts Right to Know Act.

#### **Pennsylvania Right To Know Components:**

No components are subject to the Pennsylvania Right to Know Act.

#### **New Jersey Right To Know Components:**

No components are subject to the New Jersey Right to Know Act.

#### **California Prop. 65 Components:**

This product does not contain any chemicals known to State of California to cause cancer, birth defects, or anyother reproductive harm.

## **16. OTHER INFORMATION**

Copyright 2024 MedChemExpress. The above information is correct to the best of our present knowledge but does not purport to be all inclusive and should be used only as a guide. The product is for research use only and for experienced personnel. It must only be handled by suitably qualified experienced scientists in appropriately equipped and authorized facilities. The burden of safe use of this material rests entirely with the user. MedChemExpress disclaims all liability for any damage resulting from handling or from contact with this product.

**Caution: Product has not been fully validated for medical applications. For research use only.**

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