

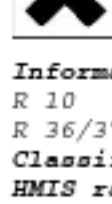
**Material Safety Data Sheet**  
**acc. to OSHA and ANSI**

Printing date 11/10/2008

Reviewed on 11/10/2008

**1 Identification of substance:****Product details:****Product name:** Acetaldoxime**Stock number:**A10640  
L03931**Manufacturer/Supplier:**Alfa Aesar, A Johnson Matthey Company  
Johnson Matthey Catalog Company, Inc.  
30 Bond Street  
Ward Hill, MA 01835-8099  
Emergency Phone: (978) 521-6300  
CHEMTREC: (800) 424-9300  
Web Site: www.alfa.com**Information Department:** Health, Safety and Environmental Department**Emergency information:**During normal hours the Health, Safety and Environmental Department.  
After normal hours call Chemtrec at (800) 424-9300.**2 Composition/Data on components:****Chemical characterisation:****Description:** (CAS#)

Acetaldoxime (CAS# 107-29-9): 100%

**Identification number(s):****EINECS Number:** 203-479-6**3 Hazards identification****Hazard description:**

Xi Irritant

**Information pertaining to particular dangers for man and environment**

R 10 Flammable.

R 36/37/38 Irritating to eyes, respiratory system and skin.

**Classification system****HMIS ratings (scale 0-4)****(Hazardous Materials Identification System)**

HEALTH	1
FIRE	2
REACTIVITY	1

Health (acute effects) = 1

Flammability = 2

Reactivity = 1

**4 First aid measures****After inhalation**

Supply fresh air. If required, provide artificial respiration. Keep

patient warm.

Seek immediate medical advice.

**After skin contact**

Immediately wash with water and soap and rinse thoroughly.

Seek immediate medical advice.

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**Product name:** Acetaldoxime

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**After eye contact**

Rinse opened eye for several minutes under running water. Then consult a

doctor.

**After swallowing** Seek immediate medical advice.**5 Fire fighting measures****Suitable extinguishing agents**

In case of fire, use sand, carbon dioxide or powdered extinguishing

agent. Never use water.

**For safety reasons unsuitable extinguishing agents** Water**Special hazards caused by the material, its products of combustion or****resulting gases:**

In case of fire, the following can be released:

Carbon monoxide and carbon dioxide

Nitrogen oxides (NOx)

**Protective equipment:**

Wear self-contained respirator.

Wear fully protective impervious suit.

**6 Accidental release measures****Person-related safety precautions:**

Wear protective equipment. Keep unprotected persons away.

Ensure adequate ventilation

Keep away from ignition sources

**Measures for environmental protection:**

Do not allow material to be released to the environment without proper

governmental permits.

**Measures for cleaning/collecting:**

Absorb with liquid-binding material (sand, diatomite, acid binders,

universal binders, sawdust).

Ensure adequate ventilation.

Do not flush with water or aqueous cleansing agents

Keep away from ignition sources.

**Additional information:**

See Section 7 for information on safe handling

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

**7 Handling and storage****Handling****Information for safe handling:**

Keep container tightly sealed.

Store in cool, dry place in tightly closed containers.

Ensure good ventilation at the workplace.

**Information about protection against explosions and fires:**

Keep ignition sources away.

Protect against electrostatic charges.

Fumes can combine with air to form an explosive mixture.

**Storage****Requirements to be met by storerooms and receptacles:**

No special requirements.

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**Product name:** Acetaldoxime

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**Information about storage in one common storage facility:**

Store away from oxidizing agents.

**Further information about storage conditions:**

Keep container tightly sealed.

Store in cool, dry conditions in well sealed containers.

**8 Exposure controls and personal protection****Additional information about design of technical systems:**

Properly operating chemical fume hood designed for hazardous chemicals

and having an average face velocity of at least 100 feet per minute.

**Components with limit values that require monitoring at the workplace:**

Not required.

**Additional information:** No data**Personal protective equipment****General protective and hygienic measures**

The usual precautionary measures for handling chemicals should be

followed.

Keep away from foodstuffs, beverages and feed.

Remove all soiled and contaminated clothing immediately.

Wash hands before breaks and at the end of work.

Avoid contact with the eyes and skin.

**Breathing equipment:**

Use suitable respirator when high concentrations are present.

