

# DM Healthcare Products, Inc.

## Material Safety Data Sheet

MSDS ID: H1262

Revised Date: 01/01/19  
Replaces Date: 02/20/15

### 1. General Information

Product Code: H1262  
Trade Name(s): Glycerol Dimethacrylate Phenyl Urethane  
Product Type: Dental Materials Resin  
Recommended Use:  
Restrictions: None identified

Company: DM Healthcare Products, Inc.  
10080 Willow Creek Rd.  
San Diego, CA 92131  
Telephone: 858-348-1122

Emergency phone number (spill, leak, fire, exposure or accident):  
US Domestic (800) 535-5053 (INFOTRAC) Includes Canada and Mexico  
International +1 (352) 323-3500  
China Specific (86) 400-120-0761  
Germany Specific (49) 0800-181-2924  
Australia Specific (61) 1-300-366-961

### 2. Hazards Identification

#### EMERGENCY OVERVIEW:

**GHS Classification** Eye Irritation (Category 2a)  
Specific target organ toxicity – single exposure (Category 3)

#### GHS Label Elements, including precautionary statements

Pictogram



Signal word WARNING

Hazard statement(s)  
H319 May cause eye irritation  
H335 May cause respiratory irritation

Precautionary statement(s)  
P261 Avoid breathing dust/mist/vapors/spray  
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

#### HMIS Classification

Health = 1  
Flammability = 1  
Physical = 0

#### NFPA Classification

Health = 1  
Fire = 1  
Reactivity = 0

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### POTENTIAL HEALTH EFFECTS:

**Inhalation:** May be harmful if inhaled. May cause respiratory tract irritation.

**Eyes:** May cause eye irritation.

**Skin:** Non-irritating to skin

**Ingestion:** May be harmful if swallowed.

### 3. Composition Information

COMPONENT	CAS#	CONCENTRATION
2-Propenoic acid, 2-methyl-, 1,1'-[2-[[[(phenylamino)carbonyl]oxy]-1,3-propanediyl] ester	1371570-15-8	> 90%
Glycerol Dimethacrylate	1830-78-0	< 2%

### 4. First Aid Measures

**SWALLOWING:** Do not induce vomiting. Give person large amounts of water. Get immediate medical attention.

**SKIN CONTACT:** Wash area with soap and water. Remove contaminated clothing and shoes. Wash or clean before reuse.

**INHALATION:** Remove person to fresh air. If breathing has stopped, perform artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

**EYE CONTACT:** Flush with water for 15 minutes. Get immediate medical attention.

#### NOTES TO PHYSICIAN:

**There is no specific antidote. Treatment of overexposure should be directed at the control of symptoms and the clinical condition of the patient.**

### 5. Fire and Explosion Hazard Data

**FLASH POINT (method):** > 200°C (392°F), (closed cup)

**EXTINGUISHER METHOD:** CO<sub>2</sub>, foam, dry chemical

#### SPECIAL FIRE-FIGHTING PROCEDURES:

Fire fighters should wear NIOSH/MSHA approved pressure demand self-contained breathing apparatus. Decontaminate or discard any clothing that may contain chemical residues.

#### UNUSUAL FIRE AND EXPLOSION HAZARDS:

Do not enter fire area without proper protection. See Section 10, Reactivity Data, for decomposition products possible. Fight fire from safe distance and protected location. Heat/impurities may increase temperature/build pressure/rupture closed containers, spreading fire, increasing risk of burns/injuries. Water may be ineffective in firefighting due to low solubility. Use water spray/fog for cooling. Pressure relief system may plug with solids, increasing risk of overpressure.

### 6. Accidental Release Measures

#### STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:

Wear personal protective equipment (clothing and gloves) when handling spilled materials. Promptly absorb spill. Remove sources of ignition.

#### PERSONAL PRECAUTIONS:

Wear suitable protective equipment.

#### ENVIRONMENTAL PRECAUTIONS:

Cover drains to prevent entry into waterways.

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### 7. Handling and Storage

**HANDLING:** Avoid contact with eyes.  
Keep container closed.  
Use with adequate ventilation.  
Wash thoroughly after handling.

**VENTILATION:** General (mechanical) room ventilation is expected to be satisfactory for use at room temperature. Special, local ventilation is recommended at points where vapors generated at high temperatures may be vented to the workplace air.

**STORAGE:** Store at 5°C away from incompatible materials identified in the *Stability and Reactivity Section*.

### 8. Exposure Controls and Personal Protection Measures

COMPONENT	EXPOSURE LIMITS		
	<u>ACGIH</u>	<u>OSHA</u>	<u>MFG Working Standard</u>
Modified urethane resin	not established	not established	not established

**PERSONAL PROTECTION:**

Respiratory: A respiratory protection program that meets OSHA's 29 CFR 1910.134 and ANSI Z88.2 requirements or European Standard EN 149 must be followed whenever workplace conditions warrant respirator use. If a respirator is used, a NIOSH/MSHA approved respirator with organic vapor/dust-mist fume filters represents the minimum level of respiratory protection.

Hands: Solvent impermeable gloves.

Eyes: Chemical safety goggles.

Skin: Chemical-resistant clothing.

**OTHER PROTECTIVE EQUIPMENT:**

Wear disposable protective clothing to facilitate recovery of any materials spilled.

**ENGINEERING CONTROLS:**

Ventilation:

Local Exhaust:

Fume hood at point of generation with sufficient exhaust to remove material from breathing zone.

