

Safety Data Sheet

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

1.1 Product identifier **SPACING VARNISH (REF 380, 381, 382)**

1.2. Relevant identified uses of the substance or mixture and uses advised against
 Product is used for coating of stone model.

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	Hazard Category 2	H225 Easy inflammable liquid and vapour.
Serious eye damage/eye irritation	Hazard Category 2	H319 Extremely irritate eyes.
Specific target organ toxicity – Single exposure	Hazard Category 3, Respiratory tract irritation	H335 May cause respiratory irritation.
Specific target organ toxicity – Single exposure	Hazard Category 3	H336 May cause drowsiness or dizziness.

2.2 Label elements

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

Hazard pictograms:

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Signal word: DANGER

Hazard statements:

H225 Easy inflammable liquid and vapour.

H319 Extremely irritate eyes.

H335 May cause respiratory irritation.

H336 May cause drowsiness or dizziness.

EUH066 Repeated exposure may cause skin dryness or cracking.

Precautionary statement:

Preventions:

P210 Keep away from heat/sparks/open flame/hot surface. No smoking.

P264 Wash your hands thoroughly after handling.

Response:

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes.

Remove contact lenses, if present and if you can do it without problems. Continue rinsing.

Storage:

P403+P233+P235 Store in airy and well signed place. Keep container tightly closed.

Store in a well-ventilated place. Keep cool.

Disposal

P501 Dispose of contents/containers in accordance with local regulation

The substance listed on the label

Ethyl methyl ketone, Pentan-3-on, n-butyl acetate

2.3 Other hazards

PBT and vPvB evaluations: not applicable

SECTION 3: Composition / information on ingredients

3.1 Substance

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See section 3.2

3.2 Mixture

Chemical name	CAS Nr. EC-Number INDEX number	%	Classification according to EC 1272/2008	
			Hazardous class/hazardous category	Hazardous phrases
Ethyl methyl ketone	606-002-00-3 201-159-0 78-93-3	25-50	Flam.Liq.2 Eye irrit. 2 STOT SE 3	H225 H319 H336
Pentan-3-on	606-006-00-5 202-490-3 96-22-0	25-50	Flam. Liq. 2 STOT SE 3 STOT SE 3	H225 H335 H336
n-butyl acetate	607-025-00-1 204-658-1 123-86-4	10-25	Flam. Liq. 3 STOT SE 3	H226 H336

SECTION 4: First Aid Measures

4.1 Description of first aid measures

Inhalation:

Bring injured person to fresh air and lay him down. For safety reason look for medical aid. If injured person does not breath, give him/her artificial breathing.

Skin contact:

Remove contaminated clothes. Rinse with water and soap. If skin reaction is indicated, seek for medical attention.

Eye contact:

Rinse eyes with plenty of water app. 10-15min, Seek for medical attention.

Ingestion:

Rinse mouth with water than drink at least 100ml of water. Do not challenge vomiting. Seek for medical aid immediately.

4.2 Most important symptoms and effects, both acute and delayed

4.3 Indication of any immediate medical attention and special treatment needed

Specific treatment: First aid, decontamination, treatment of symptoms.

Notes for the doctor: Treat symptomatically.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable:

Water mist, foam, dust, CO₂, dry extinguisher.

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Unsuitable:
Water jet

5.2 Special hazards arising from the substance or mixture

Burning can cause rising of carbon monoxide.

5.3 Advice for firefighters

Using of respiratory apparatus

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Wear protective clothing, provide for adequate fresh air.

6.2 Environmental precautions

Prevent expansion. Do not allow flowing into sewage system. Keep away from fire and electrostatic charge.

6.3 Methods and material for containment and cleaning up

Absorb residues in sand or other an inert material, collect in sealed containers and disposed of in accordance with point 13.

6.4 Reference to other sections

Safe handling: see section 7. Personal protection equipment: see section 8. Disposal: see section 13.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Keep away from open flames, sparks or sources of ignition and electrostatic charge. Do not smoke. In the liquid state, it is flammable. Vapors are lighter than air and formed with an explosive mixture.

7.2 Conditions for safe storage, including any incompatibilities

Store in tightly sealed containers in warehouse with room temperature and good ventilation. Keep away from direct sunlight.

7.3. Specific end use(s)

Product is used in dental laboratories.

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SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Ethyl methyl ketone

OEL	Current exposure: 900 mg/m ³ , 300 ppm Long-term exposure: 600 mg/m ³ , 200 ppm K, Y, BAT, EU
BAT	2 mg/l, urine, after working

n-butyl acetate

OEL	Current exposure: 600 mg/m ³ , 124 ppm Long-term exposure: 300 mg/m ³ , 62 ppm Y
Oral	DNEL 3,4 mg/kg body weight /day (users-long-term exposure-systemic effect)
Dermal	7 mg/kg body weight /day (workers-long-term exposure-systemic effect)
Inhalation	3,4 mg/kg body weight /day (users-long-term exposure-systemic effect) 48 mg/m ³ (workers-long-term exposure-systemic effect) 12 mg/m ³ (users-long-term exposure-systemic effect)
	PNEC Fresh water: 0,18mg/l Sea water: 0,018mg/l Release intervals: 0,36mg/l Waste water treatment plan: 35,6 mg/l The sediment in the fresh water associated with the weight of the dry material: 0,981 mg/kg The sediment in the sea water associated with the weight of the dry material: 0,0981mg/kg Floor associated with the weight of the dry matter: 0,0903 mg/kg

8.2 Exposure controls

Personal protection:

Personal protective equipment in accordance with Regulation (EU) 2016/425 And List of harmonized standards for personal protection equipment 2018/C 209/03.