**Protection of hands:** Impervious gloves**Eye protection:** Safety glasses**Body protection:** Protective work clothing.**9 Physical and chemical properties:****General Information**

<b>Form:</b>	Liquid
<b>Odor:</b>	Not determined

**Change in condition****Melting point/Melting range:** Not determined**Boiling point/Boiling range:** Not determined**Sublimation temperature / start:** Not determined**Flash point:** 40°C (104°F)**Ignition temperature:** Not determined**Decomposition temperature:** Not determined**Explosion limits:****Lower:** Not determined**Upper:** Not determined**Vapor pressure:** Not determined**Density at 20°C (68°F):** 0.969 g/cm<sup>3</sup>

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**Product name:** Acetaldoxime

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**Solubility in / Miscibility with****Water:** Fully miscible**10 Stability and reactivity****Thermal decomposition / conditions to be avoided:**

Decomposition will not occur if used and stored according to

specifications.

**Materials to be avoided:** Oxidizing agents**Dangerous reactions** No dangerous reactions known**Dangerous products of decomposition:**

Carbon monoxide and carbon dioxide

Nitrogen oxides

**11 Toxicological information****Acute toxicity:****Primary irritant effect:**

on the skin: Irritant to skin and mucous membranes.

on the eye: Irritating effect.

**Sensitisation:** No sensitizing effects known.**Other information (about experimental toxicology):**

Mutagenic effects have been observed on tests with laboratory animals.

**Subacute to chronic toxicity:**

Other than potential irritation (see above), no information on illness or

injury to humans from acute or chronic exposure to this product is

available.

**Additional toxicological information:**

To the best of our knowledge the acute and chronic toxicity of this

substance is not fully known.

No classification data on carcinogenic properties of this material is

available from the EPA, IARC, NTP, OSHA or ACGIH.

**12 Ecological information:****General notes:**

Do not allow undiluted product or large quantities of it to reach ground

water, water course or sewage system.

Do not allow material to be released to the environment without proper

governmental permits.

**13 Disposal considerations****Product:****Recommendation**

Consult state, local or national regulations to ensure proper disposal.

**Uncleaned packagings:****Recommendation:** Disposal must be made according to official regulations.**Recommended cleansing agent:** Water, if necessary with cleansing agents.

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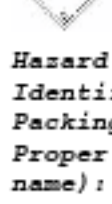
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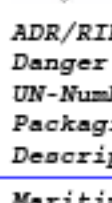
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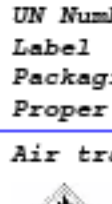
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**14 Transport information****DOT regulations:**

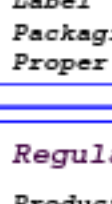
<b>Hazard class:</b>	3
<b>Identification number:</b>	UN2332
<b>Packing group:</b>	III
<b>Proper shipping name (technical name):</b>	ACETALDEHYDE OXIME
<b>Label:</b>	3

**Land transport ADR/RID (cross-border)**

<b>ADR/RID class:</b>	3 (F1) Flammable liquids
<b>Danger code (Kemler):</b>	30
<b>UN-Number:</b>	2332
<b>Packaging group:</b>	III
<b>Description of goods:</b>	2332 ACETALDEHYDE OXIME

**Maritime transport IMDG:**

<b>IMDG Class:</b>	3
<b>UN Number:</b>	2332
<b>Label:</b>	3
<b>Packaging group:</b>	III
<b>Proper shipping name:</b>	ACETALDEHYDE OXIME

**Air transport ICAO-TI and IATA-DGR:**

<b>ICAO/IATA Class:</b>	3
<b>UN/ID Number:</b>	2332
<b>Label:</b>	3
<b>Packaging group:</b>	III
<b>Proper shipping name:</b>	ACETALDEHYDE OXIME

**15 Regulations****Product related hazard informations:****Hazard symbols:**

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**Product name:** Acetaldoxime

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**Risk phrases:**

10 Flammable.

36/37/38 Irritating to eyes, respiratory system and skin.

**Safety phrases:**

7 Keep container tightly closed.

26 In case of contact with eyes, rinse immediately with plenty of water

and seek medical advice.

33 Take precautionary measures against static discharges.

37 Wear suitable gloves.

43 In case of fire, use sand, carbon dioxide or powdered extinguishing

agent. Never use water.

60 This material and its container must be disposed of as hazardous

waste.

**National regulations**

All components of this product are listed in the U.S. Environmental

Protection Agency Toxic Substances Control Act Chemical substance

Inventory.

All components of this product are listed on the Canadian Non-Domestic

Substances List (NDSL).

**Information about limitation of use:**

For use only by technically qualified individuals.

**16 Other information:**

Employers should use this information only as a supplement to other

information gathered by them, and should make independent judgement of

suitability of this information to ensure proper use and protect the

health and safety of employees. This information is furnished without

warranty, and any use of the product not in conformance with this

Material Safety Data Sheet, or in combination with any other product or

process, is the responsibility of the user.

**Department issuing MSDS:** Health, Safety and Environmental Department.**Contact:** Paul V. Connolly

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