

## Safety Data Sheet

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

**1.1 Product identifier** **SPACING VARNISH THINNER**

**1.2. Relevant identified uses of the substance or mixture and uses advised against**  
 Product is used for thinning the space varnish REF 411.

**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 (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.
Aspiration hazard	Hazard Category 1	H304 May be fatal if swallowed.
Skin corrosion/irritation	Hazard Category 2	H315 Skin corrosion/irritation
Serious eye damage/eye irritation	Hazard Category 2	H319 Extremely irritate eyes.

**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.  
 H304 May be fatal if swallowed.  
 H315 Skin corrosion/irritation  
 H319 Extremely irritate eyes.

**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.  
 P331 Do not induce vomiting.

*Disposal*

P501 Dispose of contents/containers in accordance with local regulation

**2.3 Other hazards**

PBT and vPvB evaluations are in section 12.5

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

**3.1 Substance**

See section 3.2

**3.2 Mixture**

Chemical name	CAS Nr.	%	Classification according to EC 1272/2008
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	EC-Number INDEX number		Hazardous class/hazardous category	Hazardous phrases
Ethyl acetate	607-022-00-5 205-500-4 141-78-6	20-80	Flam.Liq.2 Eye irrit. 2 STOT SE 3	H225 H319 H336
Toluene	601-021-00-3 203-625-9 108-88-3	15-40	Flam. Liq. 2 Repr. 2 Asp. Tox. 1 STOT RE 2 * Skin Irrit. 2 STOT SE 3	H225 H361d *** H304 H373 ** H315 H336

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

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

*Common warning:*

Take off contaminated clothes immediately.

*Inhalation:*

Fresh air, relax the airways, seek for medical attention.

*Skin contact:*

Wash with plenty of soap and water.

*Eye contact:*

Rinse eyes with plenty of water for approx. 10-15 minutes, seek for medical attention.

*Ingestion:*

First wash the mouth with plenty of water and then drink 100 ml of water with activated charcoal. Do not induce vomiting. Get medical attention 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, CO<sub>2</sub>, 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**

Provide fresh air.

### **6.2 Environmental precautions**

Do not allow flowing into sewage system.

### **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**

Ensure good ventilation of the working place. The vapors are heavier than air and form explosive mixtures with him. Keep away from sources of ignition and electrostatic charge.

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

In original packaging, in a cool, well-ventilated place. Do not store above 40 ° C.

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

Product is used for coating of stone model.

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

#### **8.1 Control parameters**

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

#### **Ethyl acetate**

<b>OEL</b>	Short-term exposure: 1468 mg/m <sup>3</sup> , 400 ppm Long-term exposure: 734 mg/m <sup>3</sup> , 200 ppm Y, EU
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#### **Sestavine z mejnimi vrednostmi, ki jih je treba upoštevati in nadzorovati na delovnem mestu**

#### **Toluen**

<b>MV</b>	Short-term exposure: 384 mg/m <sup>3</sup> , 100 ppm Long-term exposure: 192 mg/m <sup>3</sup> , 50 ppm K, Y, BAT, EU
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#### **8.2 Exposure controls**

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

#### **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).

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### 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
Odour	Aromatic
Boiling point	77,1°C
Melting point	-83°C
Flammability	430°C
Pressure	50 mbar (20°C)
Density	0,93 g/cm <sup>3</sup> (20°C) (H <sub>2</sub> O=1)
Melting in water	partly soluble (20°C)
Lower explosive limit	2,1 vol. %
Upper explosive limit	11,5 vol. %

### 9.2 Other information

No additional information relevant to safe use.

## **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 open fire and source of ignition.

### 10.5 Incompatible materials

No data available

### 10.6 Hazardous decomposition products

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Non with proper use. When burning, CO<sub>2</sub> and CO is released.

### **SECTION 11: Toxicological information**

#### **11.1 Information on toxicological effects**

Due to the excessive exposure to toluene can cause nervous system disorders, kidney damage, liver, heart and lungs.

#### **Chemical name: Toluene**

Acute toxicity-oral: LD50 (rat): 636 mg/kg

Acute toxicity-dermal: LD50 (rabbit): 14100 □g/kg

Acute toxicity-Inhalational: LC50 (rat): 49mg/m<sup>3</sup>(4h)

#### **Chemical name: Ethyl acetate**

Acute toxicity-oral: LD50 (rat): 5620 mg/kg

Acute toxicity-dermal: LD50 (rabbit): 4935mg/kg

Acute toxicity-Inhalational: LC50 (mouse): 50mg/L (2h)

#### **Sensibility**

*Inhalation:* At higher concentrations the mucous membranes is irritated and has a narcotic effect.

*Skin contact:* In the case of prolonged exposure is because of skin degreasing dermatitis possible.

*Ingestion:* Nausea with vomiting. Danger is aspiration into the lungs.

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

#### **12.1 Toxicity**

Do not merge into drains. The effect on fish is not excluded.

#### **Toluene:**

Toxicity (Daphnia magna) LC50 = 11,5mg/L (48h)

Toxicity (fish) LC50 = 2,1 mg/L (96h)

Toxicity (algae) LC50 = 12,5 mg/L (72h)

#### **Ethyl acetate: (Daphnia magna) EC50 = 717mg/L (48h)**

Toxicity (fish) LC50 = 230mg/L (96h)

Toxicity (algae) IC50 = 3300mg/L (16h)

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**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:* Remove 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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<b>SECTION 14: Transport Information</b>			
	ADR/RID	IMDG	IATA
<b>14.1 UN number</b>	UN 1263	UN 1263	UN 1263
<b>14.2 UN proper shipping name</b>	PAINT RELATED MATERIAL		
<b>14.3 Transport hazard class(es)</b>			
Class	3	3	3
Classification code	F1	/	/
Hazard identification	33	/	/
Label	3		
Tunnel restriction code	(D/E)	/	/
<b>14.4 Packing group</b>	II	II	II
<b>14.5 Environmental hazards</b>	No environmental hazard		
<b>14.6 Special precautions for user</b>	No special precautions		
<b>14.7 Transport in bulk according to Annex II of Marpol and the IBC Code</b>	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**

*Revision:*

## Safety Data Sheet

Version 07 issued on February 2020 in accordance with EC 1907/2006 (Commission Regulation (EU) 2015/830) and EC 1272/2008.

### *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:*

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;  
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 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.