

# Safety Data Sheet

according to Regulation (EC) No 1907/2006

**IonositBaseliner**

Print date: 20.04.2016

Product code: 2210

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**SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1. Product identifier**

IonositBaseliner

**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 Chemisch-Pharmazeutische Fabrik GmbH	
Street:	Elbgaustraße 248	
Place:	D-22547 Hamburg	
Telephone:	+49. (0) 40. 84006-0	Telefax: +49. (0) 40. 84006-222
e-mail:	info@dmg-dental.com	
Internet:	www.dmg-dental.com	

**SECTION 2: Hazards identification****2.1. Classification of the substance or mixture****Classification according to Regulation (EC) No. 1272/2008 [CLP]**

Hazard categories:

Serious eye damage/eye irritation: Eye Dam. 1

Respiratory/skin sensitization: Skin Sens. 1

Hazard Statements:

Causes serious eye damage.

May cause an allergic skin reaction.

**2.2. Label elements**

Signal word:	Warning
Pictograms:	GHS07

**Hazard statements**

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

**Precautionary statements**

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****Chemical characterization**

methacrylate resin

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**Hazardous components**

EC No	Chemical name	Quantity
CAS No	Classification according to Directive 67/548/EEC	
Index No	Classification according to Regulation (EC) No. 1272/2008 [CLP]	
REACH No		
203-652-6	Tri-ethylenglycol-dimethacrylate (TEDMA)	9 - 11 %
109-16-0	R43	
	Skin Sens. 1B; H317	
01-2119969287-21		
	Bis-GMA	8 - 10 %
1565-94-2	Xi - Irritant R41-43	

Full text of R-, H- and EUH-phrases: see section 16.

**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**

Wear suitable protective clothing. Provide adequate ventilation.

**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.

**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**

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**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****PNEC values**

CAS No	Substance	Value
Environmental compartment		
109-16-0	Tri-ethylenglycol-dimethacrylate (TEDMA)	
Soil		

**8.2. Exposure controls****Appropriate engineering controls**

Ensure adequate ventilation of the storage area.

**Protective and hygiene measures**

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
pH-Value (at 20 °C):	3.5
<b>Changes in the physical state</b>	
point of decomposition:	> 200 °C
Flash point:	> 150 °C
Density:	1.3 g/cm <sup>3</sup>
Water solubility: (at 20 °C)	30 g/L
Vapour density:	> 1

**SECTION 10: Stability and reactivity**

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**10.4. Conditions to avoid**

Light. heat.  
Decomposition takes place from temperatures above: 200 °C  
Decomposition under formation of: Acrylate.

**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)

**Further information**

Substances sensitive to light.

**SECTION 11: Toxicological information****11.1. Information on toxicological effects****Acute toxicity**

LD50: Rat. 2000 mg/kg

CAS No	Chemical name				
	Exposure routes	Method	Dose	Species	Source
109-16-0	Tri-ethylenglycol-dimethacrylate (TEDMA)				
	oral	LD50	> 5000 mg/kg	rattus	
	dermal	LD50	> 2000 mg/kg	mus	

**Irritation and corrosivity**

Frequently or prolonged contact with skin may cause dermal irritation.  
Irritant effect on the eye:

**Sensitising effects**

May cause sensitization by skin contact.

**Additional information on tests**

Contains Methacrylic esters.: May produce an allergic reaction.

**SECTION 12: Ecological information****12.1. Toxicity**

CAS No	Chemical name					
	Aquatic toxicity	Method	Dose	[h]   [d]	Species	Source
109-16-0	Tri-ethylenglycol-dimethacrylate (TEDMA)					
	Acute fish toxicity	LC50	16,4 mg/l	96 h	pisc, indet.	OECD 203
	Acute algae toxicity	ErC50	> 100 mg/l	72 h	Pseudokirchneriella subcapitata	OECD 201
	Algae toxicity	NOEC	18,6 mg/l	3 d	Pseudokirchneriella subcapitata	
	Crustacea toxicity	NOEC	32 mg/l	21 d	daphnia magna	

**12.2. Persistence and degradability**

Preparation not tested.

**Further information**

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

**SECTION 13: Disposal considerations****13.1. Waste treatment methods**

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**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): 2 - water contaminating

**SECTION 16: Other information****Relevant R-phrases (Number and full text)**

41 Risk of serious damage to eyes.  
43 May cause sensitisation by skin contact.

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

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

**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.)*