

## Safety Data Sheet

according to Regulation (EC) No 1907/2006

### JUST INK Emerald

Revision date: 20.01.2022

Product code: 27648

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

### 1.1. Product identifier

JUST INK Emerald

### 1.2. Relevant identified uses of the substance or mixture and uses advised against

#### Use of the substance/mixture

Intradermal application

#### Uses advised against

permanent make-up

### 1.3. Details of the supplier of the safety data sheet

Company name: JUST INK Distribution GmbH

Street: Am Kirchenhöhl 15

Place: D-82166 Gräfelfing

Telephone: +49 89 1250 1450 7

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## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

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

This mixture is not classified as hazardous in accordance with Regulation (EC) No. 1272/2008.

### 2.2. Label elements

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

#### Hazard components for labelling

No label required according to 1999/45/EC, annex V B, No. 9.

#### Special labelling of certain mixtures

EUH210 Safety data sheet available on request.

### 2.3. Other hazards

No risks worthy of mention. Please observe the information on the safety data sheet at all times.

## SECTION 3: Composition/information on ingredients

### 3.2. Mixtures

#### Hazardous components

CAS No	Chemical name			Quantity
	EC No	Index No	REACH No	
	GHS Classification			
100-51-6	benzyl alcohol			1 - < 5 %
	202-859-9	603-057-00-5		
	Acute Tox. 4, Acute Tox. 4; H332 H302			

Full text of H and EUH statements: see section 16.

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**Specific Conc. Limits, M-factors and ATE**

CAS No	EC No	Chemical name	Quantity
		Specific Conc. Limits, M-factors and ATE	
100-51-6	202-859-9	benzyl alcohol	1 - < 5 %
		inhalation: ATE = 11 mg/l (vapours); inhalation: ATE = 1,5 mg/l (dusts or mists); oral: LD50 = 1230 mg/kg	

**SECTION 4: First aid measures****4.1. Description of first aid measures****General information**

In case of allergic symptoms, especially in the breathing area, seek medical advice immediately.

**After inhalation**

Provide fresh air.

**After contact with skin**

Wash with plenty of water. Take off contaminated clothing and wash it before reuse.

**After contact with eyes**

Rinse immediately carefully and thoroughly with eye-bath or water.

**After ingestion**

Rinse mouth immediately and drink plenty of water.

**4.2. Most important symptoms and effects, both acute and delayed**

Allergic anaphylactic shock.

**4.3. Indication of any immediate medical attention and special treatment needed**

Treat symptomatically. Regulation of the blood circulation, possible shock treatment.

**SECTION 5: Firefighting measures****5.1. Extinguishing media****Suitable extinguishing media**

Co-ordinate fire-fighting measures to the fire surroundings.

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

Non-flammable. Vapours can form explosive mixtures with air. No risks worthy of mention. Please observe the information on the safety data sheet at all times.

**5.3. Advice for firefighters**

In case of fire: Wear self-contained breathing apparatus.

**Additional information**

Use water spray jet to protect personnel and to cool endangered containers. Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

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

none

**6.2. Environmental precautions**

Do not allow to enter into surface water or drains.

**6.3. Methods and material for containment and cleaning up****Other information**

Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents). Treat the recovered material as prescribed in the section on waste disposal.

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### 6.4. Reference to other sections

Safe handling: see section 7

Personal protection equipment: see section 8

Disposal: see section 13 No special environmental protection measures are necessary.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

#### Advice on safe handling

No special technical protective measures are necessary.

#### Advice on protection against fire and explosion

Non-combustible liquids

#### Further information on handling

No special handling advices are necessary.

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

#### Requirements for storage rooms and vessels

Keep container tightly closed. storage temperature: 5°C - 35°C

#### Hints on joint storage

No special measures are necessary.

### 7.3. Specific end use(s)

Observe instructions for use.

