

## Safety Data Sheet

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

**1.1 Product identifier** **INTERFILM**

**UFI code** 9XVQ-J2Q4-XC16-1U30

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

Product is used as separating liquid for professional use in dental laboratory. Packaging in 100 ml and 1 L.

**1.3 Details of the supplier of the safety data sheet**

Manufacturer/Supplier:	INTERDENT d.o.o.	<i>Production:</i> INTERDENT d.o.o.
Street:	Opekarniška cesta 26	Dol 1
Country code /Postal code/City:	SI-3000 Celje	SI-3342 Gornji Grad
Telephone:	+386(0) 425-62-00	
Fax:	+368(0) 490-62-02	

**1.4 Emergency telephone number**

Emergency phone: 112 (EU)  
+386(0) 425-62-00 (Mon. – Fri.: 8.00 – 16.00)

### **SECTION 2: Hazards Identification**

**2.1 Classification of the substance or mixture**

Classification according to Regulation (EC) No 1272/2008.

Hazard class	Hazard category	Hazard statements
Flammable liquids	2	H225: Highly flammable liquid and vapour.
Specific target organ toxicity – Single exposure	3, Narcosis	H336: May cause drowsiness and dizziness.
Serious eye damage/eye irritation	2	H319: Causes serious eye irritation.

**2.2 Label elements**

Labelling according to Regulation (EC) No. 1272/2008:

**Hazard pictograms:**



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**Signal word: DANGER**

**Hazard statements:**

H225: Highly flammable liquid and vapour.

H319: Causes serious eye irritation.

H336: May cause drowsiness and dizziness.

**Precautionary statement:**

*Prevention*

P210 Keep away from heat/sparks/open flames/hot surfaces. — No smoking.

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

P264 Wash hands thoroughly after handling

P261 Avoid breathing vapours/ spray.

P271 Use only outdoors or in a well-ventilated area.

*Response*

P303+P361+P353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.

P304+P340 IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.

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.

*Storage*

P233 Keep container tightly closed.

*Disposal*

P501 Dispose of contents/container to in accordance with local/regional/national/international regulation (to be specified).

*Substance on the label:*

Propan-2-ol

**Labelling of packages where the contents do not exceed 125 ml**

**Hazard pictograms:**



**Signal word: DANGER**

**Hazard statements:**

H225: Highly flammable liquid and vapour.

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H319: Causes serious eye irritation.  
 H336: May cause drowsiness and dizziness.

**Precautionary statement:**

*Prevention*

P210 Keep away from heat/sparks/open flames/hot surfaces. — No smoking.  
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 P337+P313 If eye irritation persists: Get medical advice/ attention.

*Substance on the label:*

Propan-2-ol

**2.3 Other hazards**

PBT and vPvB evaluations are in Section 12.5

### SECTION 3: Composition / information on ingredients

Chemical name	Index number EC number CAS number	%	Classification according to EC 1272/2008	
			Hazardous class/hazardous category	Hazardous phrases
<b>Propan-2-ol</b>	603-117-00-0 200-661-7 67-63-0	40-50	Flam.Liq.2 Eye Irrit. 2 STOT SE3	H225 H319 H336
Polyethylene glycol	/ / 25322-68-3	30-40	/	/
Glycerin	/ 200-289-5 56-81-5	10-20	/	/

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### **SECTION 4: First Aid Measures**

#### **4.1 Description of first aid measures**

*Inhalation:*

Remove victim to the fresh air, keep him warm. If not breathing: artificial respiration. In the case of unconsciousness keep victim in position of unconscious. Ask for medical help when difficulties appear.

*Skin contact:*

Remove contaminated clothing. Wash off with soapy water. If irritation persist seek medical help.

*Eye contact:*

Wash off open eye with plenty of water for at least 15 minutes. Ask for medical help when difficulties appear.

*Ingestion:*

Do not induce vomiting. First wash mouth with water and then drink at least 100 mL of water. Ask for medical help.

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

Symptoms: Symptoms of excessive exposure can be headache, dizziness, fatigue, nausea and vomiting. Irritating to eyes. Can cause redness, watering and weakening of vision.

Refer to Section 11 – Toxicological information for detailed information.

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

Symptomatic treatment.

### **SECTION 5: Firefighting measures**

#### **5.1 Extinguishing media**

*Suitable:*

CO<sub>2</sub>, foam, dispersed jet of water, dry chemicals.

