

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

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. |
| 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:

Safety Data Sheet



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

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

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 implamentationa.

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

Ethyl acetate

OEL

Short-term exposure: 1468 mg/m³, 400 ppm
 Long-term exposure: 734 mg/m³, 200 ppm
 Y, EU

Toluene

OEL

Short-term exposure: 384 mg/m³, 100 ppm
 Long-term exposure: 192 mg/m³, 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).

Safety Data Sheet

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

Smell: aromatic

Boiling point: 77,1°C

Melting point: -83°C

Flammability: 430°C

Pressure: 50 mbar (20°C)

Density: 0,93 g/cm³ (20°C)

(H₂O=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 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

Safety Data Sheet

10.6 Hazardous decomposition products

Non with proper use. When burning, CO₂ 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 mg/kg

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

(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)

Safety Data Sheet

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.

Safety Data Sheet

| 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 Transport in bulk according to Annex II of Marpol and the IBC Code | 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
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;
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.