

# Safety Data Sheet

according to Regulation (EC) No 1907/2006

**2225**

Revision date: 15.04.2020

Product code: 2225

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

### 1.1. Product identifier

2225

### 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

#### Regulation (EC) No. 1272/2008

Hazard categories:

Organic peroxide: Org. Perox. B

Serious eye damage/eye irritation: Eye Dam. 1

Respiratory or skin sensitisation: Skin Sens. 1

Hazard Statements:

Causes skin irritation.

May cause an allergic skin reaction.

Causes serious eye irritation.

### 2.2. Label elements

#### Regulation (EC) No. 1272/2008

#### Hazard components for labelling

2-hydroxyethyl methacrylate

dibenzoyl peroxide; benzoyl peroxide

Signal word: Warning

Pictograms:



#### Hazard statements

H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.

#### Precautionary statements

P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
P264	Wash ... thoroughly after handling.
P272	Contaminated work clothing should not be allowed out of the workplace.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P302+P352	IF ON SKIN: Wash with plenty of water.
P321	Specific treatment (see ... on this label).
P333+P313	If skin irritation or rash occurs: Get medical advice/attention.
P362+P364	Take off contaminated clothing and wash it before reuse.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337+P313	If eye irritation persists: Get medical advice/attention.

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Dispose of contents/container to ....

**2.3. Other hazards**

Irritating to eyes, respiratory system and skin.  
May cause sensitization by skin contact.

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

chemical characterization (preparation): Acrylate.-resin.

**Hazardous components**

CAS No	Chemical name			Quantity
	EC No	Index No	REACH No	
	GHS Classification			
868-77-9	2-hydroxyethyl methacrylate			35 - 50 %
	212-782-2	607-124-00-X		
	Skin Irrit. 2, Eye Irrit. 2, Skin Sens. 1; H315 H319 H317			
1565-94-2	Bis-GMA			40 - 50 %
	Skin Irrit. 2, Eye Irrit. 2, Skin Sens. 1, STOT SE 3; H315 H319 H317 H335			
94-36-0	dibenzoyl peroxide; benzoyl peroxide			< 3 %
	202-327-6	617-008-00-0		
	Org. Perox. B, Eye Irrit. 2, Skin Sens. 1; H241 H319 H317			

Full text of H and EUH statements: 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**

Medical treatment necessary.

**SECTION 5: Firefighting measures****5.1. Extinguishing media****Suitable extinguishing media**Water spray jet, Extinguishing powder, Sand, Foam, Carbon dioxide (CO<sub>2</sub>)**Unsuitable extinguishing media**

Full water jet

**5.2. Special hazards arising from the substance or mixture**

In case of fire and/or explosion do not breathe fumes.

**SECTION 6: Accidental release measures****6.1. Personal precautions, protective equipment and emergency procedures**

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Remove all sources of ignition.

## **6.2. Environmental precautions**

Do not allow to enter into surface water or drains.

## **6.3. Methods and material for containment and cleaning up**

Take up mechanically.

Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents).

## **SECTION 7: Handling and storage**

### **7.1. Precautions for safe handling**

#### **Advice on safe handling**

Use only in well-ventilated areas. Keep away from sources of ignition - No smoking.

#### **Advice on protection against fire and explosion**

Take precautionary measures against static discharges.

### **7.2. Conditions for safe storage, including any incompatibilities**

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

Keep container tightly closed and in a well-ventilated place.

## **SECTION 8: Exposure controls/personal protection**

### **8.1. Control parameters**

#### **Exposure limits (EH40)**

CAS No	Substance	ppm	mg/m <sup>3</sup>	fibres/ml	Category	Origin
94-36-0	Dibenzoyl peroxide	-	5		TWA (8 h)	WEL

### **8.2. Exposure controls**



#### **Protective and hygiene measures**

Take off immediately all contaminated clothing. 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: yellow  
 Odour: like: ester  
 pH-Value: < 7

#### **Changes in the physical state**

Melting point: Preparation not tested.  
 Initial boiling point and boiling range: 100 °C

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point of decomposition:	> 200 °C
Flash point:	Preparation not tested.
Lower explosion limits:	Preparation not tested.
Upper explosion limits:	Preparation not tested.
Vapour pressure: (at 20 °C)	Preparation not tested.
Density:	Preparation not tested.
Water solubility:	Preparation not tested.

## SECTION 10: Stability and reactivity

### 10.4. Conditions to avoid

heat. Light.

### 10.5. Incompatible materials

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

### 10.6. Hazardous decomposition products

In case of fire may be liberated: Gas / vapours, irritant. (Acrylate., pungent)

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

#### Toxicokinetics, metabolism and distribution

Preparation not tested.

#### Acute toxicity

Acute toxicity, oral (Rat). LD50:: > 3700 mg/kg

CAS No	Chemical name				
	Exposure route	Dose	Species	Source	Method
868-77-9	2-hydroxyethyl methacrylate				
	oral	LD50 mg/kg	5050	Rat	
1565-94-2	Bis-GMA				
	oral	LD50 mg/kg	5000	Rat	literature value

#### Irritation and corrosivity

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

Frequently or prolonged contact with skin may cause dermal irritation.

#### Additional information on tests

Contains Methacrylates: May produce an allergic reaction. May cause sensitization by skin contact.

## SECTION 12: Ecological information

### 12.1. Toxicity

Product is partially biodegradable. > 50 %

Acute fish toxicity LC50: >230 mg / l / 96 h

CAS No	Chemical name					
	Aquatic toxicity	Dose	[h]   [d]	Species	Source	Method
868-77-9	2-hydroxyethyl methacrylate					
	Acute fish toxicity	LC50	227 mg/l	96 h	Pimephales promelas	

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**12.3. Bioaccumulative potential****Partition coefficient n-octanol/water**

CAS No	Chemical name	Log Pow
868-77-9	2-hydroxyethyl methacrylate	0,47

**Further information**

Do not allow to enter into surface water or drains.

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

Can be burnt together with household waste in compliance with official regulations in contact with approved waste disposal companies and with authorities in charge.

Carry out a burning of hazardous waste according to official regulations.

**List of Wastes Code - 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 hazardous substances; hazardous waste

**SECTION 14: Transport information****Other applicable information**

No dangerous good in sense of these transport regulations.

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

Water hazard class (D): 3 - strongly hazardous to water

**SECTION 16: Other information****Relevant H and EUH statements (number and full text)**

H241 Heating may cause a fire or explosion.  
 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.)*