

## **SAFETY DATA SHEETS**

**This SDS packet was issued with item:**

073239415

**The safety data sheets (SDS) in this packet apply to one or more components included in the items listed below. Items listed below may require one or more SDS. Please refer to invoice for specific item number(s).**

073239407 073239423 073239431

ACTIO MSDS ID: 997869

View Section : 12345678910111213141516  
EC Directive Pictograms

SECTION 1: CHEMICAL PRODUCT and COMPANY IDENTIFICATION (N/A)

Product Name: Icon-Infiltrant

Distributor Name: DMG Chemisch-Pharmazeutische Fabrik GmbH  
Distributor Address: Elbgaustraße 248  
22547 Hamburg  
Germany

Fax: +49. (0) 40. 84006-222

Website:  
info@dmg-dental.com  
www.dmg-dental.com

Emergency contact: Infotrac-(800)535-5053  
Distributor Telephone: +49. (0) 40. 84006-0  
Revision Date: 23.04.2009  
Manufacturer Name: DMG, Chemisch-Pharmazeutische Fabrik GmbH  
Material Safety Data Sheet  
(EC 1907/2006)  
2600-21-03

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SECTION 2 : COMPOSITION, INFORMATION ON INGREDIENTS: (N/A)  
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Ingredient Name CAS# Ingredient Percent

Aliphatic dimethacrylates  
Hazardous: Yes  
EC Index Number: 1

Hazard Symbols:Xi  
Risk Phrases:R36/38, R43

Yellowish liquid. Preparation of acrylic resins.

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SECTION 3 : HAZARDS IDENTIFICATION: (N/A)  
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Potential Health Effects:None, if handled according to directions.  
Irritating to eyes and skin. May cause sensitization by skin

contact.

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SECTION 4 : FIRST AID MEASURES: (N/A)  
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Eye Contact:Rinse out with plenty of water for at least 10  
minutes with eyelid held wide open. Immediately call in  
ophthalmologist.

Skin Contact:Wash off with soap and plenty of water.  
Immediately remove contaminated clothing.

Inhalation:Fresh air. Call in physician.

Ingestion:Immediately call in physician.

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SECTION 5 : FIRE FIGHTING MEASURES: (N/A)  
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Extinguishing Media:Powder, sand, foam, carbon dioxide.

Unsuitable Media:Not suitable extinguishing media: Direct jet  
of water

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SECTION 6 : ACCIDENTAL RELEASE MEASURES: (N/A)  
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Personal Precautions: Avoid contact. Do not inhale vapours.  
Wear suitable protective clothing.  
Spill Cleanup Measures: Methods for cleaning up: Take up mechanically, with inert fluid-binding material.  
Environmental Precautions: Avoid pollution of water and sewage.

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SECTION 7 : HANDLING and STORAGE: (N/A)  
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Handling: Technical measures: Keep container tightly closed.  
Safe handling advice: Wear suitable gloves. Avoid contact with eyes.

Storage: Technical measures: No special precautions necessary.

Storage conditions: Keep container tightly closed. Keep container in a dark, well-ventilated place at +15 to 25 deg C.

Recommended packaging material: Container of glass.

Hygiene Practices: When using do not eat or drink.

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SECTION 8 : EXPOSURE CONTROLS, PERSONAL PROTECTION: (N/A)  
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Engineering Controls: Avoid splashing. Use only in well-ventilated areas.

Skin Protection Description: Rubber gloves. Suitable: Natural latex, layer thickness: 0.6 mm, breakthrough time: > 10 min

Hand Protection Description: Rubber gloves. Suitable: Natural latex, layer thickness: 0.6 mm, breakthrough time: > 10 min

Eye/Face Protection: Goggles.

Respiratory Protection: Requires when vapours/aerosols are generated filter E-(P2).

Special control parameter:

Aliphatic dimethacrylates. Danger of sensitization.

Hygiene measures: When using do not eat or drink.

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SECTION 9 : PHYSICAL and CHEMICAL PROPERTIES: (N/A)  
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Physical State/Appearance: Liquid

Color: Yellowish

Odor: Ester like

pH: Not applicable

Vapor Pressure: ca. 1,3 hPa/20 deg C

Flash Point:100 deg C  
Boiling Point:250 deg C  
Solubility:In Water: Miscible  
Density:ca. 1 g/cm<sup>3</sup>  
Ignition temperature: Not available.

Explosion properties: Not available.

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SECTION 10 : STABILITY and REACTIVITY: (N/A)  
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Conditions to Avoid:Strong heating, light.  
Incompatibilities with Other Materials:Materials to avoid:  
Free radicals, reducing agents, heavy metal ions, strong  
alkalines.  
Reactivity:Hazardous reactions: None, if handled and stored  
according to directions.  
Hazardous Decomposition Products:Thermal decomposition: No  
decomposition, if handled according to directions.

