Safety Data Sheet

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

1.1 Product identifier **INTERSKIN**

UFI code URR7-CRTN-D309-VY1F

1.2. Relevant identified uses of the substance or mixture and uses advised against
Product is used as disinfectant agent for hands in dental laboratories.

1.3 Details of the supplier of the safety data sheet

		Production:
Manufacturer/Supplier:	INTERDENT d.o.o.	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.

Flammable liquids	Hazard Category 2	H225 Highly flammable liquid and vapor.
Serious eye damage/eye irritation	Hazard Category 2	H319: Causes serious eye irritation.

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

Hazard pictograms:

Signal word: DANGER

Hazard statements:
H225: Highly flammable liquid and vapor.
H319: Causes serious eye irritation.

Precautionary statement:
Prevention
P102: Keep out of reach of children.
P210 Keep away from heat/sparks/open flames/hot surfaces. — No smoking.
P233 Keep container tightly closed.
P261 Avoid breathing vapours.

Response
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Disposal
P501 Dispose of contents/container in accordance with local regulation.

Hazardous components on the label
Ethanol, Propan-2-ol

2.3 Other hazards
PBT and vPvB evaluations are in chapter 12.5.

SECTION 3: Composition / information on ingredients

3.1 Substances
/

3.2 Mixture
Water, Ethanol, Propan-2-ol, Glycerin, Citric acid, Methyl Ethyl ketone (possible impurity)

Chemical name	**Index number** **EC number** **CAS number**	**%**	**Classification according to EC 1272/2008**	
			Hazardous class/hazardous category	Hazardous phrases
Ethanol	603-003-00-0 200-661-7 67-63-0	70	Flam.Liq.2 Eye Irrit. 2	H225 H319
Propan-2-ol	603-117-00-0 200-661-7 67-63-0	< 5	Flam. Liq.2 Eye Irrit.2 STOT SE3	H225 H319 H336
Glycerin	/	< 3	/	/

	200-289-5 56-81-5			
Citric acid	/ 201-069-1 5949-29-1	< 3	Eye Irrit.2	H319
Methyl Ethyl keton	606-002-00-3 201-159-0 78-93-3	< 1	Flam. Liq.2 Eye Irrit.2 STOT SE3	H225 H319 H336

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:
Product doesn't irritate skin.

E*ye contact:*
Wash off open eye with plenty of water for 15 minutes. Ask for medical help when difficulties appear.

Ingestion:
First wash mouth with water and then drink plenty of water. Do not induce vomiting. Ask for medical help.

4.2 Most important symptoms and effects, both acute and delayed

Symptoms: 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_2, dust, dispersed jet of water. Large fire extinguishers with dispersed jet of water or foam resistant to alcohol.

Unsuitable:
Direct water jet.

5.2 Special hazards arising from the substance or mixture
Easy flammable. Dangerous products of thermal decomposition are formed like carbon monoxide, carbon dioxide.

5.3 Advice for firefighters
Protective equipment for firefighters: protective clothing (SIST EN 469:2006/A1:2007) with helmet (SIST EN 443: 2008), protective gloves (SIST EN 659: 2003 + A1: 2008/AC: 2009), shoes (SIST EN 15090: 2012), breathing apparatus (SIST EN 137: 2006).
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
Wear protective equipment. Insure against source of fire and heat.

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
Keep away from the source of ignition, prevent from static discharges, use apparatuses protect against explosion and tool which does not spark.

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. Prevent static electric discharge.

7.3. Specific end use(s)
Product is intended to be used in dental laboratories as disinfectant agent for hands

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

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

Directive 98/24/EC as amended
Official Gazette of the RS, No. 100/01, 39/05, 53/07, 102/10, 43/11 - ZVZD-1, 38/15, 78/18, 78/19; 72/21

Ethanol		
OEL	Current exposure: 1920 mg/m^3, 1000 ppm Long-term exposure: 960 mg/m^3, 500 ppm Y, BAT	
Glycerin		
OEL	Short-term value (STEL): 400 mg/m³ (inhalable fraction) Long-term value (TWA): 200 mg/m³ (inhalable fraction)	
Propan-2-ol		
OEL	Current exposure: 1000 mg/m^3, 400 ppm Long-term exposure: 500 mg/m^3, 200 ppm Y, BAT	
Oral	**DNEL**	26 mg/kg (users-long-term exposure-systemic effect)
Dermal		888 mg/kg (workers-long-term exposure-systemic effect) 319 mg/kg (users-long-term exposure-systemic effect)
Inhalable		500 mg/m3 (workers-long-term exposure-systemic effect) 89 mg/m3 (users-long-term exposure-systemic effect)
Ingredients with biological limit values		
Propan-2-ol		
BAT	25 mg/l Biological sample: blood Time of sampling: at the end of working shift Characteristic indicator: acetone	
	25 mg/l Biological sample: blood Time of sampling: at the end of working shift Characteristic indicator: acetone	

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
Secondary poisoning associated with food: 160 mg/kg
Propan-2-ol is a substance for which no risk to the embryo exists when occupational exposure limits and BAT values are observed.

