

MATERIAL SAFETY DATA SHEET

Dimethylglyoxime

SECTION 1 . Product and Company Identification

Product Name and Synonym: Dimethylglyoxime
Product Code: D5002
Material Uses:
Manufacturer: Science Stuff
1104 Newport Ave
Austin, TX 78753
(512) 837-6020
Entry Date : 6/3/2013
Print Date: 6/3/2013
24 Hour Emergency Assistance : Chemtrec 800-424-9300
Canutec 613-996-6666

Health:	2
Flammability:	3
Reactivity:	0
Hazard Rating: Least Slight Moderate High Extreme 0 1 2 3 4 NA=Not Applicable NE=Not Established	

SECTION 2 HAZARD IDENTIFICATION

May be harmful if swallowed. May cause irritation. Avoid breathing vapors, or dusts. Use with adequate ventilation. Avoid contact with eyes, skin, and clothes. Wash thoroughly after handling.

SECTION 3 MIXTURE COMPONENTS

SARA 313	Component	CAS Number	Percent Comp.	Dimension	Exposure Limits
<input type="checkbox"/>	Dimethylglyoxime	CAS# 95-45-4	100 %	W/W	None established

SECTION 4 FIRST AID MEASURES

May be harmful if swallowed. May cause irritation. Avoid breathing vapors, or dusts. Use with adequate ventilation. Avoid contact with eyes, skin, and clothes. Wash thoroughly after handling.

FIRST AID: SKIN: Remove contaminated clothing. Wash exposed area with soap and water. if irritation persists, seek medical attention.

EYES: Wash eyes with plenty of water for at least 15 minutes, lifting lids occasionally. Seek Medical Aid. INHALATION: Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen

INGESTION: If swallowed, induce vomiting immediately after giving two glasses of water. Never give anything by mouth to an unconscious person.

SECTION 5 FIRE FIGHTING MEASURES

Fire Extinguisher Type: Water spray, dry chemical, carbon dioxide, alcohol foam
Fire / Explosion Hazards: Flammable. Containers may explode when heated.
Fire Fighting Procedure: Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and clothing.

SECTION 6 ACCIDENTAL RELEASE MEASURES

Dimethylglyoxime

Sweep up and place in suitable (fiberboard) containers for reclamation or later disposal.

SECTION 7 HANDLING AND STORAGE

Store in a cool dry well ventilated area. Keep away from heat and flame. Do not get in eyes, on skin, or on clothing.

SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Respiratory Protection: Dust mask
Ventilation
Local Exhaust
Mechanical
Protective Gloves: Wear appropriate gloves to prevent skin exposure
Eye Protection: Splash Goggles
Other Protective Equipment: Wear appropriate clothing to prevent skin exposure
Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Use a NIOSH/MSHA or European Standard EN 149 approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced.

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Melting Point:	240 Deg C	Percent Volatile by Volume:	0
Boiling Point:	Information not available	Evaporation Rate	0
Vapor Pressure:	Information not available	Evaporation Standard	
Vapor Density:	Information not available	Auto Ignition Temp	Not applicable
Solubility in Water:	Practically insoluble in water	Lower Flamm. Limit in Air	Not applicable
Appearance /Odors:	White off white powder/odorless	Upper Flamm. Limit in Air	Not applicable
Flash Point:	Information not available		
Specific Gravity:	Information not available		

SECTION 10 STABILITY AND REACTIVITY INFORMATION

Stability: Stable
Conditions to Avoid: Incompatibilities

Dimethylglyoxime

Materials to Avoid: Oxidizing agents, strong acids, and reducing agents
Hazardous Decomposition Products: Emits oxides of nitrogen and carbon when heated
Hazardous polymerization:
Conditions to Avoid: None known

SECTION 11 Toxicological Information

Acute Toxicity
Component Information
Irritation Irritating to eyes, respiratory system and skin
Toxicologically Synergistic Products
No information available.
Chronic Toxicity
Carcinogenicity There are no known carcinogenic chemicals in this product
Sensitization No information available.
Mutagenic Effects No information available.
Reproductive Effects No information available.
Developmental Effects No information available.
Teratogenicity No information available.
Other Adverse Effects See actual entry in RTECS for complete information. The toxicological properties have not been fully investigated..
Endocrine Disruptor Information No information available

SECTION 12 Ecological Information

Ecotoxicity
No information available..
Persistence and Degradability No information available
Bioaccumulation/ Accumulation No information available
Mobility .
Component log Pow
2,3-Butanedione, dioxime -0.29

SECTION 13 Disposal Considerations

Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. Chemical waste generators must also consult local, regional, and national hazardous waste regulations to ensure complete and accurate classification.