## 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
78-93-3	Butan-2-one (methyl ethyl ketone)	200	600		TWA (8 h)	WEL
		300	899		STEL (15 min)	WEL
1333-86-4	Carbon black	-	3.5		TWA (8 h)	WEL
		-	7		STEL (15 min)	WEL
64-17-5	Ethanol	1000	1920		TWA (8 h)	WEL
56-81-5	Glycerol, mist	-	10		TWA (8 h)	WEL
57-55-6	Propane-1,2-diol, particulates	-	10		TWA (8 h)	WEL
13463-67-7	Titanium dioxide, respirable	-	4		TWA (8 h)	WEL

#### Biological Monitoring Guidance Values (EH40)

CAS No	Substance	Parameter	Value	Test material	Sampling time
78-93-3	Butan-2-one	butan-2-one	70 µmol/L	urine	Post shift

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#### DNEL/DMEL values

CAS No	Substance	Exposure route	Effect	Value
56-81-5	Glycerin 99,5% PH, EUR, USP			
Consumer DNEL, long-term	oral	systemic	229 mg/kg bw/day	
Worker DNEL, long-term	inhalation	local	220 mg/m <sup>3</sup>	
Consumer DNEL, long-term	inhalation	local	132 mg/m <sup>3</sup>	
57-55-6	Propylenglycol-1,2			
Worker DNEL, long-term	inhalation	systemic	168 mg/m <sup>3</sup>	
Worker DNEL, long-term	inhalation	local	10 mg/m <sup>3</sup>	
Consumer DNEL, long-term	inhalation	systemic	50 mg/m <sup>3</sup>	
Consumer DNEL, long-term	inhalation	local	10 mg/m <sup>3</sup>	
64-17-5	ethanol; ethyl alcohol			
Worker DNEL, long-term	inhalation	systemic	950 mg/m <sup>3</sup>	
Worker DNEL, long-term	dermal	systemic	343 mg/kg bw/day	
Consumer DNEL, long-term	inhalation	systemic	114 mg/m <sup>3</sup>	
Consumer DNEL, long-term	dermal	systemic	206 mg/kg bw/day	
Consumer DNEL, long-term	oral	systemic	87 mg/kg bw/day	
1333-86-4	CI 77266 - Pigment Black 7			
Worker DNEL, long-term	inhalation	systemic	1 mg/m <sup>3</sup>	
Consumer DNEL, long-term	inhalation	systemic	0,06 mg/m <sup>3</sup>	
78-93-3	butanone; ethyl methyl ketone			
Worker DNEL, long-term	inhalation	systemic	600 mg/m <sup>3</sup>	
Worker DNEL, long-term	dermal	systemic	1161 mg/kg bw/day	
Consumer DNEL, long-term	inhalation	systemic	106 mg/m <sup>3</sup>	
Consumer DNEL, long-term	dermal	systemic	412 mg/kg bw/day	
Consumer DNEL, long-term	oral	systemic	31 mg/kg bw/day	

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#### PNEC values

CAS No	Substance	
Environmental compartment		Value
56-81-5	Glycerin 99,5% PH, EUR, USP	
Freshwater		0,885 mg/l
Freshwater (intermittent releases)		8,85 mg/l
Marine water		0,088 mg/l
Freshwater sediment		3,3 mg/kg
Marine sediment		0,33 mg/kg
Micro-organisms in sewage treatment plants (STP)		1000 mg/l
Soil		0,141 mg/kg
57-55-6	Propylenglycol-1,2	
Freshwater		260 mg/l
Freshwater (intermittent releases)		183 mg/l
Marine water		26 mg/l
Freshwater sediment		572 mg/kg
Marine sediment		57,2 mg/kg
Micro-organisms in sewage treatment plants (STP)		20000 mg/l
Soil		50 mg/kg
64-17-5	ethanol; ethyl alcohol	
Freshwater		0,96 mg/l
Freshwater (intermittent releases)		2,75 mg/l
Marine water		0,79 mg/l
Freshwater sediment		3,6 mg/kg
Marine sediment		2,9 mg/kg
Secondary poisoning		380 mg/kg
Micro-organisms in sewage treatment plants (STP)		580 mg/l
Soil		0,63 mg/kg
1333-86-4	CI 77266 - Pigment Black 7	
Freshwater		50 mg/l
78-93-3	butanone; ethyl methyl ketone	
Freshwater		55,8 mg/l
Freshwater (intermittent releases)		55,8 mg/l
Marine water		55,8 mg/l
Freshwater sediment		284,74 mg/kg
Marine sediment		284,7 mg/kg
Secondary poisoning		1000 mg/kg
Micro-organisms in sewage treatment plants (STP)		709 mg/l
Soil		22,5 mg/kg

#### Additional advice on limit values

Does not contain substances above concentration limits fixing an occupational exposure limit.