Hazardous decomposition products: In case of fire acrid  
acrylic fumes. Cures on exposure to visible or UV-light. Cures  
on exposure to free radicals.

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SECTION 11 : TOXICOLOGICAL INFORMATION: (N/A)  
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Aliphatic dimethacrylates :  
Eye Effect:Irritations.  
Skin Effects:Irritations. Risk of sensitization.  
Ingestion Effects:Acute toxicity:  
LD50 (oral, rat): > 2000 mg/kg

After swallowing: Irritation of the mucous membranes in the  
mouth, pharynx, oesophagus and gastrointestinal tract.  
Inhalation Effects:Irritation symptoms in the respiratory  
tract.  
Sensitization:May cause sensitization.

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SECTION 12 : ECOLOGICAL INFORMATION: (N/A)  
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Do not discharge into drains or the environment.

Mobility: No data available.

Persistence und degradability: No data available for the preparation.

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SECTION 13 : DISPOSAL CONSIDERATIONS: (N/A)  
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Waste Disposal:Waste from residues: Dispose to an authorised waste collection point. Use proper landfill disposal or incineration in accordance with local, state and federal regulations.

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SECTION 14 : TRANSPORT INFORMATION: (N/A)  
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Additional information: Not dangerous cargo.

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SECTION 15 : REGULATORY INFORMATION: (N/A)  
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Aliphatic dimethacrylates :  
Risk Phrases:36/38 - 43  
Irritating to eyes and skin. May cause sensitization by skin contact.  
Safety Phrase:26 - 28 - 36/37/39  
In case of contact with eyes rinse immediately with plenty of water and seek medical advice.  
After contact with skin wash immediately with plenty of water and soap. Wear suitable protective clothing, gloves and eye/face protection.  
Labelling according international regulations: Xi, Irritant.  
Contains methacrylic ester.

Symbols of danger: X

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SECTION 16 : ADDITIONAL INFORMATION: (N/A)  
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MSDS Revision Date:23.04.2009

Disclaimer:

The data given here is based on current knowledge and experience. The data does not signify any warranty with regard to the product's properties.

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**Safety Data Sheet**

according to Regulation (EC) No 1907/2006

**Icon-Infiltrant**

Print date: 03.07.2014

Product code: 2600\_GHS

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

Icon-Infiltrant

**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**

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

**GHS classification**

Hazard Statements:  
 May cause respiratory irritation.  
 Causes serious eye irritation.  
 Causes skin irritation.  
 May cause an allergic skin reaction.

**2.2. Label elements**

Signal word: Warning  
 Pictograms: GHS07

**Hazard statements**

H335	May cause respiratory irritation.
H319	Causes serious eye irritation.
H315	Causes skin irritation.
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 soap and water.

**SECTION 3: Composition/information on ingredients****3.2. Mixtures****Chemical characterization**

chemical characterization (preparation): Acrylate.-resin.



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**Icon-Infiltrant**

Print date: 03.07.2014

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**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>).**Extinguishing media which must not be used for safety reasons**

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. The following must be prevented: inhalation. skin contact.

**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****Requirements for storage rooms and vessels**

Ensure adequate ventilation of the storage area.

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

**Further information on storage conditions**

Store only in original container.

**SECTION 8: Exposure controls/personal protection****8.1. Control parameters****8.2. Exposure controls****Occupational exposure controls**

Ensure adequate ventilation of the storage area.

**Protective and hygiene measures**

When using do not eat or drink.

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**Respiratory protection**

The following must be prevented: inhalation.

**Hand protection**

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

**Eye protection**

Tightly sealed safety glasses.

**SECTION 9: Physical and chemical properties****9.1. Information on basic physical and chemical properties**

Physical state:	liquid
Colour:	colourless - yellow
Odour:	like: ester

**Test method**

pH-Value:	not applicable
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**Changes in the physical state**

point of decomposition:	> 250 °C
Flash point:	100 °C
Lower explosion limits:	not determined
Upper explosion limits:	not determined
Vapour pressure:	not determined
Density:	1 g/cm <sup>3</sup>
Water solubility:	miscible.

**SECTION 10: Stability and reactivity****10.4. Conditions to avoid**

Light. heat.  
Decomposition takes place from temperatures above: 200 °C

**10.5. Incompatible materials**

Reducing agents. radical former. heavy metals.

**10.6. Hazardous decomposition products**

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

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

Acute toxicity, oral (Rat.): LD50: > 5000 mg/kg  
Acute toxicity, dermal (Rabbit.): LD50: > 3000 mg/kg

**Irritation and corrosivity**

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

**Additional information on tests**

Contains Methacrylic esters.: May produce an allergic reaction.

**SECTION 12: Ecological information**

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**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****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****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 sensitisation by skin contact.

**Full text of H statements referred to under Sections 2 and 3**

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

H319 Causes serious eye irritation.

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.)*