

Material Safety Data Sheet  
Acetone Oxime, 99.5%

MSDS# 60177

### Section 1 - Chemical Product and Company Identification

MSDS Name: Acetone Oxime, 99.5%  
Catalog Numbers: AC102390000, AC102390050, AC102391000, AC102395000  
Synonyms: Acetoxime

Company Identification: Aquachem Industrial Limited  
Qixiashan, Nanjing, P.R. China, 210000  
info@aquachemi.com

Company Identification: (USA) Not Available

For information in the China, call: +86-25-84353911 through Aquachem/Sinopec  
For information in Europe, call: +32 14 57 52 11 through Acros  
Emergency Number, Europe: +32 14 57 52 99 through Acros  
Emergency Number US: 201-796-7100  
CHEMTREC Phone Number, US: 800-424-9300  
CHEMTREC Phone Number, Europe: 703-527-3887

### Section 2 - Composition, Information on Ingredients

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CAS#: 127-06-0  
Chemical Name: Acetone Oxime  
%: 99.5%  
EINECS#: 204-820-1  
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Hazard Symbols: XN



Risk Phrases: 22

### Section 3 - Hazards Identification

#### EMERGENCY OVERVIEW

Warning! Harmful if inhaled. Toxic. Harmful if swallowed. May cause eye and skin irritation. May cause respiratory and digestive tract irritation. Target Organs: No data found.

#### Potential Health Effects

Eye: May cause eye irritation.  
Skin: May cause skin irritation.  
Ingestion: Harmful if swallowed. Ingestion of large amounts may cause gastrointestinal irritation.  
Inhalation: Harmful if inhaled. May cause respiratory tract irritation.  
Chronic: No information found.

### Section 4 - First Aid Measures

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

Skin: Get medical aid. Flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes.

Ingestion: Do not induce vomiting. 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.

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

Notes to Physician:

### Section 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: In case of fire, use water, dry chemical, chemical foam, or alcohol-resistant foam.

Autoignition Temperature: Not applicable.

Flash Point: Not applicable.

Explosion Limits: Lower: Not available

Explosion Limits: Upper: Not available

NFPA Rating: health: 2; flammability: 0; instability: 0;

### Section 6 - Accidental Release Measures

General Information: Use proper personal protective equipment as indicated in Section 8.

Spills/Leaks: Clean up spills immediately, observing precautions in the Protective Equipment section. Sweep up, then place into a suitable container for disposal.

### Section 7 - Handling and Storage

Handling: Wash thoroughly after handling. Remove contaminated clothing and wash before reuse. Avoid contact with eyes, skin, and clothing. Avoid ingestion and inhalation.

Storage: Store in a cool, dry place. Keep container closed when not in use.

### Section 8 - Exposure Controls, Personal Protection

Chemical Name	ACGIH	NIOSH	OSHA - Final PELs
Acetone Oxime	none listed	none listed	none listed

OSHA Vacated PELs: Acetone Oxime: None listed

Engineering Controls:

Use adequate general or local exhaust ventilation to keep airborne concentrations below the permissible exposure limits.

Exposure Limits

Personal Protective Equipment

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.

Skin: Wear appropriate protective gloves and clothing to prevent skin exposure.

Clothing: Wear appropriate protective clothing to minimize contact with skin.

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.

### Section 9 - Physical and Chemical Properties

Physical State: Solid

Color: white

Odor: Similar to that of chloral hydrate.

pH: Not available

Vapor Pressure: Not available

Vapor Density: Not available

Evaporation Rate: Not available

Viscosity: Not available

Boiling Point: 135 deg C @ 760.00mmHg ( 275.00°F)

Freezing/Melting Point: 60.00 - 63.00 deg C

Decomposition Temperature: Not available

Solubility in water: 330 g/l (20 c)

Specific Gravity/Density: .9010g/cm<sup>3</sup>

Molecular Formula: (CH<sub>3</sub>)<sub>2</sub>C=NOH

Molecular Weight: 73.09

#### Section 10 - Stability and Reactivity

Chemical Stability: Stable under normal temperatures and pressures.

Conditions to Avoid: Incompatible materials.

Incompatibilities with Other Materials: Not available

Hazardous Decomposition Products: Nitrogen oxides, carbon monoxide, carbon monoxide, carbon dioxide, nitrogen gas.

Hazardous Polymerization: Has not been reported.

#### Section 11 - Toxicological Information

RTECS#: CAS# 127-06-0: AL6825000

LD50/LC50: RTECS: Not available.

Carcinogenicity: Acetone Oxime - Not listed as a carcinogen by ACGIH, IARC, NTP, or CA Prop 65.

Other: See actual entry in RTECS for complete information.

#### Section 12 - Ecological Information

Not available

#### Section 13 - Disposal Considerations

Dispose of in a manner consistent with federal, state, and local regulations.

#### Section 14 - Transport Information

US DOT

Shipping Name: FLAMMABLE SOLID,ORGANIC,N.O.S.

Hazard Class: 4.1

UN Number: 1325

Packing Group: III

Canada TDG

Shipping Name: FLAMMABLE SOLID,ORGANIC,N.O.S.

Hazard Class: 4.1

UN Number: 1325

Packing Group: III

#### Section 15 - Regulatory Information

##### European/International Regulations

European Labeling in Accordance with EC Directives

Hazard Symbols: XN

Risk Phrases:

R 22 Harmful if swallowed.

Safety Phrases:

WGK (Water Danger/Protection)

CAS# 127-06-0: Not available

Canada

CAS# 127-06-0 is listed on Canada's NDSL List

Canadian WHMIS Classifications: D2B

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all of the information required by those regulations.

CAS# 127-06-0 is not listed on Canada's Ingredient Disclosure List.

US Federal

TSCA

CAS# 127-06-0 is listed on the TSCA Inventory.

Section 16 - Other Information

MSDS Creation Date: 9/02/1997

Revision #6 Date 7/20/2009

The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no event shall the company be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential, or exemplary damages howsoever arising, even if the company has been advised of the possibility of such damages.

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