#### 8.2. Exposure controls

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#### Appropriate engineering controls

If handled uncovered, arrangements with local exhaust ventilation have to be used. Do not breathe gas/fumes/vapour/spray.

#### Protective and hygiene measures

Change contaminated clothing. Wash hands before breaks and after work. When using do not eat or drink.

#### Eye/face protection

Eye protection: not required.

#### Hand protection

Hand protection: not required.

#### Skin protection

Body protection: not required.

#### Respiratory protection

With correct and proper use, and under normal conditions, breathing protection is not required.

### SECTION 9: Physical and chemical properties

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

Physical state:	liquid
Colour:	greenish blue
Odour:	characteristic

	Test method
pH-Value (at 20 °C):	7,5 - 8,5 ISO 4316

#### Changes in the physical state

Melting point:	No data available
Boiling point or initial boiling point and boiling range:	64,7 °C
Sublimation point:	No data available
Softening point:	No data available
Pour point:	No data available
Flash point:	59,7 °C
Sustaining combustion:	Not sustaining combustion

#### Flammability

Solid/liquid:	No data available
Gas:	No data available

Lower explosion limits:	1,22 vol. %
Upper explosion limits:	19 vol. %
Auto-ignition temperature:	360 °C DIN 51794

#### Self-ignition temperature

Solid:	No data available
Gas:	No data available

#### Oxidizing properties

Alcohol	
Vapour pressure: (at 20 °C)	57,26 hPa
Vapour pressure: (at 50 °C)	123 hPa
Density (at 20 °C):	1,43 g/cm³
Bulk density:	No data available

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Water solubility: No data available

#### **Solubility in other solvents**

No data available

Partition coefficient n-octanol/water: No data available

Viscosity / dynamic: No data available

Viscosity / kinematic: No data available

Flow time: No data available

Relative vapour density: No data available

Evaporation rate: No data available

Solvent separation test: No data available

Solvent content: 3,72 %, water: 32,73 %

#### **9.2. Other information**

Solid content: 45,51 %

No data available

### SECTION 10: Stability and reactivity

#### **10.1. Reactivity**

No data available

#### **10.2. Chemical stability**

The product is stable under storage at normal ambient temperatures.

#### **10.3. Possibility of hazardous reactions**

No data available

#### **10.4. Conditions to avoid**

No data available

#### **10.5. Incompatible materials**

No data available

#### **10.6. Hazardous decomposition products**

No known hazardous decomposition products.

### SECTION 11: Toxicological information

#### **11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008**

##### **Toxicokinetics, metabolism and distribution**

No information available.

##### **Acute toxicity**

Based on available data, the classification criteria are not met.

There are no data available on the preparation/mixture itself.

CAS No	Chemical name				
	Exposure route	Dose	Species	Source	Method
100-51-6	benzyl alcohol				
	oral	LD50 1230 mg/kg	Rat	GESTIS	
	inhalation vapour	ATE 11 mg/l			
	inhalation aerosol	ATE 1,5 mg/l			

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**Irritation and corrosivity**

Based on available data, the classification criteria are not met.  
Not an irritant.

**Sensitising effects**

Based on available data, the classification criteria are not met.  
not sensitising.

**Carcinogenic/mutagenic/toxic effects for reproduction**

Based on available data, the classification criteria are not met.  
No indications of human carcinogenicity exist.  
No indications of human germ cell mutagenicity exist.  
No indications of human reproductive toxicity exist.

**STOT-single exposure**

Based on available data, the classification criteria are not met.  
No information available.

**STOT-repeated exposure**

Based on available data, the classification criteria are not met.  
No information available.

**Aspiration hazard**

Based on available data, the classification criteria are not met.  
No information available.

**Specific effects in experiment on an animal**

The components in this formulation do not meet the criteria for classification as CMR category 1 or 2.

**Additional information on tests**

This mixture is classified as not hazardous according to regulation (EC) 1272/2008 [CLP]. The classification was carried out according to the calculation method of the Preparations Directive (1999/45/EC).

**Practical experience**

No information available.

**11.2. Information on other hazards****Other information**

No information available.

**Further information**

Summarized evaluation of the CMR properties: The components in this formulation do not meet the criteria for classification as CMR category 1 or 2.

