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**TECHNO PHARMCHEM**

An ISO 9001 : 2008 Certified Company

Registered Off. : 101-A, Deep Enclave, Pocket 'D', Ashok Vihar, Phase-III, Delhi-110 052 (India)  
Corporate Off. : 152, Vardhman City Centre, Near Shakti Nagar Underbridge, Delhi-110052 (India)  
Works : Plot No.1022, Modern Industrial Estate, Bahadurgarh-124507, Haryana (India)  
Telephone : 0091 - 11 - 23646422 E-mail : tecpharm@gmail.com  
Website : www.technopharmchem.com

## HYDROXYL AMMONIUM SULPHATE MATERIAL SAFETY DATA SHEET

### SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

#### 1.1 Product identifier

Product form	:	Substance
EC No	:	233-118-8
CAS No	:	10039-54-0
Product code	:	38265, A- 38265

#### 1.2. Relevant identified uses of the substance or mixture and uses advised against

##### 1.2.1. Relevant identified uses

Industrial/professional use spec	:	Industrial
For professional use only	:	
Use of the substance/mixture	:	Laboratory Reagent

##### 1.2.2. Uses advised against

No additional information available

#### 1.3. Details of the manufacturer of the safety data sheet

Techno Pharmchem  
Plot No.1022, Modern Industrial Estate,  
Bahadurgarh-124507, India  
T +91 11 23646422  
info@technopharmchem.com

#### 1.4. Emergency telephone number

Emergency number: +91 11 23646422 (9:30am – 5.30pm)

### SECTION 2: HAZARDS IDENTIFICATION

#### 2.1. Classification of the substance or mixture

Classification according to regulation (EC) No. 1272/2008[CLP]

Explosive, Division 1.3	H203
Acute toxicity (dermal), Category 4	H312
Acute toxicity (oral), Category 4	H302
Carcinogenicity, Category 2	H351
Serious eye damage/eye irritation , category 2	H319
Skin corrosion/irritation, Category 2	H315
Sensitization – skin, Category 1	H317

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Specific target organ toxicity – repeated exposure, category 2  
Hazardous to the aquatic environment – acute hazard, category 1  
H373  
H400

Full text of hazard classes and H- statements: see section 16

Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC  
Carc.Cat.3; R40

E; R2

Xn; R21/22

Xn; R48/22

R43

N; R50

Full text of R-phrases: see section16

### Adverse physicochemical, human health and environmental effects

No additional information available

### 2.2. Label elements

Labeling according to regulation (EC) No. 1272/2008 [CLP]

Signal word (CLP)	:	Warning
Hazard statements (CLP)	:	H203 – Explosive; fire, blast or projection hazard H302+H312 – Harmful if swallowed or in contact with skin H315 – Causes skin irritation H317 – May cause an allergic skin reaction H319 – Causes serious eye irritation H351 – Suspected of causing cancer H373 – May cause damage to organs through prolonged or repeated exposure H400 – Very toxic to aquatic life
Precautionary statements (CLP)	:	P273 – Avoid release to the environment P280 – Wear protective gloves/protective clothing/eye Protection/face protection P305+P351+P338 – IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

### 2.3. Other hazards

No additional information available



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## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

### 3.1. Substances

Name : HYDROXYLAMINE SULPHATE  
CAS No : 10039-54-0  
EC no : 233-118-8  
Full text of R- and H- statements: see section 16

### 3.2. Mixtures

Not applicable

## SECTION 4: FIRST AID MEASURES

### 4.1. Description of first aid measures

First – aid measures general : Suspected of causing cancer.  
First – aid measures after skin contact : Immediately call a doctor/physician. Wash with plenty of soap and water. Wash contaminated clothing before reuse. If skin irritation occurs: Get medical advice/attention. If skin irritation or rash occurs  
First – aid measures after eye contact : Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: get medical advice/attention.  
First – aid measures after ingestion : Rinse mouth. Call a doctor/physician if you feel unwell.

### 4.2. Most important symptoms and effects, both acute and delayed

Symptoms/injuries : Causes damage to organs.  
Symptoms/injuries after inhalation : May cause an allergic skin reaction.  
Symptoms/injuries after skin contact : Repeated exposure to this material can result in absorption through skin causing significant health hazards. Harmful in contact with skin causes skin irritation.  
Symptoms/injuries after eye contact : Causes serious eye irritation.  
Symptoms/injuries after ingestion : Swallowing a small quantity of this material will result in serious health hazards.

### 4.3. Indication of any immediate medical attention and special treatment needed

No additional information available

## SECTION 5: FIRE FIGHTING MEASURES

### 5.1. Extinguishing media

Suitable extinguishing media : Water spray.  
Unsuitable extinguishing media : Dry chemical powder.



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## 5.2. Special hazards arising from the substance or mixture

Explosion hazard : May form flammable/explosive vapour – air mixture.  
Heat may build pressure, rupturing closed containers, spreading fire and increasing risk of burns and injuries.

## 5.3. Advice for firefighters

Firefighting instructions : Do Not fight fire when fire reaches explosive.  
Evacuate area.

