



## Material Safety Data Sheet Dimethylglyoxime

### Section 1 - Chemical Product and Company Identification

**MSDS Name:**

Dimethylglyoxime

**Catalog Numbers:**

LC13596

**Synonyms:****Company Identification:**

LabChem, Inc.  
200 William Pitt Way  
Pittsburgh, PA 15238

**Company Phone Number:**

(412) 826-5230

**Emergency Phone Number:**

(800) 424-9300

**CHEMTREC Phone Number:**

(800) 424-9300

### Section 2 - Composition, Information on Ingredients

CAS#	Chemical Name:	Percent
95-45-4	Dimethylglyoxime	100

### Section 3 - Hazards Identification

#### Emergency Overview

**Appearance:** *Light beige powder.***Caution!** *May cause irritation with possible injury by all exposure routes.***Target Organs:** *none known.***Potential Health Effects****Eye:**

Eye irritation and possible corneal damage may occur.

**Skin:**

May cause skin irritation.

**Ingestion:**

May cause irritation to digestive tract.

**Inhalation:**

May cause irritation to respiratory tract.

**Chronic:**

The chemical, physical, and toxicological properties have not been fully investigated



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### Section 4 - First Aid Measures

**Eyes:**

Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower lids until no evidence of chemical remains. Get medical aid at once.

**Skin:**

Get medical aid. Immediately flush skin with plenty of soap and water for at least 15 minutes while removing contaminated clothing and shoes. Remove contaminated clothing and shoes.

**Ingestion:**

Get medical aid at once. Wash out mouth with water if person is conscious.

**Inhalation:**

Give artificial respiration if necessary. Get medical aid. Keep victim warm, at rest. Move victim to fresh air.

**Notes to Physician:**

Treat symptomatically and supportively.

### Section 5 - Fire Fighting Measures

**General Information:**

Keep away from heat and flames.

**Extinguishing Media:**

For small fires, use dry chemical, carbon dioxide, water spray or alcohol-resistant foam.

**Autoignition Temperature:**

No information found.

**Flash Point:**

No information found.

**NFPA Rating:**

CAS# 95-45-4: Not published.

**Explosion Limits:**

Lower: n/a    Upper: n/a

### Section 6 - Accidental Release Measures

**General Information:**

Use proper personal protective equipment as indicated in Section 8.

**Spills/Leaks:**

Absorb spills with absorbent (vermiculite, sand, fuller's earth) and place in plastic bags for later disposal.

### Section 7 - Handling and Storage

**Handling:**

Wash thoroughly after handling. Avoid breathing dust, vapor, mist, or gas.



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**Storage:**

Protect from heat and incompatibles.

### Section 8 - Exposure Controls, Personal Protection

**Engineering Controls:**

Provide local exhaust or general dilution ventilation.

**Exposure Limits:**

Chemical Name:	ACGIH	NIOSH	OSHA
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Dimethylglyoxime	None of the components are on this list.	None of the components are on this list.	None of the components are on this list.
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**OSHA Vacated PELs:**

### Personal Protective Equipment

**Eyes:**

Do not wear contact lenses when working with chemicals. An eye wash fountain should be available in the immediate work area. Wear splash-proof safety goggles.

**Skin:**

Wear appropriate protective gloves to prevent skin exposure.

**Clothing:**

Wear appropriate protective clothing to prevent skin exposure.

**Respirators:**

Not required for normal use. Firefighting-- any self-contained breathing apparatus with full facepiece operated in pressure-demand mode.

### Section 9 - Physical and Chemical Properties

**Physical State:** Powder

**Color:** Light beige

**Odor:** Odorless

**pH:** No information found.

**Vapor Pressure:** No information found

**Vapor Density:** No information found

**Evaporation Rate:** No information found.

**Viscosity:** No information found.

**Boiling Point:** No information found

**Freezing/Melting Point:** 240C

**Decomposition Temperature:** No information found.

**Solubility in water:** Slight.

**Specific Gravity/Density:** No information found.

**Molecular Formula:** No information found.

**Molecular Weight:** No information found.



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### Section 10 - Stability and Reactivity

**Chemical Stability:**

Stable under normal temperatures and pressures.

**Conditions to Avoid:**

Keep away from heat and flames.

**Incompatibilities with Other Materials:**

Keep away from strong oxidizers and reducing agents, strong acids.

**Hazardous Decomposition Products:**

Oxides of nitrogen, oxides of carbon.

**Hazardous Polymerization:**

Has not been reported.

### Section 11 - Toxicological Information

**RTECS:**

CAS# 95-45-4: EK2975000.

**LD50/LC50:**

CAS# 95-45-4:

**Carcinogenicity:**

CAS# 95-45-4:

Not listed as a carcinogen by ACGIH, IARC, NIOSH, NTP, OSHA, or CA Prop 65.

**Epidemiology:**

**Teratogenicity:**

**Reproductive:**

**Mutagenicity:**

**Neurotoxicity:**

### Section 12 - Ecological Information

No information found.

### Section 13 - Disposal Considerations

Dispose of in accordance with Federal, State, and local regulations.

### Section 14 - Transport Information

**US DOT**

**Shipping Name:** Not regulated.

**Hazard Class:**

**UN Number:**

**Packing Group:**



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### Section 15 - Regulatory Information

#### US Federal

**TSCA:**

CAS# 95-45-4 is listed on the TSCA Inventory.

**SARA Reportable Quantities (RQ):**

None of the components are on this list.

**CERCLA/SARA Section 313:**

None of the components are on this list.

**OSHA - Highly Hazardous:**

None of the components are on this list.

#### US State

**State Right to Know:**

**California Regulations:**

Not listed.

#### European/International Regulations

**Canadian DSL/NDSL:**

CAS# 95-45-4 is listed on Canada's DSL List.

**Canada Ingredient Disclosure List:**

CAS# 95-45-4 is not listed on Canada's Ingredient Disclosure List.

### Section 16 - Other Information

MSDS Creation Date: October 11, 2004

Revision Date: October 20, 2004

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