



COLUMBUS CHEMICAL INDUSTRIES INC.

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Material Safety Data Sheet

May be used to comply with OSHA's Hazard Communication Standard, 29 CFR 1910.1200. Standard must be consulted for specific requirements

U.S. Department of Labor

Occupational Safety and Health Administration
 (Non-Mandatory Form)
 Form Approved
 OMB No. 1218-0072

IDENTITY (as Used on Label and List)

Dimethylglyoxime

Note: Blank spaces are not permitted. If any item is not applicable or no information is available, the space must be marked to indicate that.

Section I

Manufacturers /Distributor Address Number Street City State and Zip Code

Columbus Chemical Industries, Inc.

N4335 Temkin Road

Columbus, WI 53925-0008

Emergency Telephone Number

CHEMTREC 1 (800) 424-9300

Telephone Number for Information

1 (920) 623-2140

Date Prepared

03-13-2007

Signature of Preparer (optional)

Section II - Hazardous Ingredients/Identity Information

Hazardous Components (Specific Chemical Identity, Common Name(s))	CAS #	OSHA PEL	ACGIH TLV	Other Limits Recommended	% (optional)
Dimethylglyoxime*	95-45-4	Not Available	Not Available	Not Available	

*SYNONYMS: 2,3-Butanedionedioxime

Section III - Physical/Chemical Characteristics

Boiling Point	Not available	Specific Gravity (H ₂ O = 1)	Not available
Vapor Pressure (mm Hg)	Not available	Melting Point	240°C (464°F)
Vapor Density (AIR = 1)	Not available	Evaporation Rate (Butyl Acetate = 1)	Not available

Solubility in Water

Negligible

Appearance and Odor

White solid.

Section IV Fire and Explosion Hazard Data

Flash Point (Method Used)	Flammable Limits	LEL	UEL
Non flammable		Not available	Not available

Extinguishing Media

Use extinguishing media appropriate for surrounding fire.

Special Fire Fighting Procedures

In the event of a fire, wear full protective clothing and NIOSH/MSHA-approved self-contained breathing apparatus with full facepiece operated in the pressure demand or other positive pressure mode.

Unusual Fire and Explosion Hazards

Emits toxic fumes under fire conditions.

Section V Reactivity Data

Stability	Unstable		Conditions to Avoid	Excess heat
	Stable	X		

Incompatibility Materials to Avoid

Oxidizing agents, reducing agents, acids.

Hazardous Decomposition or Byproducts

Carbon oxides, nitrogen oxides

Hazardous Polymerization**Conditions to Avoid**

	May Occur		Not applicable.
	Will Not Occur	X	

Section VI Health Hazard Data

Routes of Entry	Inhalation ?	Skin ?	Ingestion ?
	Yes	No	Yes

Health Hazards (Acute and Chronic)

EYES/SKIN: May cause irritation. INHALATION: May cause irritation of the mucous membranes and upper respiratory tract. INGESTION: May cause digestive tract irritation.

Carcinogenicity	NTP	IARC Monographs	OSHA REGULATED?
	Not Listed	Not Listed	Not Listed

Signs and Symptoms of Exposure.

EYES: Redness, pain, tearing, conjunctivitis. SKIN: Redness, swelling, pain, itchiness, rash. INGESTION: Gastrointestinal pain.

INHALATION: Pain, inflammation of mucous membranes, wheezing, coughing.

Medical Conditions Generally Aggravated by Exposure

Prolonged or repeated exposure to material is not known to aggravate medical conditions.

Emergency and First Aid Procedures

EYES: immediately flush with large amounts of water for at least 15 minutes. SKIN:

Seek Medical Attention. SKIN: Remove contaminated clothing. Rinse with copious amounts of soap and water.

INHALATION: Remove victim to fresh air. If difficulty breathing, give oxygen. If not breathing, give artificial respiration.

INGESTION: DO NOT INDUCE VOMITING. Loosen tight clothing and move to fresh air. Call a physician immediately.

Section VII Precautions for Safe Handling and Use**Steps to be Taken in Case Material is Released or Spilled**

Evacuate personnel from area. Wear NIOSH/MSHA-approved respirator, goggles, rubber apron and chemical-resistant rubber gloves. Sweep up, place in a bag and hold for waste disposal. Avoid contact, and ingestion. Ventilate area and wash spill site after material pickup is complete. Avoid raising dust.

Waste Disposal Method

Dispose of material and spillage in accordance with all applicable Federal, state, and local regulations.

Precautions to be Taken in Handling and Storing

Keep in tightly closed plainly-labelled containers, stored in a cool, dry, ventilated area. Protect against physical damage. Maintain adequate ventilation. Do not breathe dust.

Other Precautions

Containers, even when empty, will retain residue. Always obey hazard warnings and handle empty containers as if they were full.

Section VII Control Measures**Respiratory Protection (Specify Type)**

NIOSH/MSHA-approved respirator with dust/mist cartridge.

Ventilation	Local Exhaust	Necessary.	Special	Eye-wash nearby.
	Mechanical (General)	Recommended.	Other	Safety shower nearby.

Protective Gloves

Appropriate chemical-resistant gloves.

Eye Protection

Chemical safety goggles

Other Protective Clothing or Equipment

Lab coat or apron, boots, dust mask.

Work /Hygienic Practices

Contact lenses should not be worn when working with this material. Maintain eyewash and quick-drench facilities in work area. Avoid all unnecessary exposure to the chemical substance and ensure prompt removal from skin, eyes and clothing. Avoid breathing mist. Avoid prolonged or repeated exposure.

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