SECTION 14 Transport Information

TDG
UN-No UN1325
Proper Shipping Name FLAMMABLE SOLIDS, ORGANIC, N.O.S.
Hazard Class 4.1
Packing Group III

IATA
UN-No UN1325
Proper Shipping Name Flammable solid, organic, n.o.s
Hazard Class 4.1
Packing Group III

IMDG/IMO
UN-No UN1325
Proper Shipping Name Flammable solid, organic, n.o.s
Hazard Class 4.1
Packing Group III

DOT Classification: Flammable solids, organic, n.o.s. (2,3-Butanedione, dioxime), 4.1, UN1325, PG III

DOT Regulations may change from time to time. Please consult the most recent D.O.T. regulations.

SECTION 15 Regulatory Information

International Inventories

Dimethylglyoxime

Component TSCA DSL NDSL EINECS ELINCS NLP PICCS ENCS AICS CHINA KECL
2,3-Butanedione, dioxime X X - 202-420-
1

- X X X X KE-
03824

XLegend:

X - Listed

E - Indicates a substance that is the subject of a Section 5(e) Consent order under TSCA.

F - Indicates a substance that is the subject of a Section 5(f) Rule under TSCA.

N - Indicates a polymeric substance containing no free-radical initiator in its inventory name but is considered to cover the designated polymer made with any free-radical initiator regardless of the amount used.

P - Indicates a commenced PMN substance

R - Indicates a substance that is the subject of a Section 6 risk management rule under TSCA.

S - Indicates a substance that is identified in a proposed or final Significant New Use Rule

T - Indicates a substance that is the subject of a Section 4 test rule under TSCA.

XU - Indicates a substance exempt from reporting under the Inventory Update Rule, i.e. Partial Updating of the TSCA Inventory Data Base Production and Site Reports (40 CFR 710(B)).

Y1 - Indicates an exempt polymer that has a number-average molecular weight of 1,000 or greater.

Y2 - Indicates an exempt polymer that is a polyester and is made only from reactants included in a specified list of low concern reactants that comprises one of the eligibility criteria for the exemption rule.

U.S. Federal Regulations

TSCA 12(b) Not applicable

SARA 313

Not applicable

SARA 311/312 Hazardous Categorization

Acute Health Hazard Yes

Chronic Health Hazard No

Fire Hazard Yes

Sudden Release of Pressure Hazard No

Reactive Hazard No

Clean Water Act

Not applicable

Clean Air Act

Not applicable

OSHA

Not applicable

CERCLA

Not Applicable

California Proposition 65

This product does not contain any Proposition 65 chemicals.

State Right-to-Know

Not applicable

U.S. Department of Transportation

Reportable Quantity (RQ): N

DOT Marine Pollutant N

DOT Severe Marine Pollutant N

U.S. Department of Homeland Security

This product does not contain any DHS chemicals.

Other International Regulations

Mexico - Grade No information available

Canada

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the

MSDS contains all the information required by the CPR.

WHMIS Hazard Class

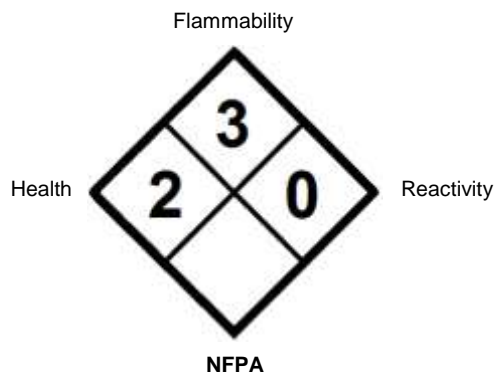
B4 Flammable solid

D1B Toxic materials

SECTION 16

Additional Information

Dimethylglyoxime



Revisions

	0.1	
11/17/2011	0	Revised to 16 sections LS

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