

Safety Data Sheet

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

1.1 Product identifier **SPACING VARNISH REF 411**

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:

Flam. Liq. 3; H225 Eye. Irrit. 2; H319 Skin Irrit. 2; H315 Repr. 2; H316d STOT SE 3;
H336 STOT RE *; H373 Asp. Tox. 1; H304

2.2 Label elements

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

Hazard pictograms:

Safety Data Sheet



Signal word: DANGER

Hazard statements:

H225 Easy inflammable liquid and vapour.

H304 May be fatal if swallowed.

H332 May be health-damaging inhaling

H361d Suspected of damaging fertility or the unborn child.

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

The substance listed on the label

Ethyl acetate, Toluene

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

Safety Data Sheet

3.2 Mixture

Chemical name	CAS Nr. EC-Number INDEX number	%	Classification according to EC 1272/2008	
			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	20-40	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

No data available.

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:

Safety Data Sheet

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

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.

Safety Data Sheet

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Directive 98/24/EC with all amendments and implementation.

Official Gazette RS, nr. 100/01, 39/05, 53/07, 102/10, 43/11 – ZVZD-1, 38/15, 78/18, 78/19, 72/21

Ethyl acetate

OEL	Short-term exposure: 1468 mg/m ³ , 400 ppm Long-term exposure: 734 mg/m ³ , 200 ppm Y, EU
------------	---

Toluene

OEL	Short-term exposure: 384 mg/m ³ , 100 ppm Long-term exposure: 192 mg/m ³ , 50 ppm K, Y, BAT, EU
------------	---

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).

8.3 Control of environment protection

Common instructions: Do not wash rinse with fresh water or to drainage system. If the

Safety Data Sheet

aqueduct or drainage system is contaminated, inform competent authorities immediately.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state: Liquid

Colour silver

Smell: aromatic

Vapor pressure (20°C)

86 hPa

Flammability (firm, aerially)

n.d.

Flash point (°C)

-2.4°C

Odor threshold

35 ppm

Dissolubility in water (20°C)

49 g/l

Lower explosion limit

1.92 % (V)

Upper explosion limit

10.62 % (V)

oxidizing characteristics

n.a.

ph-value (20°C)

n.d.

Vapor density (20°C)

0.9 g/cm³

Relative density (20°C)

3.04

Initial boiling point /-range (°C)

83 °C

Melting / freezing point (°C)

-86 °C

Spontaneous ignition temperature (°C)

468 °C

Evaporation rate

0.4

n-octanol-water partition coefficient (log Kow)

1.07

Viscosity, flow time (23°C)

n.d.

Safety Data Sheet

Viscosity, dynamic (mPas/20°C)

0.6

Decomposition temperature (°C)

n.d.

Explosive characteristics

The product is not explosive.

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 open fire and source of ignition.

10.5 Incompatible materials

No data available

10.6 Hazardous decomposition products

None with proper use. When burning, CO₂ and CO is released.

SECTION 11: Toxicological information

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

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 mg/kg

Acute toxicity-Inhalational: LC50 (rat): 49mg/m³(4h)

Chemical name: Ethyl acetate

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

Safety Data Sheet

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:

(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)

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.

Safety Data Sheet

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. I. 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.

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		

Safety Data Sheet

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:

Version 08 issued on May 2023 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

Safety Data Sheet

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 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.