

SAFETY DATA SHEETS

This SDS packet was issued with item:

073242229

N/A

Safety Data Sheet

according to Regulation (EC) No 1907/2006

Ionosit Microspand

Print date: 11.01.2013

Product code: 2210

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

Ionosit Microspand

Relevant identified uses of the substance or mixture and uses advised against**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**Classification of the substance or mixture**

Indications of danger : Irritant
R-phrases:
Irritating to eyes, respiratory system and skin.
May cause sensitization by skin contact.

Label elements

Danger symbols: Xi - Irritant



Xi - Irritant

Hazardous components which must be listed on the label

Methacrylic esters.

R phrases

36/37/38	Irritating to eyes, respiratory system and skin.
43	May cause sensitization by skin contact.

S phrases

26	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
28	After contact with skin, wash immediately with plenty of Water and soap. .
24/25	Avoid contact with skin and eyes.
37/39	Wear suitable gloves and eye/face protection.

SECTION 3: Composition/information on ingredients**Mixtures****Chemical characterization**

chemical characterization (preparation): Acrylate.-resin.
polycarboxylates

SECTION 4: First aid measures**Description of first aid measures****After inhalation**

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

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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**Extinguishing media****Suitable extinguishing media**Water fog. Extinguishing powder. Sand. Foam. Carbon dioxide (CO₂).**Extinguishing media which must not be used for safety reasons**

High power water jet.

SECTION 6: Accidental release measures**Personal precautions, protective equipment and emergency procedures**

Wear suitable protective clothing. Provide adequate ventilation.

Environmental precautions

Do not empty into drains or the aquatic environment.

Methods and material for containment and cleaning up

Collect mechanically.

SECTION 7: Handling and storage**Precautions for safe handling****Advice on safe handling**

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

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**Control parameters****Exposure controls****Occupational exposure controls**

Ensure adequate ventilation of the storage area.

Protective and hygiene measures

When using do not eat or drink.

Respiratory protection

The following must be prevented: inhalation.

Hand protection

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

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Eye protection

Tightly sealed safety glasses.

SECTION 9: Physical and chemical properties**Information on basic physical and chemical properties**

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

Test method

pH-Value (at 20 °C):	3.5
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Changes in the physical state

point of decomposition:	> 200 °C
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Flash point:	> 150 °C
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Density:	1.3 g/cm ³
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Water solubility: (at 20 °C)	30 g/L
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Vapour density:	> 1
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SECTION 10: Stability and reactivity**Conditions to avoid**

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

Incompatible materials

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

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**Information on toxicological effects****Acute toxicity**

LD50: Rat. 2000 mg/kg

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**Persistence and degradability**

Preparation not tested.

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Further information

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

SECTION 13: Disposal considerations**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**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**Full text of R-phrases referred to under sections 2 and 3**

36/37/38 Irritating to eyes, respiratory system and skin.

43 May cause sensitization by skin contact.

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.)

Safety Data Sheet

Ionosit-Baseliner

Product code: 210911, 223002 (2210_GHS)

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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 AMERICA LLC
Address: 242 South Dean Street
City, State, Zip Code: Englewood, NJ. 07631
Telephone: (800) 662-6383
email address: Info@dmg-america.com
Website: 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:

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 (CO₂).

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	
	Environmental compartment	Value
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
Changes in the physical state	
point of decomposition:	> 200 °C
Flash point:	> 150 °C
Density:	1.3 g/cm³
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 04/14/2016 of the sub-contractor's safety data sheet.