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Personal protective equipment

General protection and hygienic measures:

Immediately take off the contaminated clothes. Don't inhale gas, aerosols. During work do not eat, drink or smoke. Wash hand before break and when you finish with work.

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).

Hand protection:

Gloves resistance against solvent EN ISO 374-1:2016. Wear solvent resistant gloves. Material: nitrile rubber; thickness 0,2 mm.

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).

8.3 Control of environment protection

Common instructions: Do not wash rinse with fresh water or to drainage system. If the aquaducte or drainage system is contaminated, inform competent authorities immediately.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Aggregation	Liquid
Colour	Silver, gold, red
Odour	Aromatic
Boiling point	79°C
Melting point	-86°C
Flammability	370°C
Flash point	-4°C
Pressure	105 mbar (20°C)
Density	0,9 g/cm ³ (20°C) (H ₂ O=1)
Melting in water	Does not mix
pH	neutral

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Lower explosive limit	1,2 vol. %
Upper explosive limit	11,5 vol. %
Solvent content	> 85%
VOC (EC)	85%

9.2 Other information

No additional information relevant to safe use of the mixture.

SECTION 10: Stability and reactivity

10.1 Reactivity

Not reactive under normal temperature and proper use.

10.2 Chemical stability

Vapour at normal pressure.

10.3 Possibility of hazardous reaction

No data available.

10.4 Conditions to avoid

Keep away from: oxidizing substances, strong acids, bases, alkali metal hydroxides.

10.5 Incompatible materials

No data available

10.6 Hazardous decomposition products

Peroxide

SECTION 11: Toxicological information

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

The product has an irritating effect on respiratory organs, eyes and skin. Prolonged exposure can cause headache, dizziness, nausea and vomiting. In rare cases it can cause neurotoxicity.

Chemical name: Ethyl Methyl ketone

Acute toxicity-oral: LD50 (rat): 3300 mg/kg

Acute toxicity – dermal: LD50 (rat): 5000mg/kg

Acute toxicity – inhalational: LC50 (mice): 50mg/L

Other information: Irritating to eyes and skin. It causes skin degreasing.

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Additional warning: Long-term exposure can cause liver damage. High concentration may cause dizziness and tiredness.

SECTION 12: Ecological information

12.1 Toxicity

General information: Slightly hazardous for water. Avoid runoff into groundwater, watercourses or drains.

ethyl methyl ketone

LC50>1000mg/L

LC50 (fish-Leuciscus idus,96 ur): 4600 mg/L

LC50 (bacteria-Pseudomonas putida): 1150mg/L

12.2 Persistence and degradability

No data available.

12.3 Bioaccumulative potential

No data available.

12.4 Mobility in soil

No data available.

12.5 Results of PBT and vPvB assessment

No data available.

12.6 Other adverse effect

No data available.

SECTION 13: Disposal consideration

Methods of disposal: Disposal in accordance with local legislation.

Removing of residues: The waste is stored separately. Because of possible pollution, remove as industrial waste or hazardous waste (Ur. l. RS 84/98, 45/00 in 13/03).

Contaminated packaging: The waste is stored separately. Because of possible pollution, remove as industrial waste or hazardous waste (Ur. L. RS 104/00, 12/02).

Waste classification:

16 03 05* Organic wastes contain dangerous substances.

08 01 11* Waste paint and varnish containing organic solvents or other dangerous substances.

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SECTION 14: Transport Information			
	ADR/RID	IMDG	IATA
14.1 UN number	UN 1263		
14.2 UN proper shipping name	PAINT		
14.3 Transport hazard class(es)			
Class	3		
Classification code	F1	/	/
Hazard identification	33	/	/
Label	3		
Tunnel restriction code	(D/E)	/	/
14.4 Packing group	II		
14.5 Environmental hazards	No environmental hazard		
14.6 Special precautions for user	No special precautions		
14.7 Maritime transport in bulk according to IMO instruments	No data available		

SECTION 15: Regulatory information
15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture
Product is classified in accordance with directive EC 1907/2006 and 1272/2008 and additional changes or national legislation Ur.l. RS 101/2002 and Ur.l.RS 16/2008.
15.2 Chemical safety assessment
No data available from component's supplier.

SECTION 16: Other information
<i>Revision:</i>

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Version 08 issued on December 2022 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
EC₅₀: 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
LC₅₀: Lethal concentration, 50%
LD₅₀: 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:

Safety data sheets of the substances for the product
Directive EC 1907/2006 and 1272/2008 with all amendments and implementations
Council Directive 98/24/EC with all implementations and amendments
Official Gazette RS, No. 100/01, 39/05, 53/07, 102/10, 43/11 – ZVZD-1, 38/15, 78/18, 78/19, 72/21;
Directive 2008/98/EC with all amendments, Official Gazette RS 37/15, 69/15.
Martindale: The Extra Pharmacopoeia, 13. edition
European convention about international transport of hazardous material ADR
- Dangerous Goods Regulations (DGR) for the air transport (IATA)
International Maritime Dangerous Goods Code IMDG

Disclaimer of expressed and implied warranties:

The information contained in the safety data sheet refer to the manufacturer's current knowledge and are a guideline for the safe use, handling, disposal, storage and

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transportation, but 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.