*Unsuitable:*

Strong water jet.

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

Easy flammable. Explosive mixture with air can be formed when product is heated or in the case of fire. Vapour is heavier than air and can be spread over the floor. Dangerous products of thermal decomposition are formed like carbon monoxide, carbon dioxide.

#### **5.3 Advice for firefighters**

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Use breathing apparatuses. Threatened containers cool down with dispersed jet of water. Warming up can raise the pressure – risk of outbreak. Collect contaminated water used for firefighting separately. Do not release it in sewage system.

### **SECTION 6: Accidental release measures**

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

Insure against source of fire and heat. Wear protective equipment. Avoid skin contact and eye contact. Do not breathe mist.

#### **6.2 Environmental precautions**

Do not allow enter sewage system or waters. Prevent soil penetrating.

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

Absorb with sand, earth, diatomic earth, blotting paper, sawdust. Dispose in accordance with law about waste material.

#### **6.4 Reference to other sections**

See sections 7, 8, 13.

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

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

Ventilation required. It can be used only in good ventilated places. Keep away from the source of ignition, prevent from static discharges, use apparatuses protect against explosion and tool which does not spark. Do not disperse in fire or to red-hot object. Do not eat, drink or smoke during use of product. Wash hands before and after use. Remove contaminated clothing.

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

Keep in closed vessel away from food and water. Store it on room temperature away from direct sunlight and source of ignition. Do not smoke. Vapours are heavier than air and can be spread over the floor. Vapours can form explosive mixture with air. Prevent static electric discharge.

#### **7.3. Specific end use(s)**

Product is intended to be used in dental laboratories for insulation plaster against wax, wax against metal, plaster against plaster. All recommendation for safe use are intended for professional use of the product.

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

#### **8.1 Control parameters**

Commission Directive 2009/161/EU

Regulation on the protection of workers from risks related to exposure to chemical agents at work (Official Gazette of the Republic of Slovenia, No. 72/2021, 29/2024, 26/2025)

Regulation on the protection of workers from risks related to exposure to carcinogenic, mutagenic or reprotoxic substances at work (Official Gazette of the Republic of Slovenia, No. 29/2024, 26/2025)

#### **Ingredients with limit values that have to be considered and measured in the working place**

##### **Propan-2-ol**

<b>OEL</b>	Current exposure: 1000 mg/m <sup>3</sup> , 400 ppm Long-term exposure: 500 mg/m <sup>3</sup> , 200 ppm Y, BAT	
<b>Oral</b>	<b>DNEL</b>	26 mg/kg (users-long-term exposure-systemic effect)
<b>Dermal</b>		888 mg/kg (workers-long-term exposure-systemic effect) 319 mg/kg (users-long-term exposure-systemic effect)
<b>Inhalable</b>		500 mg/m <sup>3</sup> (workers-long-term exposure-systemic effect) 89 mg/m <sup>3</sup> (users-long-term exposure-systemic effect)

#### **Ingredients with biological limit values**

##### **Propan-2-ol**

<b>BAT</b>	25 mg/l Biological sample: blood Time of sampling: at the end of working shift Characteristic indicator: acetone
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Isopropanol (propan-2-ol) is a substance for which there is no risk to the embryo, provided that the occupational exposure limits and BAT values are observed.