## SECTION 6: ACCIDENTAL RELEASE MEASURES

### 6.1. Personal precautions, protective equipment and emergency procedures

General measures : Remove ignition sources. Use special care to avoid static electric charges. No naked lights. No smoking.

#### 6.1.1. For non-emergency personnel

Emergency procedures : Evacuate unnecessary personnel.

#### 6.1.2. For emergency responders

Protective equipment : Use personal protective equipment as required.

### 6.2. Environmental precautions

Avoid release to the environment.

### 6.3. Methods and material for containment and cleaning up

Methods for cleaning up : Clear up rapidly by scoop or vacuum.

### 6.4. Reference to other sections

No additional information available

## SECTION 7: HANDLING AND STORAGE

### 7.1. Precautions for safe handling

Additional hazards when processed : Hazardous waste due to potential risk of explosion.  
Precautions for safe handling : Do not subject to grinding/shock/.../friction.  
Avoid breathing dust/fume/gas/mist/vapour/spray.  
obtain special instruction before use. Do not handle until all safety precautions have been read and understood.  
Hygiene measures : Do not eat, drink or smoke when using this product.  
Wash ... thoroughly after handling. Contaminated work clothing should not be allowed out of the workplace.  
Wash contaminated clothing before reuse.

### 7.2. Conditions for safe storage, including any compatibilities

Technical measures : Proper grounding procedures to avoid static electricity should be followed. ground/bond container and receiving equipment.



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Storage conditions : Store in original container. Keep container tightly closed.  
Store in a dry place  
Incompatible materials : Heat sources.

### 7.3. Specific end use (s)

No additional information available

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1. Control parameters

No additional information available

### 8.2. Exposure controls

Hand protection : Protective gloves  
Eye protection : Chemical goggles or safety glasses  
Skin and body protection : Wear suitable protective clothing  
Respiratory protection : Wear appropriate mask.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

### 9.1. Information on basic physical and chemical properties

Physical state : Solid  
Color : white crystalline  
Odor : odorless  
Odor threshold : No data available  
pH : 3.6  
Relative evaporation rate (butyl acetate=1): No data available  
Melting Point : 170°C  
Freezing point : No data available  
Boiling point : No data available  
Flash point : No data available  
Auto-ignition temperature : No data available  
Decomposition temperature : No data available  
Flammability (solid, gas) : No data available  
Vapor pressure : No data available  
Relative vapor density at 20°C : No data available  
Relative density : No data available  
Density : 1.9 g/cm<sup>3</sup>  
Solubility : Water: Freely soluble  
Log pow : No data available  
Viscosity, kinematic : No data available  
Viscosity, dynamic : No data available  
Explosive properties : Explosive; fire, blast or projection hazard.  
Oxidising properties : No data available  
Explosive limits : No data available

### 9.2. Other information

No additional information available

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## SECTION 10: STABILITY AND REACTIVITY

### 10.1. Reactivity

No additional information available

### 10.2. Chemical Stability

Explosive ; fire, blast or projection hazard. Extreme risk of explosion by shock , friction, fire or other sources of ignition.

### 10.3. Possibility of hazardous reactions

No additional information available

### 10.4. Conditions to avoid

Heat. Sparks. Open flame. Direct sunlight. Overheating

### 10.5. Incompatible materials

No additional information available

### 10.6. Hazardous decomposition products

No additional information available

## SECTION 11: TOXICOLOGICAL INFORMATION

### 11.1. Information on toxicological effects

Acute toxicity	:	Dermal: Harmful in contact with skin. Oral: harmful if swallowed.
Skin corrosion/irritation	:	Causes skin irritation pH: 3.6
Serious eye damage/irritation	:	Causes serious eye irritation. pH: 3.6
Respiratory or skin sensitization	:	May cause an allergic skin reaction.
Germ cell mutagenicity	:	Not classified
Carcinogenicity	:	Suspected of causing cancer..
Reproductive toxicity	:	Not classified
Specific target organ toxicity (single exposure)	:	Not classified
Specific target organ toxicity (repeated exposure)	:	May cause damage to organs through prolonged or repeated exposure.
Aspiration hazard	:	Not classified
Potential adverse human health effects and symptoms	:	Harmful if swallowed. Harmful in contact with skin.

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## SECTION 15: REGULATORY INFORMATION

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

Ensure all local, regional, national and/or international regulations are observed.

### 15.2 Chemical safety Assessment

For this product a chemical safety assessment was not carried out.

## SECTION 16: OTHER INFORMATION

### Full text of H-statements referred to under sections 2 and 3.

H290	May be corrosive to metals.
H302	Harmful if swallowed.
H302+H312	Harmful if swallowed or in contact with skin.
H312	Harmful in contact with skin
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H351	Suspected of causing cancer.
H373	May cause damage to organs through prolonged or repeated exposure.
H400	Very toxic to aquatic life
H410	Very toxic to aquatic life with long lasting effects
H412	Harmful to aquatic life with long lasting effects

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