

DM Healthcare Products, Inc.

Safety Data Sheet

SDS ID: H1206

Revised Date: 01/01/19
Replaces Date: 09/11/17

1. General Information

Product Code: H1206
Trade Name(s): Pyromellitic dianhydride diglyceroldimethacrylate, 50% in acetone solution
Product Type:
Recommended Use: Dental Adhesion Promoter
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 in accordance with 29 CFR 1910 (OSHA HCS)

Highly Flammable Liquid and Vapor (Category 2), H225

Eye irritation (Category 2A), H319

Specific target organ toxicity - single exposure (Category 3), Central Nervous System,
H336

For the full text of the H-Statements mentioned in this Section, see Section 16.

GHS Label elements, including precautionary statements

Pictogram



Signal word

Danger

Hazard statement(s)

H225

Highly flammable liquid and vapor

H315

Causes skin irritation.

H317

May cause an allergic skin reaction (Category 1)

H319

Causes serious eye irritation.

H335

May cause respiratory irritation (Category 3).

Precautionary statement(s)

P210

Keep away from heat/sparks/open flames/hot surfaces – No smoking

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Hazards not otherwise classified (HNOC) or not covered by GHS - none

3. Composition Information

Mixtures

Synonyms:	PMGDM
Formula:	C ₃₁ H ₃₂ O ₁₇
Molecular weight:	676.58 g/mol
Synonym	Acetone
Formula	C3H6O
Molecular Weight	58.08 g/mol
CAS No.	67-64-1
EC-No.	200-662-2
Index No.	606-001-00-8
Registration Number	01-2119471330-49-XXXX

Hazardous components

Component	Classification	Concentration
Acetone		
CAS-No. 67-64-1	Flam. Liq. 2; Eye Irrit. 2A; STOT SE 3; H225. H319, H336	>= 45 - < 55 %

For the full text of the H-Statements mentioned in this Section, see Section 16.

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4. First Aid Measures

Description of first aid measures

General advice

Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area.

If inhaled

If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

In case of skin contact

Wash off with soap and plenty of water. Consult a physician.

In case of eye contact

Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

If swallowed

Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

Most important symptoms and effects, both acute and delayed

The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11

Indication of any immediate medical attention and special treatment needed No data available

5. Fire and Explosion Hazard Data

Extinguishing media

Suitable extinguishing media

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Special hazards arising from the substance or mixture No data available

Advice for firefighters

Wear self-contained breathing apparatus for firefighting if necessary.

Further information No data available

6. Accidental Release Measures

Personal precautions, protective equipment and emergency procedures

Use personal protective equipment. Avoid dust formation. Avoid breathing vapours, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas. Avoid breathing dust. For personal protection see section 8.

Environmental precautions

Do not let product enter drains.

Methods and materials for containment and cleaning up

Pick up and arrange disposal without creating dust. Sweep up and shovel. Keep in suitable, closed containers for disposal.

Reference to other sections For disposal see section 13.

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7. Handling and Storage

Precautions for safe handling

Avoid contact with skin and eyes. Avoid formation of dust and aerosols. Further processing of solid materials may result in the formation of combustible dusts. The potential for combustible dust formation should be taken into consideration before additional processing occurs.

Provide appropriate exhaust ventilation at places where dust is formed. For precautions see section 2.2.

Conditions for safe storage, including any incompatibilities Keep container tightly closed in a dry and well-ventilated place.
Hygroscopic. Air and moisture sensitive. Handle and store under inert gas.

Specific end use(s)

Apart from the uses mentioned in section 1.2 no other specific uses are stipulated

8. Exposure Controls and Personal Protection

Control parameters

Components with workplace control parameters

Contains no substances with occupational exposure limit values.

Hazardous components without workplace control parameters

Exposure controls

Appropriate engineering controls

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

Personal protective equipment

Eye/face protection

Safety glasses with side-shields conforming to EN166 Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Skin protection

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

Body Protection

Impervious clothing. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Respiratory protection

For nuisance exposures use type P95 (US) or type P1 (EU EN 143) particle respirator. For higher level protection use type OV/AG/P99 (US) or type ABEK-P2 (EU EN 143) respirator cartridges. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Control of environmental exposure Do not let product enter drains.