#### **For Propan-2-ol**

##### **Foreseen concentration without effect (PNEC):**

Fresh water: 140,9 mg/l

Sea water: 140,9 mg/l

Release intervals: 140,9 mg/l

Waste water treatment plant: 2251 mg/l

The sediment associated with the weight of the dry material: 552 mg/kg

Floor associated with the weight of the dry matter: 28 mg/kg

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Secondary poisoning associated with food: 160 mg/kg	
<b>Polyethylene glycol</b>	
<b>OEL</b>	Current exposure: 8000 mg/m <sup>3</sup> (I) Long-term exposure: 1000 mg/m <sup>3</sup> (I) (Directive 98/24/EC, 2000/39/EC and all amendments)
<b>Glycerin</b>	
<b>OEL</b>	Current exposure: 400 mg/m <sup>3</sup> (I) Long-term exposure: 200 mg/m <sup>3</sup> (I) (Directive 98/24/EC, 2000/39/EC and all amendments)
<p><b>8.2 Exposure controls</b></p> <p><b>Personal protection:</b>  <i>General safety and hygiene measures:</i>                      Do not store near food, drink, or animal feed. Remove contaminated, soaked clothing immediately. Wash hands before breaks and at the end of work. Avoid contact with eyes. Avoid contact with eyes and skin.                      Personal protective equipment in accordance with Regulation (EU) 2016/425 and the List of harmonized standards for PPE – 2018/C 209/03.</p> <p><i>Respiratory protection:</i>                      For the use of 100 mL packaging in a dental laboratory, special respiratory protection is not required. The duration of use is shorter than the exposure limits for short-term exposure. Ventilation during or after use is recommended.</p> <p><i>Hand protection:</i>                      Wear protective gloves in compliance with EN ISO 374-1. Suitable gloves: nitrile gloves, Type B.                      Unsuitable glove materials: natural rubber (latex).</p> <p><i>Eye protection:</i>                      Tightly fitting protective goggles, polycarbonate, according to EN 166. When wearing corrective glasses, additional protective goggles are not required when using this product.</p> <p><i>Skin and body protection:</i>                      Protective footwear/boots: closed shoes                      Protective clothing: work clothing</p> <p><b>8.3 Environmental exposure controls</b>                      General instructions: Do not discharge into surface water or the sewage system. Avoid penetration into soil.</p>	

### **SECTION 9: Physical and chemical properties**

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

<b>Form</b>	Liquid
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<b>Colour</b>	red (colour of the product)
<b>Odour</b>	Alcoholic like
<b>pH</b>	8.1
<b>Density</b>	0,94 g/mL (20 °C)
<b>Data are for propan-2-ol</b>	
<b>pH</b>	neutral
<b>Boiling point</b>	82°C
<b>Flashpoint</b>	12°C
<b>Autoignition</b>	No data available
<b>Upper explosion limit</b>	12% (vol)
<b>Lower explosion limit</b>	2% (vol)
<b>Oxidative characteristics</b>	n.a.
<b>Vapour pressure</b>	48 hPa (20°C)
<b>Density</b>	0,785g/cm <sup>3</sup>
<b>Solubility in water</b>	miscible in all ratios
<b>Partition coefficient: n-octanol/water</b>	log Kow 0,05 (OECD Test guideline 107) literature value
<b>Viscosity</b>	2,43 mPa·s (20°C)
<b>Vapour density</b>	n.a.
<b>Evaporation rate</b>	n.a.
<b>9.2 Other information</b>	
No additional information	

### **SECTION 10: Stability and reactivity**

#### **10.1 Reactivity**

Not reactive under normal conditions and proper use.

#### **10.2 Chemical stability**

Stable under normal conditions.

#### **10.3 Possibility of hazardous reaction**

Exothermic reaction with strong acids. Incompatible with oxidants.

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

Warm, heat, flames, spark. Temperature raise causes vapour formation in packaging and packaging can explode, product is spilled. Product is in form of spray and must not be sprayed in the flame.

#### **10.5 Incompatible materials**

Strong acids, oxidants

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### 10.6 Hazardous decomposition products

In case of fire: CO<sub>2</sub> and CO

### SECTION 11: Toxicological information

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

All values for toxicity related to the pure substance. Prolonged skin contact may cause degreasing of the skin and may cause dermatitis. Inhalation of high vapor concentrations may cause symptoms like headache, dizziness, tiredness, nausea and vomiting. There is a risk that the product gets into the lungs in case of vomiting. Injuries may occur liver.

**Chemical name: Propan-2-ol**

**Acute toxicity** On the basis of available data measurements for sorting are not fulfilled.

#### Important LD/LC50 sorting values:

	LD50	
Oral		>2000 mg/kg (rat)
Dermal		>2000 mg/kg (rabbit)
Inhale		20 mg/kg (rat)