**EXPOSURE LIMITS:**

None established by OSHA, ACGIH or UCC

### 9. Physical / Chemical Characteristics

**APPEARANCE:**

Physical State: Viscous liquid  
Color: Colorless to light pink  
Odor: No detectable odor

**OTHER PROPERTIES:**

Boiling Point: Not determined  
Melting Point: Not determined  
pH: Not determined  
Density (g/CC): Not determined  
Vapor Pressure (mmHg): Not determined  
Vapor Density (air=1): Not determined  
Solubility in water: Not determined  
Evaporation rate: Not determined  
Percent volatile (weight): Not determined

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### 10. Reactivity Hazard Data

**STABILITY:** Stable under recommended storage conditions  
**CONDITIONS TO AVOID:** Elevated temperatures in the presence of initiators  
**INCOMPATIBLE MATERIALS:** Can react with strong oxidizing agents, strong Lewis or mineral acid, free radical initiators, inert gasses, oxygen scavengers and strong mineral and organic bases, especially primary and secondary amines.

**HAZARDOUS DECOMPOSITION PRODUCTS:** Acrid smoke-fumes/carbon monoxide/carbon dioxide and perhaps other toxic vapors may be released during a fire involving this product.

**HAZARDOUS POLYMERIZATION:** May occur.

### 11. Toxicological Information

#### ACUTE TOXICITY:

**ORAL LD50:** No data available.  
**INHALATION LC50:** No data available  
**DERMAL LD50:** No data available

**Other information on acute toxicity:** No data available

**SKIN CORROSION/IRRITATION:** In a study conducted in accordance with ISO 10993-10 – Biological Evaluation of Medical Devices – Part 10, H1262 was assigned a Primary Irritation Index of 0.0 meaning it was a negligible source of irritation.

**SERIOUS EYE DAMAGE/ EYE IRRITATION:** No data available

**RESPIRATORY OF SKIN SENSITIZATION:** No data available

**GERM CELL MUTAGENICITY:** No data available

#### CARCINOGENICITY:

**IARC:** No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

**ACGIH:** No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by ACGIH.

**NTP:** No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by NTP.

**OSHA:** No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by OSHA.

**REPRODUCTIVE TOXICITY:** No data available

**TERATOGENICITY:** No data available

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### **SPECIFIC TARGET ORGAN TOXICITY – Single Exposure (Globally Harmonized System)**

Inhalation – May cause respiratory irritation.

### **SPECIFIC TARGET ORGAN TOXICITY – Repeated Exposure (Globally Harmonized System)**

No data available.

### **ASPIRATION HAZARD**

No data available.

### **POTENTIAL HEALTH EFFECTS:**

Inhalation: May be harmful if inhaled. May cause respiratory tract irritation.  
Ingestion: May be harmful if swallowed.  
Skin: Likely non-irritating to skin  
Eyes: May cause eye irritation.

### **SIGNS AND SYMPTOMS OF EXPOSURE:**

To the best of our knowledge, the chemical, physical and toxicological properties have not been thoroughly investigated.

### **SYNERGISTIC EFFECTS:**

No data available.

### **ADDITIONAL INFORMATION:**

RETCS: Not available

## **12. Ecological Information**

<b>TOXICITY:</b>	No data available.
<b>PERSISTENCE AND DEGRADABILITY:</b>	No data available.
<b>BIOACCUMULATIVE POTENTIAL:</b>	No data available.
<b>MOBILITY IN SOIL:</b>	No data available.
<b>PBT AND vPvB ASSESSMENT:</b>	No data available.
<b>OTHER ADVERSE EFFECTS:</b>	None established

## **13. Disposal Considerations**

**WASTE DISPOSAL METHOD:** Disposal should be in accordance with local, state or national legislation.

**EMPTY CONTAINER WARNINGS:** Empty containers may contain product residue, follow MSDS and label warnings even after they have been emptied.

## **14. Transport Information**

Not a hazardous material for transportation.

### **US DOT REGULATIONS:**

<b>NON-BULK</b>	Proper Shipping Name: Not regulated
<b>BULK</b>	Proper Shipping Name: Not regulated

This information is not intended to convey all specific regulatory or operational requirements/information relating to this product. Additional transportation system information can be obtained through an authorized safety officer. It is the responsibility of the transporting organization to follow all applicable laws, regulations and rules relating to the transportation of the material.

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### 15. Regulatory Information

**CALIFORNIA PROPOSITION 65:** This product contains the following chemicals that are known to the State of California to cause cancer, birth defects or other reproductive harm.

Component	CAS Number
None	

**TSCA INVENTORY STATUS:** Material is not listed nor exempt from listing on the TSCA inventory. As such this material is to be used for R&D purposes only by trained professionals only.

SARA 313 TOXIC CHEMICALS:	Component	CAS Number	Concentration
	None		

**R Phrases:** R 36/37 Irritating to eyes, respiratory system

**S Phrases:** S 26, 28 (soap and water), 36 wear suitable protective clothing

### 16. Other Information

Employers should use this information only as a supplement to other information gathered by them, and should make independent judgments of suitability of this information to ensure proper use and protect the health and safety of employees. This information is furnished without warranty, and any use of the product not in conformance with this Material Safety Data Sheet, or in combination with any other product or process, is the responsibility of the user. While that data contained herein is factual, it should not be taken as warranty or representation for which the company assumes legal responsibility. It is offered solely for your consideration, investigation and verification. Any use of this data and information must be determined by the user to be in accordance with applicable federal, state and local laws and regulations.