

# Safety Data Sheet

according to Regulation (EC) No 1907/2006

**4500**

Revision date: 13.04.2016

Product code: 4500

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

### 1.1. Product identifier

4500

### 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:

Hazardous to the aquatic environment: Aquatic Acute 1

Hazardous to the aquatic environment: Aquatic Chronic 1

Hazard Statements:

Very toxic to aquatic life.

Very toxic to aquatic life with long lasting effects .

### 2.2. Label elements

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

Signal word: Warning

Pictograms:



#### Hazard statements

H400 Very toxic to aquatic life.

H410 Very toxic to aquatic life with long lasting effects .

#### Precautionary statements

P501 Dispose of waste according to applicable legislation.

P391 Collect spillage.

P273 Avoid release to the environment.

## SECTION 3: Composition/information on ingredients

### 3.2. Mixtures

#### Chemical characterization

chemical characterization (preparation): ZnO, Fatty acid.

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**Hazardous components**

CAS No	Chemical name			Quantity
	EC No	Index No	REACH No	
	GHS Classification			
1314-13-2	zinc oxide			65 - 70 %
	215-222-5	030-013-00-7		
	Aquatic Acute 1, Aquatic Chronic 1; H400 H410			

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**

Call a physician immediately.

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

**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.

**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**

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

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:	Paste	
Colour:	brown / white	
pH-Value:		not applicable
<b>Changes in the physical state</b>		
Initial boiling point and boiling range:		> 200 °C
point of decomposition:		> 130 °C
Flash point:		> 110 °C
Ignition temperature:		> 300 °C
Vapour pressure:		< 1 hPa
(at 20 °C)		
Density:		2,3 g/cm <sup>3</sup>
Water solubility:		slightly soluble
Vapour density:		> 1

## SECTION 10: Stability and reactivity

### 10.4. Conditions to avoid

heat.

Decomposition takes place from temperatures above: 130 °C

### 10.5. Incompatible materials

Keep in a cool place away from acids.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

#### Acute toxicity

LD50: Rat 2000 mg/kg

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CAS No	Chemical name				
	Exposure route	Dose	Species	Source	Method
1314-13-2	zinc oxide				
	oral	LD50 mg/kg	> 5000	Rat	IUCLID

## Irritation and corrosivity

Frequently or prolonged contact with skin may cause dermal irritation.

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

## SECTION 12: Ecological information

### 12.2. Persistence and degradability

Preparation not tested.

### Further information

Do not allow to enter into surface water or drains. Leakage into the environment must be prevented.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

#### Disposal recommendations

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

### Land transport (ADR/RID)

#### 14.1. UN number:

UN 3077

#### 14.2. UN proper shipping name:

ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Zinc Oxide, ZnO)

#### 14.3. Transport hazard class(es):

9

#### 14.4. Packing group:

III

Hazard label:

9



Classification code:

M7

Special Provisions:

274 335 601

Limited quantity:

5 kg

Transport category:

3

Hazard No:

90

Tunnel restriction code:

E

#### Other applicable information (land transport)

E1

### Marine transport (IMDG)

#### 14.1. UN number:

UN 3077

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**14.2. UN proper shipping name:** ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Zinc Oxide, ZnO)

**14.3. Transport hazard class(es):** 9

**14.4. Packing group:** III

Hazard label: 9



Special Provisions: 274, 335

Limited quantity: 5 kg

EmS: F-A, S-F

**Other applicable information (marine transport)**

E1

**Air transport (ICAO-TI/IATA-DGR)**

**14.1. UN number:** UN 3077

**14.2. UN proper shipping name:** ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Zinc Oxide, ZnO)

**14.3. Transport hazard class(es):** 9

**14.4. Packing group:** III

Hazard label: 9



Special Provisions: A97 A158 A179

Limited quantity Passenger: 30 kg G

IATA-packing instructions - Passenger: 956

IATA-max. quantity - Passenger: 400 kg

IATA-packing instructions - Cargo: 956

IATA-max. quantity - Cargo: 400 kg

**Other applicable information (air transport)**

E1

: Y956

**14.5. Environmental hazards**

ENVIRONMENTALLY HAZARDOUS: yes



### 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)**

H400 Very toxic to aquatic life.

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H410

Very toxic to aquatic life with long lasting effects.

### 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.)*