



PO Box 329 • 802 Washington Avenue • Chestertown, MD 21620 • USA

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24 Hour Emergency Number (CHEM-TEL) : USA, Canada, Puerto Rico 800-255-3924;

Outside North American continent: 813-248-0585 (call collect)

MSDS

Material Safety Data Sheet

1. Product Identification

Manufactured By:

LaMotte Company

Product Code:

6254

802 Washington Avenue

Product Description:

Dimethylglyoxime, 1%

Chestertown, MD 21620

2. Composition/Information on Ingredients

Hazardous	Name	CAS #	%	OSHA PEL	ACGIH TLV
Yes	Ethyl Alcohol	64-17-5	>90	1900 mg/cubic m	1000 ppm
Yes	Methyl Alcohol	67-56-1	>5	200 ppm	200 ppm
Yes	Dimethylglyoxime	95-45-4	1	N/E	N/E
No	Water	7732-18-5	<5		

3. Hazards Overview

Primary Route of Entry: Ingestion Inhalation Skin

Danger! Poison! Vapor and liquid harmful. Inhalation can cause headache, dizziness, nausea. May be irritating to eyes and skin. Harmful if swallowed: Ingestion may be fatal or cause blindness. Cannot be made nonpoisonous.

HMIS Hazard: (Scale: 4 = Extreme, 3 = High, 2 = Moderate, 1 = Slight, 0 = Least)

Health: 2 Flammability: 3 Reactivity: 2

Carcinogenicity: None

Other Health Related Comments: See Section 11.

4. First Aid Measures

Eye Contact: Flush with water for 15 minutes. Consult physician.

Skin Contact: Flush with water. Wash with soap and water.

Ingestion: Do not induce vomiting. Drink plenty of water. Call a physician immediately.

Inhalation: Remove to fresh air.

5. Fire Fighting Measures

Flash Point: ca. 20 deg C-closedcup **LEL:** 3.3% **UEL:** 19%

Fire Rating

Extinguishing Media: Dry chemical, CO₂, or water spray

Special Fire Fighting Procedures: N/A

Hazardous Combustion and/or Decomposition Products: CO_x

Unusual Fire & Explosion Hazard: Vapors may travel distance to ignition source and flash back.

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6. Accidental Release Measures

Eliminate sources of ignition. Ventilate area. Absorb on paper or spill pad. Allow to evaporate on iron pan in fume hood.

7. Handling & Storage

Store in a cool, dry, well-ventilated location, away from any area where the fire hazard may be acute. Do not use near hot surfaces, sparks, flame, static electricity or other sources of ignition.

8. Exposure Controls/Personal Protection

Ventilation

A system of local and/or general exhaust is recommended. Fume hood for large quantities.

Protection When Handling

Gloves Eye Protection Lab Coat

Work/Hygienic Practices: Use with adequate ventilation and avoid contact with skin and eyes.

9. Physical & Chemical Properties

Appearance:	Clear Colorless Liquid	Boiling Point:	78 deg C
		Melting Point:	N/A
		pH:	N/A
Odor:	Alcohol	Vapor Density:	1.6 (Air=1)
Solubility in Water:	Soluble	Vapor Pressure:	40 mm Hg @ 19 deg C

10. Stability & Reactivity

Stable:	Yes
Conditions to Avoid:	Heat, sources of ignition
Materials to Avoid:	Strong oxidizers, nitric or sulfuric acid

Hazardous Decomposition Products: COx or formaldehyde when heated to decomposition.

11. Toxicological Information

Oral human LDLo: 1400 mg/kg ethanol

Oral human LDLo: 143 mg/kg methanol. Toxic. Methanol affects Central Nervous System, particularly the optic nerve, and the liver

Oral rat LDLo: 250 mg/kg Dimethylglyoxime; Investigated as a mutagen.

Target Organs: Central Nervous System, Liver

12. Ecological Information

Information not Available

13. Disposal Considerations

Small quantity: Flush down drain with excess water. Large quantity: Atomize into an incinerator. Dispose according to federal, state and local regulations.

Product Code: 6254**Product Description: Dimethylglyoxime, 1%**

14. Transport Information

Domestic:

Proper Shipping Name: ALCOHOLS, FLAMMABLE, TOXIC, N.O.S. (95% ETHANOL, 5% METHANOL)**Hazard Class/Div: 3, 6.1****UN1986****Packing Group: II**

International:

Proper Shipping Name: ALCOHOLS, FLAMMABLE, TOXIC, N.O.S. (95% ETHANOL, 5% METHANOL)**Hazard Class/Div: 3, 6.1****UN1986****Packing Group: II**

15. Regulatory Information**Chemical Inventory Status**

Ingredient	USA TSCA	Europe EC	---Canada--- DSL NDSL	Australia	Japan
Ethyl Alcohol	Yes	Yes	Yes No	Yes	Yes
Methyl Alcohol	Yes	Yes	Yes No	Yes	Yes
Dimethylglyoxime Water	Yes	Yes	Yes No	Yes	Yes

Federal, State, & International Regulations

Ingredient	---SARA 302--- RQ	TPQ	----- SARA 313 ----- Listed	Chemical Category	CERCLA	RCRA 261.33	TSCA 8(D)
Ethyl Alcohol	No	No	No	No	No	D001	No
Methyl Alcohol	No	No	Yes	No	5000	U154	No
Dimethylglyoxime Water	No	No	No	No	No	No	No

Ingredient	----- SARA 311/312 ----- Hazard Categories	----- Australia ----- Hazchem Code	Poison Schedule	This MSDS is WHMIS Compliant
Ethyl Alcohol	Acute: Yes Chronic: Yes Fire: Yes Pressure: No Reactivity: No (Pure/Liquid)	None allocated	None allocated	
Methyl Alcohol	Acute: Yes Chronic: Yes Fire: Yes Pressure: No Reactivity: No (Pure/Liquid)	2PE	S6	
Dimethylglyoxime Water	Acute: Yes Chronic: No Fire: No Pressure: No Reactivity: No (Pure/Solid)	None Allocated	None Allocated	
For #6254 liquid mixture, as a whole	Acute: Yes Chronic: Yes Fire: Yes Pressure: No Reactivity: No	2[S]E	S5	Yes

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16. Other Information

Prepared By: IP

Revised: 4/28/2008