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9. Physical / Chemical Characteristics

Information on basic physical and chemical properties

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|-------------------------------------------------------|-------------------------------------------------------------|
| a) Appearance | Form: Low Viscosity Liquid
Color: Clear, slightly yellow |
| b) Odor | Characteristic, mint-like |
| c) Odor Threshold | 13 ppm (acetone) |
| d) pH | No data available |
| e) Melting point/freezing | No data available |
| f) Initial boiling point and | 56°C, 133°F @760 mm Hg |
| g) Flash point | No data available |
| h) Evaporation rate | No data available |
| i) Flammability (solid, gas) | No data available |
| j) Upper/lower
flammability or
explosive limits | No data available |
| k) Vapor pressure | 22 mmHg@20°C (Acetone) |
| l) Vapor density | 2.0 (Acetone) |
| m) Relative density | No data available |
| n) Water solubility | No data available |
| o) Partition coefficient: n-
octanol/water | No data available |
| p) Auto-ignition | No data available temperature |
| q) Decomposition | No data available temperature |
| r) Viscosity | No data available |
| s) Explosive properties | No data available |
| t) Oxidizing properties | No data available |

Other safety information No data available

10. Reactivity Hazard Data

Reactivity

Unstable/Reactive upon depletion of inhibitor.

Chemical stability

Stable under recommended storage conditions.

Contains the following stabilizer(s):

Mequinol (>=50 - <=200 ppm)

Possibility of hazardous reactions

No data available

Conditions to avoid

Heat, open flames, sparks, static electricity, other sources of ignition, sunlight, UV radiation, moisture, oxidizing conditions, freezing conditions, and inert gas blanketing.

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Incompatible materials

Contact with strong oxidizing agents, strong reducing agents, strong alkalis, or strong acids may cause fire and explosions. May attack some forms of plastics, rubbers and coatings, free radical initiators, inert gases and oxygen scavengers.

Hazardous decomposition products

Hazardous decomposition products formed under fire conditions. - Carbon oxides and perhaps other toxic vapors may be released during a fire involving this product. Other decomposition products - No data available

In the event of fire: see section 5

11. Toxicological Information

Information on toxicological effects

Acute toxicity

No data available

Inhalation: No data available

Dermal: No data available

No data available

Skin corrosion/irritation

No data available

Serious eye damage/eye irritation No data available

Respiratory or 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.

NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

Reproductive toxicity

No data available

No data available

Specific target organ toxicity - single exposure

No data available

Specific target organ toxicity - repeated exposure

No data available

Aspiration hazard

No data available

Additional Information

RTECS: Not available

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

Stomach - Irregularities - Based on Human Evidence (Mequinol)

12. Ecological Information

Toxicity

No data available

Persistence and degradability

No data available

Bioaccumulative potential

No data available

Mobility in soil

No data available

Results of PBT and vPvB

assessment

PBT/vPvB assessment not available as chemical safety assessment not required/not conducted

Other adverse effects

No data available

13. Disposal Considerations

Waste treatment methods

Product

Offer surplus and non-recyclable solutions to a licensed disposal company. Contact a licensed professional waste disposal service to dispose of this material.

Contaminated packaging

Dispose of as unused product.

14. Transport Information

DOT (US)

Not dangerous goods

IMDG

Not dangerous goods

IATA

Not dangerous goods

15. Regulatory Information

SARA 302 Components

No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 313 Components

This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

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SARA 311/312 Hazards
Acute Health Hazard

Massachusetts Right To Know Components

No components are subject to the Massachusetts Right to Know Act.

Pennsylvania Right To Know Components

	CAS-No.	Revision Date
Pyromellitic dianhydride diglyceroldimethacrylate	NA	

New Jersey Right To Know Components

California Prop. 65 Components

This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

16. Other Information

Full text of H-Statements referred to under sections 2 and 3.

Eye Irrit.	Eye irritation
H225	Highly Flammable liquid and vapor
H315	Causes skin irritation.
H317	May cause an allergic skin reaction
H319	Causes serious eye irritation.
H335	May cause respiratory irritation.
Skin Irrit.	Skin irritation
STOT SE	Specific target organ toxicity - single exposure

HMIS Rating

Health hazard:	2
Chronic Health Hazard:	
Flammability:	3
Physical Hazard	0

NFPA Rating

Health hazard:	2
Fire Hazard:	3
Reactivity Hazard:	0

Further information

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