

**Safety Data Sheet**

according to Regulation (EC) No 1907/2006

**5100**

Revision date: 24.01.2020

Product code: 5100

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

5100

**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:

Flammable liquid: Flam. Liq. 2

Serious eye damage/eye irritation: Eye Irrit. 2

Specific target organ toxicity - single exposure: STOT SE 3

Hazard Statements:

Highly flammable liquid and vapour.

Causes serious eye irritation.

May cause drowsiness or dizziness.

**2.2. Label elements****Regulation (EC) No. 1272/2008****Hazard components for labelling**

ethyl acetate

Signal word: Danger

Pictograms:

**Hazard statements**

H225 Highly flammable liquid and vapour.

H319 Causes serious eye irritation.

H336 May cause drowsiness or dizziness.

**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.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P261 Avoid breathing dust/fume/gas/mist/vapours/spray.

P240 Ground and bond container and receiving equipment.

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

**Special labelling of certain mixtures**

EUH066 Repeated exposure may cause skin dryness or cracking.

**SECTION 3: Composition/information on ingredients**

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## 3.2. Mixtures

### Chemical characterization

chemical characterization (preparation): Prepolymer(s). ethyl acetate.

### Hazardous components

CAS No	Chemical name			Quantity
	EC No	Index No	REACH No	
	GHS Classification			
141-78-6	ethyl acetate			< 97 %
	205-500-4	607-022-00-5		
	Flam. Liq. 2, Eye Irrit. 2, STOT SE 3; H225 H319 H336 EUH066			

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 fog. Extinguishing powder. Sand. Foam. Carbon dioxide (CO<sub>2</sub>).

#### Unsuitable extinguishing media

High power water jet.

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

Formation of explosive mixtures with: Air.

## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

Remove all sources of ignition. Provide adequate ventilation.

### 6.2. Environmental precautions

Do not allow to enter into surface water or drains.

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

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

Keep away from sources of ignition - No smoking. Take precautionary measures against static discharges. Use explosion-proof machinery, apparatus, ventilation facilities, tools etc.

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## Further information on handling

Wear suitable gloves. Avoid contact with eyes.

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

### Requirements for storage rooms and vessels

Keep only in the original container in a cool, 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
141-78-6	Ethyl acetate	200	-		TWA (8 h)	WEL
		400	-		STEL (15 min)	WEL

#### Additional advice on limit values

MAK 400 ppm (ethyl acetate.)

### 8.2. Exposure controls



#### Appropriate engineering controls

Provide adequate ventilation.

#### Eye/face protection

Tightly sealed safety glasses.

#### Hand protection

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

#### Skin protection

When using do not eat or drink.

#### Respiratory protection

Do not breathe gas/vapour. Filtering device (full mask or mouthpiece) with filter: A

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

Physical state:	liquid	
Colour:	yellow	
Odour:	characteristic	
pH-Value (at 20 °C):		7

#### Changes in the physical state

Initial boiling point and boiling range:	> 80 °C
Flash point:	Mixture not tested.
Lower explosion limits:	2,0 vol. %
Upper explosion limits:	11,5 vol. %
Ignition temperature:	> 460 °C
Vapour pressure:	100 hPa

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Density: 0,9 g/cm<sup>3</sup>  
Water solubility: 80 g/L  
Vapour density: > 1

## SECTION 10: Stability and reactivity

### 10.4. Conditions to avoid

heat.

Decomposition takes place from temperatures above: 80°C (boiling temperature / boiling range)

### 10.5. Incompatible materials

Oxidizing agents. peroxides. acid.

### 10.6. Hazardous decomposition products

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

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

#### Acute toxicity

LD50: Rat 5000 mg/kg

#### Irritation and corrosivity

Irritant effect on the skin: prolonged action.

Irritant effect on the eye: irritant.

## SECTION 12: Ecological information

### 12.1. Toxicity

Acute fish toxicity LC50: &gt; 333 mg/l/48h (ethyl acetate.)

### 12.2. Persistence and degradability

Product is biodegradable. (ethyl acetate.)

## 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.

#### 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 hazardous substances; hazardous waste

## SECTION 14: Transport information

### Land transport (ADR/RID)

14.1. UN number: UN 1173  
14.2. UN proper shipping name: ETHYL ACETATE  
14.3. Transport hazard class(es): 3  
14.4. Packing group: II  
Hazard label: 3

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Classification code: F1  
 Limited quantity: 1 L  
 Transport category: 2  
 Hazard No: 33  
 Tunnel restriction code: D/E

**Other applicable information (land transport)**

E2

**Marine transport (IMDG)**

**14.1. UN number:** UN 1173  
**14.2. UN proper shipping name:** ETHYL ACETATE  
**14.3. Transport hazard class(es):** 3  
**14.4. Packing group:** II  
 Hazard label: 3



Special Provisions: -  
 Limited quantity: 1 L  
 EmS: F-E, S-D

**Other applicable information (marine transport)**

E2

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

**14.1. UN number:** UN 1173  
**14.2. UN proper shipping name:** ETHYL ACETATE  
**14.3. Transport hazard class(es):** 3  
**14.4. Packing group:** II  
 Hazard label: 3



Limited quantity Passenger: 1 L  
 IATA-packing instructions - Passenger: 353  
 IATA-max. quantity - Passenger: 5 L  
 IATA-packing instructions - Cargo: 364  
 IATA-max. quantity - Cargo: 60 L

**Other applicable information (air transport)**

E2

: Y341

**14.5. Environmental hazards**

ENVIRONMENTALLY HAZARDOUS: no

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

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Water contaminating class (D): 1 - slightly water contaminating

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

H225	Highly flammable liquid and vapour.
H319	Causes serious eye irritation.
H336	May cause drowsiness or dizziness.
EUH066	Repeated exposure may cause skin dryness or cracking.

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