**Primary irritation:**

**Skin corrosion/irritation:** Based on available data, the classification criteria are not met.

**Serious eye damage/eye irritation:** Causes serious eye irritation.

**Respiratory sensitisation and skin sensitisation:** Based on available data, the classification criteria are not met.

**CMR effects (carcinogenicity, mutagenicity and reproductive toxicity):**

**Germ cell mutagenicity:** Based on available data, the classification criteria are not met.

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

**Reproductive toxicity:** Based on available data, the classification criteria are not met.

**STOT – single exposure:** May cause drowsiness or dizziness.

**STOT – repeated exposure:** Based on available data, the classification criteria are not met.

**Aspiration hazard:** Based on available data, the classification criteria are not met.

**Chemical name: Glycerin (CAS 56-81-5)**

**Acute toxicity:** On the basis of available data measurements for sorting are not fulfilled.

#### Important LD/LC50 sorting values:

Oral	LD50	> 12600 mg/kg (podgana)
Dermal	LD50	>18700 mg/kg (kunec)

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<b>Inhale</b>		Mildly irritant
<p> <b>Skin corrosion/irritation:</b> Slightly irritating.  <b>Serious eye damage/eye irritation:</b> Slightly irritating.  <b>Respiratory sensitization and skin sensitization:</b> No data available.  <b>Germ cell mutagenicity:</b> No data available.  <b>Carcinogenicity:</b> Not classified.  <b>Reproductive toxicity:</b> Not classified.  <b>STOT – single exposure:</b> Not classified.  <b>STOT – repeated exposure:</b> Not classified.  <b>Aspiration hazard:</b> No data available.                 </p> <p> <b>Chemical name:</b> Polyethylene glycol  <b>Acute toxicity:</b> On the basis of available data measurements for sorting are not fulfilled.                 </p>		
<b>Important LD/LC50 sorting values:</b>		
<b>Oral</b>	<b>LD50</b>	44000 mg/kg (podgana)
<b>Dermal</b>	<b>LD50</b>	No available data
<b>Inhale</b>		No available data
<p> <b>Irritation:</b>                      Skin: Does not irritate the skin.                      Eyes: Does not irritate.  <b>Carcinogenicity:</b> The chemical is not classified as carcinogenic.  <b>Mutagenicity:</b> The chemical is not classified as mutagenic.  <b>Reproductive toxicity:</b> The chemical is not classified as toxic for reproduction.  <b>Sensitisation:</b> According to currently available data, the chemical does not cause sensitisation.                 </p> <p> <b>Symptoms:</b>  <b>Inhalation:</b> Information not available.  <b>Skin contact:</b> Information not available.  <b>Eye contact:</b> Irritation, redness.  <b>Ingestion:</b> Information not available.                 </p> <p> <b>11.2 Information on other hazards</b>                      No data available.                 </p>		

### **SECTION 12: Ecological information**

#### **12.1 Toxicity**

No available data for the final product.

#### **12.2 Persistence and degradability**

Duration of effect: no data available

Biodegradability: no data available

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### 12.3 Bioaccumulate potential

Bioaccumulation is not expected.

### 12.4 Mobility in soil

Product is mobile in environment.

### 12.5 Results of PBT and vPvB assessment

The substance is not considered to be persistent, bioaccumulative or toxic. The substance is not considered to be very persistent and very bioaccumulative.

### 12.6 Other adverse effect

All numerical values in respect of ecotoxicological effects relate to the pure substance.  
Avoid empty into drains, water courses or the soil.

## **SECTION 13: Disposal considerations**

### 13.1 Waste treatment methods

*Methods of disposal:* It is forbidden to dispose the product with other municipal waste. Dispose in accordance with Statute about handling with waste.

*Waste disposal:* Store waste separately. Due to the risk of contamination, dispose of it with industrial waste or as hazardous waste.

*Contaminated packaging:* Store waste separately. Due to the risk of contamination, dispose of it with industrial waste or as hazardous waste.

*Waste category:* 16 03 05\* Organic waste that contain hazardous substances

*Empty packaging waste category:* 15 01 02 Plastic packaging

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<b>SECTION 14: Transport Information</b>			
	<b>ADR/RID</b>	<b>IMDG</b>	<b>IATA</b>
<b>14.1 UN number</b>	UN 1219		
<b>14.2 UN proper shipping name</b>	ADR: isopropanol (isopropylalcohol) IMDG, IATA: Isopropanol (Isopropyl alcohol)		
<b>14.3 Transport hazard class(es)</b>			
Class	3		
Classification code	F1	/	/
Label(s)	3		
Hazard identification	33	/	/
Transport category (Tunnel restriction code)	(D/E)	/	/
EmS	/	F-E, S-D	/
<b>14.4 Packing group</b>	II		
<b>14.5 Environmental hazards</b>	No environmental hazard		
<b>14.6 Special precautions for user</b>	No special precautions		
<b>14.7 Maritime transport in bulk according to IMO instruments</b>	No data available		