**SECTION 12: Ecological information****12.1. Toxicity**

Technically correct releases of minimal concentrations to adapted biological sewage treatment facility, will not disturb the biodegradability of activated sludge.

**12.2. Persistence and degradability**

No data available

**12.3. Bioaccumulative potential**

No data available

**Partition coefficient n-octanol/water**

CAS No	Chemical name	Log Pow
100-51-6	benzyl alcohol	1,05

**12.4. Mobility in soil**

No data available

**12.5. Results of PBT and vPvB assessment**

No data available



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**12.7. Other adverse effects**

No data available

**Further information**

Avoid release to the environment.

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

Do not allow to enter into surface water or drains. Dispose of waste according to applicable legislation.

**List of Wastes Code - residues/unused products**

200128 MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS; separately collected fractions (except 15 01); paint, inks, adhesives and resins other than those mentioned in 20 01 27

**List of Wastes Code - used product**

200128 MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS; separately collected fractions (except 15 01); paint, inks, adhesives and resins other than those mentioned in 20 01 27

**List of Wastes Code - contaminated packaging**

200128 MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS; separately collected fractions (except 15 01); paint, inks, adhesives and resins other than those mentioned in 20 01 27

**Contaminated packaging**

Wash with plenty of water. Completely emptied packages can be recycled.

**SECTION 14: Transport information****Land transport (ADR/RID)**

**14.1. UN number:** Not classified for this carrier.

**14.2. UN proper shipping name:** Not classified for this carrier.

**14.3. Transport hazard class(es):** No

**14.4. Packing group:** No

**Other applicable information (land transport)**

No dangerous good in sense of this transport regulation.

Not restricted

**Inland waterways transport (ADN)**

**14.1. UN number:** Not classified for this carrier.

**14.2. UN proper shipping name:** Not classified for this carrier.

**14.3. Transport hazard class(es):** No

**14.4. Packing group:** No

**Other applicable information (inland waterways transport)**

Not restricted

**Marine transport (IMDG)**

**14.1. UN number:** Not classified for this carrier.

**14.2. UN proper shipping name:** Not classified for this carrier.

**14.3. Transport hazard class(es):** No

**14.4. Packing group:** -

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**Other applicable information (marine transport)**

Not restricted

**Air transport (ICAO-TI/IATA-DGR)****14.1. UN number:** Not classified for this carrier.**14.2. UN proper shipping name:** Not classified for this carrier.**14.3. Transport hazard class(es):** No**14.4. Packing group:** -**Other applicable information (air transport)**

No dangerous good in sense of this transport regulation.

Not restricted

**14.5. Environmental hazards**

ENVIRONMENTALLY HAZARDOUS: No

**14.6. Special precautions for user**

No

**14.7. Maritime transport in bulk according to IMO instruments**

No

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

2010/75/EU (VOC): 14,747 % (210,888 g/l)

2004/42/EC (VOC): 16,002 % (228,827 g/l)

Information according to 2012/18/EU (SEVESO III): Not subject to 2012/18/EU (SEVESO III)

**Additional information**

Mixture for use in tattoos. Annex XVII to Regulation (EC) No 1907/2006, 75.

**National regulatory information**

Water hazard class (D): 1 - slightly hazardous to water

**15.2. Chemical safety assessment**

For this mixture a chemical safety assessment has been carried out.

**SECTION 16: Other information****Changes**

Safety Data Sheet according to Regulation (EC) No. 1907/2006 (REACH)

Validity period: EC member states, Switzerland, Turkey, Russia, Croatia

**Relevant H and EUH statements (number and full text)**

H302 Harmful if swallowed.

H332 Harmful if inhaled.

EUH210 Safety data sheet available on request.

**Further Information**

The information is based on the present level of our knowledge. It does not, however, give assurance of product properties and establishes no contract legal rights. The receiver of our product is singularly responsible for adhering to existing laws and regulations.

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**Identified uses**

No	Short title	LCS	SU	PC	PROC	ERC	AC	TF	Specification
1	tattoo ink	PW	-	18	20	-	-	-	1

LCS: Life cycle stages

PC: Product categories

ERC: Environmental release categories

TF: Technical functions

SU: Sectors of use

PROC: Process categories

AC: Article categories

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