

# Safety Data Sheet

## PermaCem2

Product code: 1060\_GHS)

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### SECTION 1: Identification of the substance/mixture and of the company/undertaking

#### 1.1. Product identifier

PermaCem2

#### 1.2. Relevant identified uses of the substance or mixture and uses advised against

#### 1.3. Details of the supplier of the safety data sheet

**Company Name:** DMG AMERICA LLC  
**Address:** 242 South Dean Street  
**City, State, Zip Code:** Englewood, NJ. 07631  
**Telephone:** (800) 662-6383  
**email address:** [Info@dmg-america.com](mailto:Info@dmg-america.com)  
**Website:** [www.dmg-america.com](http://www.dmg-america.com)

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

##### Classification according to Regulation (EC) No. 1272/2008 [CLP]

Hazard categories:

Organic peroxide: Org. Perox. B

Serious eye damage/eye irritation: Eye Dam. 1

Respiratory/skin sensitization: Skin Sens. 1

Hazard Statements:

May cause respiratory irritation.

Causes serious eye damage.

May cause an allergic skin reaction.

#### 2.2. Label elements

Signal word:

Danger

Pictograms:

GHS02-GHS05-GHS07



##### Hazard statements

H335 May cause respiratory irritation.  
H318 Causes serious eye damage.  
H317 May cause an allergic skin reaction.

##### Precautionary statements

P403+P233 Store in a well-ventilated place. Keep container tightly closed.  
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P302+P352 IF ON SKIN: Wash with plenty of water.  
P280 Wear protective gloves/protective clothing/eye protection/face protection.

### SECTION 3: Composition/information on ingredients

#### 3.2. Mixtures

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### Chemical characterization

chemical characterization (preparation): Acrylate.-resin. Silicon dioxide.

name	CAS	%
UDMA	n.a.	5 - 10
TEDMA	109-16-0	4 - 7
Bis-GMA	1565-94-2	< 2.5
BPO	94-36-0	< 2.5

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

#### After inhalation

Move victim to fresh air. Put victim at rest and keep warm.

#### After contact with skin

After contact with skin, wash immediately with: Water and soap.

#### After contact with eyes

In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

#### After ingestion

Immediately get medical attention.

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

#### Suitable extinguishing media

Water fog. Extinguishing powder. Sand. Foam. Carbon dioxide (CO<sub>2</sub>).

#### Unsuitable extinguishing media

High power water jet.

## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

Provide adequate ventilation. Wear suitable protective clothing.

### 6.2. Environmental precautions

Do not empty into drains or the aquatic environment.

### 6.3. Methods and material for containment and cleaning up

Collect mechanically.

Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents).

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

#### Advice on safe handling

Keep container tightly closed. Wear suitable protective clothing and gloves. Avoid contact with eyes.

### 7.2. Conditions for safe storage, including any incompatibilities

#### Requirements for storage rooms and vessels

Keep container tightly closed in a cool, well-ventilated place.

Store only in original container.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

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## 8.2. Exposure controls



### **Protective and hygiene measures**

Take off immediately all contaminated clothing. When using do not eat or drink.

### **Eye/face protection**

Tightly sealed safety glasses.

### **Hand protection**

Tested protective gloves are to be worn: Suitable material: NBR (Nitrile rubber).

### **Respiratory protection**

The following must be prevented: inhalation.

## **SECTION 9: Physical and chemical properties**

### 9.1. Information on basic physical and chemical properties

Physical state: Paste  
Colour: yellow  
Odour: like: ester

#### **Test method**

### **Changes in the physical state**

Initial boiling point and boiling range:	> 180 °C
Zersetzungspunkt:	> 180 °C
Flash point:	95 °C
Vapour pressure: (at 20 °C)	1 hPa
Density:	1,8 g/cm <sup>3</sup>
Water solubility: (at 20 °C)	60 g/L
Vapour density:	> 1

## **SECTION 10: Stability and reactivity**

### 10.4. Conditions to avoid

heat. Light.  
Decomposition takes place from temperatures above: 180 °C

### 10.5. Incompatible materials

Keep away from strong acids, leachates, heavy metal salts and reducing materials.

### 10.6. Hazardous decomposition products

Can be released in case of fire: Gas / vapours, irritant. (Acrylate., pungent)

## **SECTION 11: Toxicological information**

### 11.1. Information on toxicological effects

#### **Sensitising effects**

May cause sensitization by skin contact.

#### **Additional information on tests**

Contains Methacrylic esters.: May produce an allergic reaction.

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## SECTION 12: Ecological information

### 12.2. Persistence and degradability

Do not empty into drains or the aquatic environment. Leakage into the environment must be prevented.  
Preparation not tested.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

#### Advice on disposal

Can be burnt together with household waste in compliance with official regulations in contact with approved waste disposal companies and with authorities in charge.

Paste: Carry out a burning of hazardous waste according to official regulations.

#### Waste disposal number of waste from residues/unused products

180106 WASTES FROM HUMAN OR ANIMAL HEALTH CARE AND/OR RELATED RESEARCH (except kitchen and restaurant wastes not arising from immediate health care); wastes from natal care, diagnosis, treatment or prevention of disease in humans; chemicals consisting of or containing dangerous substances  
Classified as hazardous waste.

## SECTION 14: Transport information

### Other applicable information

Not a hazardous material with respect to these transportation regulations.

## SECTION 15: Regulatory information

### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

#### National regulatory information

Water contaminating class (D): 1 - slightly water contaminating

## SECTION 16: Other information

### Relevant H- and EUH-phrases (Number and full text)

H317 May cause an allergic skin reaction.  
H318 Causes serious eye damage.  
H335 May cause respiratory irritation.

### Further Information

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*The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.*