Methyl Ethyl ketone	
OEL	Current exposure: 900 mg/m3, 300 ppm Long-term exposure: 600 mg/m3, 200 ppm K, Y, BAT, EU
BAT: 2 mg/l, urine, after working	

8.2 Exposure controls
Personal protective equipment in accordance with Regulation (EU) 2016/425 (Official Gazette RS, št. 29/05, 23/06, 17/11 – ZTZPUS-1, 76/11 in 33/18) and List of harmonized standards for personal protection equipment 2018/C 209/03.

Personal protective equipment
Respiratory protection:
With sufficient ventilation and with regards to intended use any special protection is not necessary.

Hand protection:
Not necessary.

Respiratory protection:
With sufficient ventilation and with regards to intended use any special protection is not necessary, otherwise mask EN 140:1998/AC:1999 with protective filter type A [boiling point >65°C (149°F)] (EN14387:2004+A1:2008).

Skin and body protection:
Protective antistatic coat (EN ISO 1149-5:2008) and antistatic footwear (EN ISO 20345:2011).

Eye protection:
Wearing safety goggles (EN 166:2001).

8.2.2 Environmental exposure controls
General instructions: Do not flush into surface water or sanitary sewer system. Avoid penetrating the ground.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Data are for ethanol	
Physical state	liquid
Colour	colorless
Odour	Alcoholic like
pH	NA
Melting point / melting range	-114°C
Boiling point	78°C
Flashpoint	12°C
Evaporation rate	NA
Autoignition temperature	425°C
Upper explosion limit	15 % (vol)
Lower explosion limit	3,5 % (vol)
Oxidative characteristics	n.a.
Vapour pressure	59 hPa (20°C)
Density	0,79 g/cm3 (20°C)
Solubility in water	miscible in all ratios
Partition coefficient: n-octanol/water	NA
Thermal decomposition / decomposition	NA
Viscosity	NA
Eksplozivnost	Possibility of explosive mixture gas/air
Data are for propan-2-ol	
pH	neutral
Boiling point	82°C
Flashpoint	12°C
Autoignition	No data available
Upper explosion limit	12 % (vol)
Lower explosion limit	2 % (vol)
Oxidative characteristics	n.a.
Vapour pressure	48 hPa (20°C)
Density	0,785 g/cm^3
Solubility in water	miscible in all ratios
Partition coefficient: n-octanol/water	log Kow 0,05 (OECD Test guideline 107) literature value
Viscosity	2,43 mPa·s (20°C)
Vapour density	n.a.
Evaporation rate	n.a.

9.2 Other information
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
No data.

10.4 Conditions to avoid
Warm, heat, flames, spark. Temperature raise causes vapor 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

10.6 Hazardous decomposition products
In case of fire: CO_2 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. Repeated or prolonged exposure to solvents may cause damage to the brain and nervous system.

Acute toxicity
Chemical name: Ethanol

Important LD/LC50 sorting values:		
Oral	**LD50**	>6200 mg/kg (rat)
Dermal		NA
Inhalative		124 mg/ml (rat, 4h)

Skin corrosion/irritation: It degreases the skin, which can become dry and rough. Prolonged or repeated skin contact may cause dermatitis.
Serious eye damage/irritation: Wetting the eye can cause severe pain. Vapors are irritating.
Respiratory or skin sensitization: Does not cause hypersensitivity in laboratory animals.
Germ cell mutagenicity:
Not classified

Carcinogenicity: Data not available.
Reproductive toxicity: Not classified.
Teratogenicity: Not classified
STOT-single exposure: Not classified as STOT – single exposure.
STOT-repeated exposure: Not classified as STOT – repeated exposure.
Aspiration hazard: Not classified as aspiration hazard.

Chemical name: Glycerin

Important LD/LC50 sorting values:		
Oral	**LD50**	>12600 mg/kg (rat)
Dermal		>18700 mg/kg (rabbit)
Inhalative		Slightly irritant

Skin corrosion/irritation: slightly irritant
Serious eye damage/irritation: slightly irritant
Respiratory or skin sensitization: no data available.
Germ cell mutagenicity: No data available.
Carcinogenicity: Not classified
Reproductive toxicity: Not classified.
STOT-single exposure: Not classified
STOT-repeated exposure: Not classified
Aspiration hazard: No data available

Chemical name: Propan-2-ol

Important LD/LC50 sorting values:		
Oral	**LD50**	>2000 mg/kg (rat)
Dermal		>2000 mg/kg (rabbit)
Inhalative		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 severe eye irritation.
Respiratory or skin sensitisation: Based on available data, the classification criteria are not met.
CMR effects (carcinogenicity, mutagenicity, 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: Methyl Ethyl keton

Important LD/LC50 sorting values:		
Oral	**LD50**	3300 mg/kg (rat)
Dermal	**LD50**	5000 mg/kg (rabbit)
Inhalative	**LC50**	50 mg/kg (mouse)

Other information: Irritating to skin and eyes. Causes degreasing of the skin.
Additional warning: Prolonged exposure causes liver damage. High concentrations can cause fatigue and dizziness.

