



## Safety Data Sheet

**Signal word: DANGER**

**Hazard statements:**

H225 Easy inflammable liquid and vapour.

H304 May be fatal if swallowed.

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

**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. 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	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

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### **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:*

Water mist, foam, dust, CO<sub>2</sub>, 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

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### **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.

### **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](#), [72/21](#)

#### **Ethyl acetate**

##### **OEL**

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

**Sestavine z mejnimi vrednostmi, ki jih je treba upoštevati in nadzorovati na delovnem mestu**

#### **Toluen**

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<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).

### 8.3 Control of environment protection

Common instructions: Do not wash rinse with fresh water or to drainage system. If the 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 form	Liquid
Colour	Transparent
Odour	Aromatic
Vapor pressure (20°C) 86 hPa Flammability (firm, aerially)	

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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/cm<sup>3</sup>  
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.  
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.

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### **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**

Non with proper use. When burning, CO<sub>2</sub> 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 µg/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)

**Skin corrosion / irritation:** Causes skin irritation. If skin irritation occurs: Get medical advice / attention. IF ON SKIN: Wash with plenty of soap and water.

**Serious eye damage / irritation:** Causes serious eye irritation. If eye irritation persists: Get medical attention / care.

**Respiratory or skin sensitization:** 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.

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**Germ cell mutagenicity:** No data available. The product does not contain any components that would cause genetic damage.

**Carcinogenicity:** No data available. The product does not contain any components known to cause carcinogens.

**Reproductive toxicity:** Suspected of damaging the unborn child. Obtain special instructions before use. Do not use until you are familiar with all safety precautions. IF exposed or suspected of exposure: Get medical attention / care. Use personal protective equipment as required.

**STOT single exposure:** May cause drowsiness or dizziness. Use only outdoors or in a well-ventilated area.

**STOT-repeated exposure:** May cause damage to organs through prolonged or repeated exposure. Get medical help / care if you feel unwell. Do not eat, drink or smoke while using this product.

Do not breathe dust / fumes / gas / mist / vapors / spray.

**Aspiration hazard:** May be fatal if swallowed.

DO NOT induce vomiting. IF SWALLOWED: Immediately call a POISON CENTER or doctor / physician.

### **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)

#### **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**



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No data available.

### **12.6 Endocrine disrupting properties**

No data available.

### **12.7 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 Maritime transport in bulk according to IMO instruments</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:*

Version 08 issued on May 2023 in accordance with EC 1907/2006 (Commission Regulation (EU) 2015/830) and EC 1272/2008.

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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<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, 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.