### **SECTION 15: Regulatory information**

#### **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**

The product is classified in accordance with the requirements of Regulation (EC) No. 1272/2008 and Regulation (EC) No. 1907/2006 and their respective amendments, as well as the corresponding national legislation:

Decree on the Implementation of Regulation (EC) on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) (Official Gazette of the RS, No. 23/08 and 191/20)

Decree on the Implementation of Regulation (EC) No. 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC

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and 1999/45/EC, and amending Regulation (EC) No. 1907/2006 (Official Gazette of the RS, No. 56/10)

### 15.2 Chemical safety assessment

No data available from component's supplier.

### **SECTION 16: Other information**

#### *Revision:*

Version 10 issued on July 2025 in accordance with EC 1907/2006 (Commission Regulation (EU) 2015/830) and EC 1272/2008.

Revision in accordance to changes in COMMISSION REGULATION (EU) 2020/878 amending Annex II to Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH).

#### *Legend of abbreviations:*

ADR – European agreement concerning the international carriage of dangerous goods by road

CAS – Chemical Abstracts Service

CLP – Classification, Labeling and Packaging

CMR – Carcinogenic, Mutagenic or toxic for Reproduction

DNEL - Derived no-effect level

EC<sub>50</sub>: Half maximal effective concentration

EmS – Emergency Schedule

GHS – Globally Harmonised System of Classification and Labeling of Chemicals

IATA – International Air Transport Association

IMDG – International Maritime Dangerous Goods Code

LC<sub>50</sub>: Lethal concentration, 50%

LD<sub>50</sub>: Median lethal dose; the dose causing 50% lethality

MARPOL – International convention for the prevention of pollution from ships

NOEC - No-observed-effect concentration

OEL - Occupational exposure limit

OECD - Organisation for Economic Co-operation and Development

PBT – Persistent Bioaccumulative Toxic

PNEC: Predicted no-effect concentration

Ppm – parts per million

REACH – Registration, Evaluation, Authorisation and Restriction of Chemicals

RID – Regulation concerning the international carriage of dangerous goods by rail

vPvB – very Persistent and very Bioaccumulative

#### *References:*

- Regulation (EC) No. 1907/2006 (REACH), as amended by 2015/830/EU
- Regulation (EC) No. 1272/2008 (CLP, EU GHS)
- Commission Directive 2009/161/EU
- Safety Data Sheet of the raw material manufacturer
- Martindale: The Extra Pharmacopoeia, 13th Edition

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- Website: <https://chem.echa.europa.eu/>
- European Agreement concerning the International Carriage of Dangerous Goods by Road (ADR)
- Decree on the Implementation of the Regulation (EU) on Personal Protective Equipment (Official Gazette of the RS, No. 33/18)
- List of Harmonised Standards for Personal Protective Equipment (C 412 / 11.12.2015, with all amendments and supplements)
- Occupational Safety and Health Act (Official Gazette of the RS, No. 43/2011)
- Decree on Waste (Official Gazette of the RS, No. 77/22 and 113/23)
- Decree on Packaging and Packaging Waste (Official Gazette of the RS, No. 54/21, 208/21, 44/22 – ZVO-2 and 120/22)
- European Agreement concerning the International Carriage of Dangerous Goods by Road (ADR)
- Decision on the publication of Annexes A and B to the European Agreement concerning the International Carriage of Dangerous Goods by Road (ADR)
- Dangerous Goods Regulations (DGR) for the air transport (IATA)
- International Maritime Dangerous Goods Code (IMDG)
- Decree on the Protection of Workers from Risks Related to Exposure to Chemical Substances at Work (Official Gazette of the RS, No. 100/01, 39/05, 53/07, 102/10, 43/11 – ZVZD-1, 38/15, 78/18 and 78/19, 72/21, 29/24)

*Disclaimer of expressed and implied warranties:*

The information contained in the safety data sheet have been translated from the manufacturer, revised in accordance with the Slovenian legislation. Guidelines for the safe use, handling, disposal, storage and transportation and cannot be used as a guarantee. The information relates only to the specific product and is not suitable for combining with other materials or for use in another process as described in the instructions.