SECTION 12: Ecological information

12.1 Toxicity
Ethanol
Water:
LC50: 8,150 mg/l (fish Leuciscus idus)
EC50: 5000 mg/l (Scenedesmus quadricauda; 168 h) (algae)
EC50: 9,268 – 14,221 mg/l (Daphnia magna; 48 h)
EC50: 6500 mg/l (Pseudomonas putida) cell proliferation inhibition test (bacteria)

Propan-2-ol
Water:
LC50/ 48 h >100 mg/l (fish)
EC50/ 72 h >100 mg/l (algae)
EC50/ 48 h >100 mg/l (daphnia)

Ethylmethylketon:
Water organisms: LC50>1000mg/L
LC50 (fish-Leuciscus idus,96 ur): 4600 mg/L
LC50 (Pseudomonas putida): 1150mg/L

12.2 Persistence and degradability
Duration of effect: no data available
Biodegradability: Easy biodegradable.

12.3 Bio accumulative potential
Ethanol: Bioaccumulation result: log Pow -0.35 (24 ° C; pH 7.4) (OECD Test Guideline 107): Does not bioaccumulate.).

12.4 Mobility in soil
Water: The product is water soluble. Air: The product evaporates easily. Soil: Adsorption on soil is unlikely.

12.5 Results of PBT and vPvB assessment

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

12.6 Endocrine disrupting properties
No data available.

12.7 Other adverse effect
Do not allow undiluted product or large quantities of product to reach sewage systems or large areas of water.

SECTION 13: Disposal considerations

13.1 Waste treatment methods
Methods of disposal: Dispose of in accordance with the Waste Act (Official Gazette of the RS, Nos. 77/22, 113/23, and 13/25) and the Packaging and Packaging Waste Act (Official Gazette of the RS, Nos. 54/21, 208/21, 44/22 – ZVO-2 and 120/22).

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

Contaminated packaging: Store separately. Due to the risk of contamination, dispose of as 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

Safety Data Sheet

SECTION 14: Transport Information

	ADR/RID	**IMDG**	**IATA**
14.1 UN number	UN 1987		
14.2 UN proper shipping name	ADR/RID: 1987 ALCOHOLS, N.O.S. IMDG: ALCOHOLS, N.O.S. IATA: ALCOHOLS, N.O.S.		
14.3 Transport hazard class(es)			
Class	3 Flammable liquids		
Classification code	F1		
Labels(s)	3		
Hazard identification	33	/	/
Transport category (Tunnel restriction code)	(D/E)	/	/
EmS	/	F-E, S-D	/
14.4 Packing group	II		
14.5 Environmental hazards	No environmental hazard		
14.6 Special precautions for user	Flammable liquids		
14.7 Maritime transport in bulk according to IMO instruments	No data available		
ADR: Limited quantities (LQ)	1 L	/	/
ADR: Excepted quantities	E2	/	/

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, including their respective amendments, as well as relevant national legislation: the Implementing Regulation of the REACH Regulation (Official Gazette of the RS, Nos. 23/08 and 191/20) and the Implementing Regulation of Regulation (EC) No. 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labeling, and packaging of substances

and mixtures, amending and repealing Directives 67/548/EEC 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 04 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_{50}: 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_{50}: Lethal concentration, 50%
LD_{50}: 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 sheets of raw material suppliers
- Martindale: The Extra Pharmacopoeia, 13th edition

- Website: https://chem.echa.europa.eu/
- European Agreement concerning the International Carriage of Dangerous Goods by Road (ADR)
- Implementing Regulation of the EU Regulation on Personal Protective Equipment (Official Gazette of the RS, No. 33/18)
- List of harmonized standards for personal protective equipment (C 412 / 11.12.2015, with all amendments)
- Occupational Health and Safety Act (Official Gazette of the RS, No. 43/2011)
- Waste Management Regulation (Official Gazette of the RS, Nos. 77/22 and 113/23)
- Packaging and Packaging Waste Regulation (Official Gazette of the RS, Nos. 54/21, 208/21, 44/22 – ZVO-2 and 120/22)
- European Agreement concerning the International Carriage of Dangerous Goods by Road (ADR) – Appendices A and B
- Dangerous Goods Regulations (DGR) for air transport (IATA)
- International Maritime Dangerous Goods Code (IMDG)
- Regulation on the protection of workers from risks related to exposure to chemical substances at work (Official Gazette of the RS, Nos. 100/01, 39/05, 53/07, 102/10, 43/11 – ZVZD-1, 38/15, 78/18, 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.