

SAFETY DATA SHEETS

This SDS packet was issued with item:

073239407

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).

073239415 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)

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)

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)

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)

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)

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)

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)

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)

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/cm3
Ignition temperature: Not available.

Explosion properties: Not available.

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SECTION 10 : STABILITY and REACTIVITY: (N/A)

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)

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)

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)

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)

Additional information: Not dangerous cargo.

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SECTION 15 : REGULATORY INFORMATION: (N/A)

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)

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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according to Regulation (EC) No 1907/2006

IconInfiltrant

Print date: 20.04.2016

Product code: 2600

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

IconInfiltrant

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:

Skin corrosion/irritation: Skin Irrit. 2

Serious eye damage/eye irritation: Eye Irrit. 2

Respiratory/skin sensitization: Resp. Sens. 1B

Specific target organ toxicity - single exposure: STOT SE 3

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. |
| P501 | Waste disposal according to official state regulations. |
| P333+P313 | If skin irritation or rash occurs: Get medical advice/attention. |
| P363 | Wash contaminated clothing before reuse. |
| P280 | Wear protective gloves/protective clothing/eye protection/face protection. |
| P272 | Contaminated work clothing should not be allowed out of the workplace. |
| P261 | Avoid breathing dust/fume/gas/mist/vapours/spray. |

SECTION 3: Composition/information on ingredients

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3.2. Mixtures**Chemical characterization**

chemical characterization (preparation): Acrylate.-resin.

| name | CAS | % |
|------------------|------------|-------|
| TEDMA | 109-16-0 | 70-95 |
| Camphoro Quinone | 10373-78-1 | < 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 (CO₂).**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. 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

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8.1. Control parameters**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: | liquid |
| Colour: | colourless - yellow |
| Odour: | like: ester |

Test method

pH-Value: not applicable

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/cm³

Water solubility: miscible.

SECTION 10: Stability and reactivity**10.1. Reactivity**

Preparation not tested.

10.2. Chemical stabilityPreparation not tested.
Substances sensitive to light.**10.3. Possibility of hazardous reactions**Preparation not tested.
No risks worthy of mention.**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

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light.

SECTION 11: Toxicological information**11.1. Information on toxicological effects****Toxicokinetics, metabolism and distribution**

Preparation not tested.

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**12.1. Toxicity**

Preparation not tested.

12.2. Persistence and degradability

Preparation not tested.

12.3. Bioaccumulative potential

Preparation not tested.

12.4. Mobility in soil

Preparation not tested.

12.5. Results of PBT and vPvB assessment

Preparation not tested.

12.6. Other adverse effects

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.

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SECTION 15: Regulatory information**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****National regulatory information****15.2. Chemical safety assessment**

For this substance a chemical safety assessment has not been carried out.

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

| | |
|------|--------------------------------------|
| 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.)