

Safety Data Sheet

according to Regulation (EC) No 1907/2006

2240

Print date: 24.03.2015

Product code: 2240_GHS_CAS

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

1.1. Product identifier

2240

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:	indigodental GmbH	
Street:	Fahltskamp 5	
Place:	D-25421 Pinneberg	
Telephone:	+49 (0) 41 01 86 86 8-0	Telefax: +49 (0) 41 01 86 86 7-0
e-mail:	info@indigodental.com	
Internet:	www.indigodental.com	

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Indications of danger: Xn - Harmful, Xi - Irritant
 R phrases:
 Harmful by inhalation, in contact with skin and if swallowed.
 Irritating to eyes, respiratory system and skin.
 Risk of serious damage to eyes.
 May cause sensitisation by skin contact.

GHS classification

Hazard Statements:
 Harmful if swallowed.
 May cause respiratory irritation.
 Causes serious eye damage.
 Causes skin irritation.
 May cause an allergic skin reaction.

2.2. Label elements

Signal word: Warning
 Pictograms: GHS05-GHS07



Hazard statements

H302	Harmful if swallowed.
H335	May cause respiratory irritation.
H318	Causes serious eye damage.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.

Precautionary statements

P333+P313	If skin irritation or rash occurs: Get medical advice/attention.
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.
P280	Wear protective gloves/protective clothing/eye protection/face protection.

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SECTION 3: Composition/information on ingredients

3.2. Mixtures

Chemical characterization

chemical characterization (preparation): Acrylate.-resin.

Hazardous components

EC No	Chemical name	Quantity
CAS No	Classification	
Index No	GHS classification	
REACH No		
	Bis-GMA	35 - 40 %
1565-94-2	Xi - Irritant R41-43	
	Dimethacrylate Resin	15 - 20 %
41637-38-1	Xi - Irritant R36/37/38-43	

Full text of R and H 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

Consult physician.

SECTION 5: Firefighting measures

5.1. 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

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

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7.1. Precautions for safe handling

Advice on safe handling

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

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

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

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.2. Exposure controls



Occupational exposure controls

Provide adequate ventilation.

Protective and hygiene measures

Change contaminated clothing.

Respiratory protection

The following must be prevented: inhalation. Filter respirator (full mask or mouth-piece) with filter: A

Hand protection

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

Eye protection

Tightly sealed safety glasses.

Skin protection

When using do not eat or drink.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state: liquid
Colour: yellow
Odour: ester

pH-Value: 3,5

Changes in the physical state

Boiling point: 200 °C
Temperature of decomposition: 60 °C
Flash point: 125 °C

Explosive properties

not determined

Vapour pressure: 1 hPa

Density: 1,1 g/cm³

Water solubility: 100 g/L
(at 20 °C)

Test method

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Vapour density:

> 1

SECTION 10: Stability and reactivity

10.4. Conditions to avoid

heat.

Decomposition takes place from temperatures above: 60 °C

10.5. Incompatible materials

radical former. 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

Acute toxicity

LD50: Rat. 1.000 mg/kg

Irritation and corrosivity

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

Irritant effect on the eye: irritant. Risk of serious damage to eyes.

Additional information on tests

Contains Methacrylic esters.: May produce an allergic reaction.

SECTION 12: Ecological information

12.2. Persistence and degradability

No data available

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 .

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

Full text of R phrases referred to under Sections 2 and 3

20/21/22 Harmful by inhalation, in contact with skin and if swallowed.

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- 36/37/38 Irritating to eyes, respiratory system and skin.
41 Risk of serious damage to eyes.
43 May cause sensitisation by skin contact.

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

- H302 Harmful if swallowed.
H315 Causes skin irritation.
H317 May cause an allergic skin reaction.
H318 Causes serious eye damage.
H335 May cause respiratory irritation.

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