



**ALDON CORPORATION**

# MATERIAL SAFETY DATA SHEET

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MSDS No. DD 35  
Effective Date August 12, 1998

## SECTION V HEALTH HAZARD DATA

DD 35

**Threshold Limited Value** None established. (ACGIH 1992-93). Toxicity: Oral-rat LDLO 250 mg/Kg. TLV: Oral rat LD50 200-500 mg/kg.

**Effects of Overexposure** May be harmful by inhalation, ingestion, or skin absorption. May cause irritation to skin and eyes. Dusting may be irritating to the respiratory tract. Can be fatal if swallowed in appreciative amounts. Exercise appropriate procedures to minimize potential hazards.

**Emergency and First Aid Procedures**

**EYES:** Flush thoroughly with water for 15 minutes, lifting lower and upper eyelids occasionally. Get immediate medical attention. **SKIN:** Flush with water, then wash with soap and water. **INHALATION:** Remove to fresh air. If discomfort or illness develops, get medical attention. **INGESTION:** If swallowed, if conscious, treat symptomatically and supportively. Get immediate medical attention. Never give anything by mouth to an unconscious person.

## SECTION VI REACTIVITY DATA

<b>Stability</b>	<b>Unstable</b>		<b>Conditions to Avoid</b>	Excessive temperature and heat.
	<b>Stable</b>	X		

**Incompatibility (Materials to Avoid)** Strong oxidizers, acids and reducing agents.

**Hazardous Decomposition Products** Thermal decomposition or burning may produce carbon dioxide and/or carbon monoxide and oxides of nitrogen (NO<sub>x</sub>).

<b>Hazardous Polymerization</b>		<b>Conditions to Avoid</b>	Not applicable.
<b>May Occur</b>	<b>Will Not Occur</b>		
	X		

## SECTION VII SPILL OR LEAK PROCEDURES

**Steps to be taken in case material is released or spilled** Recover for use if not contaminated. Sweep up and place in a suitable container for proper disposal. Wash spill area with soap and water.

**Waste Disposal Method** Discharge, treatment, or disposal may be subject to Federal, State or Local laws. These disposal guidelines are intended for the disposal of catalog-size quantities only.

Dispose of in an approved incinerator equipped with an afterburner and scrubber or contract with a licensed waste disposal service.

## SECTION VIII SPECIAL PROTECTION INFORMATION

**Respiration Protection (Specify Type)** None needed in normal laboratory handling. If dusty conditions prevail, wear a NIOSH/MSHA-approved dust mask.

<b>Ventilation</b>	<b>Local Exhaust</b>	<b>Recommended.</b>	<b>Special</b>	<b>No.</b>
	<b>Mechanical (General)</b>	<b>Recommended.</b>	<b>Other</b>	<b>No.</b>

**Protective Gloves** Rubber. **Eye Protection** Chemical safety glasses.

**Other Protective Equipment** Goggles, smock, apron, eye wash station, proper gloves, ventilation hood.

## SECTION IX SPECIAL PRECAUTIONS

**Precautions to be Taken in Handling & Storing** Store in a cool, dry place away from oxidizing materials. Wash thoroughly after handling.

**Other Precautions** Read label on container before using. Do not wear contact lenses when working with chemicals.

Avoid inhalation. Avoid contact with skin, eyes and mucous membranes. Remove and wash contaminated clothing.

For laboratory use only. Not for drug, food or household use. Keep out of reach of children.

<b>Revision</b> 4	<b>Date</b> 8/12/98	<b>Approved</b> Michael Raszeja	<b>Chemical Safety Coordinator</b> MR
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The information contained herein is furnished without warranty of any kind. Employers should use this information only as a supplement to other information gathered by them and must make independent determinations of suitability and completeness of information from all sources to assure proper use of these materials and the safety and health of employees. \* Hazardous Materials Industrial Standards. Printed on recycled paper.

## SECTION I NAME 24 HOUR EMERGENCY ASSISTANCE

<b>Product</b>	DIMETHYLGLYOXIME	 <b>CHEMTREC</b> <b>800-424-9300</b> Day 716-226-6177	<b>Health</b>	2
<b>Chemical Synonyms</b>	Diacetyldioxime		<b>Fire</b>	1
<b>Formula</b>	(CH <sub>3</sub> C:NOH) <sub>2</sub>		<b>Reactivity</b>	0
<b>Unit Size</b>	up to 2.5 Kg.		<b>NFPA HAZARD RATING</b> LEAST SLIGHT MODERATE HIGH EXTREME 0 1 2 3 4	
<b>C.A.S. No.</b>	95-45-4	<b>HMIS *</b> 0 1 2 3 4		

## SECTION II INGREDIENTS OF MIXTURES

Principal Component(s)	%	TLV Units
Dimethylglyoxime	100%	See Section V.

**CAUTION! MAY BE HARMFUL IF SWALLOWED OR INHALED.**

**MAY CAUSE IRRITATION TO SKIN, EYES OR RESPIRATORY TRACT.**

## SECTION III PHYSICAL DATA

<b>Melting Point (°F)</b>	235-240°C (455-464°F).	<b>Specific Gravity (H<sub>2</sub>O = 1)</b>	Data not listed.
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<b>Boiling Point (°F)</b>	Data not listed.	<b>Percent Volatile by Volume (%)</b>	Non-volatile (NA).
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<b>Vapor Pressure (mm Hg)</b>	Negligible as solid.	<b>Evaporation Rate ( =1)</b>	Non-volatile (NA).
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<b>Vapor Density (Air=1)</b>	4.0
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<b>Solubility in Water</b>	0.06 grams per 100 mL. water at 20°C.
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<b>Appearance &amp; Odor</b>	White to off-white crystalline powder; no odor.
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## SECTION IV FIRE AND EXPLOSION HAZARD DATA

<b>Flash Point (Method Used)</b>	Non-flammable (NA).	<b>Flammable Limits in Air % by Volume</b>	Lower	Upper
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**Extinguisher Media** Water mist; carbon dioxide (CO<sub>2</sub>); dry chemical (ABC); foam.

## SPECIAL FIREFIGHTING PROCEDURES

In fire conditions, wear a NIOSH/MSHA-approved self-contained breathing apparatus and protective clothing.

## UNUSUAL FIRE AND EXPLOSION HAZARDS

When heated to decomposition, emits toxic fumes of oxides of nitrogen (NO<sub>x</sub>). Can react vigorously with oxidizing materials.

D.O.T. **NON-REGULATED.**

Approved by U.S. Department of Labor "essentially similar" to form OSHA-20