

NEWFUTURE CHEMICALS CO.,LTD

***Material Safety Data sheet***

**Methoxylamine Hydrochloride**

**1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION**

**PRODUCT NAME:** Methoxylamine Hydrochloride  
**OTHER/GENERIC NAMES:** O-Methylhydroxylamine Hydrochloride  
**PRODUCT USE:** Industrial chemical  
**MANUFACTURER:** Shangrao Newfuture Environment Protection Technology Co.,Ltd. (<http://www.xwlhb.com>)  
Jinshan industrial zone, Yushan, Shangrao, Jiangxi  
Zip code:334700

**FOR MORE INFORMATION CALL:** (Monday-Friday, 9:00am-4:30pm)  
86-793-2365518

**IN CASE OF EMERGENCY CALL:** (24 Hours/Day, 7 Days/Week)  
86-793-2365516

**2. COMPOSITION/INFORMATION ON INGREDIENTS**

<u>INGREDIENT NAME</u>	<u>CAS NUMBER</u>	<u>WEIGHT %</u>
Methoxylamine Hydrochloride	593-56-6	> 99

Trace impurities and additional material names not listed above may also appear in Section 15 towards the end of the MSDS. These materials may be listed for local "Right-To-Know" compliance and for other reasons.

**3. HAZARDS IDENTIFICATION**

**EMERGENCY OVERVIEW:** Material is Appearance:white crystalline powder.

**Caution!** May cause eye and skin irritation. May cause respiratory and digestive tract irritation. Hygroscopic (absorbs moisture from the air). The toxicological properties of this material have not been fully investigated. This substance may form hazardous decomposition products which may cause possible burns.

**Target Organs:** None.

**POTENTIAL HEALTH HAZARDS**

**SKIN:** May cause skin irritation. The toxicological properties of this material have not been fully investigated.

**EYES:** May cause eye irritation. The toxicological properties of this material have not been fully investigated.

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**INGESTION:** May cause gastrointestinal irritation with nausea, vomiting and diarrhea. The toxicological properties of this substance have not been fully investigated.

**INHALATION:** May cause respiratory tract irritation. The toxicological properties of this substance have not been fully investigated.

**CHRONIC:** No information found.

### 4. FIRST AID MEASURES

**SKIN:** Get medical aid. Flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse.

**EYES:** Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid immediately.

**INHALATION:** Remove from exposure and move to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical aid.

**INGESTION:** If victim is conscious and alert, give 2-4 cupfuls of milk or water. Never give anything by mouth to an unconscious person. Get medical aid immediately.

**Notes to Physician:** Treat symptomatically and supportively.

### 5. FIRE FIGHTING MEASURES

**General Information:** As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion.

**Extinguishing Media:** Use agent most appropriate to extinguish fire. Use water spray, dry chemical, carbon dioxide, or appropriate foam.

**Flash Point:** Not available.

**Autoignition Temperature:** Not available.

**Explosion Limits, Lower:**Not available.

**Upper:** Not available.

**NFPA Rating:** (estimated) Health: ; Flammability: ; Instability

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### 6. ACCIDENTAL RELEASE MEASURES

**General Information:**

Use proper personal protective equipment as indicated in Section 8.

**Spills/Leaks:**

Vacuum or sweep up material and place into a suitable disposal container. Clean up spills immediately, observing precautions in the Protective Equipment section. Avoid generating dusty conditions. Provide ventilation.

### 7. HANDLING AND STORAGE

**Handling:** Wash thoroughly after handling. Remove contaminated clothing and wash before reuse. Use with adequate ventilation. Minimize dust generation and accumulation. Avoid contact with eyes, skin, and clothing. Keep container tightly closed. Avoid ingestion and inhalation.

**Storage:** Store in a tightly closed container. Store in a cool, dry, well-ventilated area away from incompatible substances.

### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**Engineering Controls:** Use adequate ventilation to keep airborne concentrations low.

**SHA Vacated PELs:** Methoxylamine Hydrochloride: No OSHA Vacated PELs are listed for this chemical.

#### **Personal Protective Equipment**

**Skin:** Wear appropriate protective gloves to prevent skin exposure.

**Eyes:** Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.

**Clothing:** Wear appropriate protective clothing to prevent skin exposure.

**Respirators:** Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Use a NIOSH/MSHA or European Standard EN 149 approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced.

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### 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>APPEARANCE:</b>	white
<b>PHYSICAL STATE:</b>	Crystalline powder
<b>pH:</b>	Not available.
<b>MOLECULAR WEIGHT:</b>	83.52
<b>CHEMICAL FORMULA:</b>	CH <sub>5</sub> NO · HCl
<b>ODOR:</b>	None reported
<b>SPECIFIC GRAVITY (water = 1.0):</b>	Not available.
<b>SOLUBILITY:</b>	soluble
<b>BOILING POINT:</b>	Not available.
<b>Freezing/Melting Point:</b>	248.4°F (148°C)
<b>Decomposition Temperature:</b>	248.4°F (148°C)
<b>VAPOR PRESSURE(kpa):</b>	Not available.
<b>VAPOR DENSITY (air = 1.0):</b>	Not available.
<b>EVAPORATION RATE:</b>	Not determined

### 10. STABILITY AND REACTIVITY

**Chemical Stability:** Stable under normal temperatures and pressures.

**Conditions to Avoid:** Incompatible materials, strong oxidants.

**Incompatibilities with Other Materials:** Strong oxidizing agents, strong bases, acid chlorides, acid anhydrides.

**Hazardous Decomposition Products:** Hydrogen chloride, nitrogen oxides, carbon monoxide, irritating and toxic fumes and gases, carbon dioxide.

**Hazardous Polymerization:** Has not been reported.

### 11. TOXICOLOGICAL INFORMATION

No information available.

### 12. ECOLOGICAL INFORMATION

No information available.

### 13. DISPOSAL CONSIDERATIONS

#### **Waste Disposal:**

Waste must be disposed of in accordance with federal, state and local environmental control regulations.

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### **14. TRANSPORT INFORMATION**

**US DOT HAZARD CLASS:** Class 8.1 -CORROSIVE Solid, II  
Proper DOT Shipping Description:  
CORROSIVE SOLID NOS (METHOXYAMINE)  
8.1, UN 1759, II.

**US DOT ID NUMBER:** UN 1759

For additional information on shipping regulations affecting this material, contact the information number found in Section 1.

### **15. REGULATORY INFORMATION**

**FOREIGN INVENTORY STATUS:**

One the EINECS inventory. EINECS No: 209-798-7.

### **16. OTHER INFORMATION**

**CURRENT ISSUE DATE:** August 6, 2005.

**PREVIOUS ISSUE DATE:** October 28, 2004.

**CHANGES TO MSDS FROM PREVIOUS ISSUE DATE ARE DUE TO THE FOLLOWING:**

Amended:

Information Telephone Number, Section 1.

Respiratory Protection, Section 8.

Exposure Guidelines (corrected typo.), Section 8.

Transport Information, Section 14,

Foreign Inventory Status, Section 15.

**OTHER INFORMATION:** None.

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MSDS Number: xwl-301

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