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## LEGASTUCCO L100

### BINDING RESIN FOR SMOOTHING WOODEN FLOORS

Quick-drying solvent-based binding resin for mixing with wood powder to grout and smooth parquet floors.

#### TECHNICAL CHARACTERISTICS:

- Monocomponent
- Colourless
- High-performance (filling properties)
- Can be coated over using water-based or solvent-based products
- Quick drying

## LEGASTUCCO L100 FAST

#### TECHNICAL CHARACTERISTICS:

- Super-quick drying
- More pleasant smell

#### SPECIAL PROPERTIES:



Emission class as per French regulations.

#### WHERE IT CAN BE APPLIED:

- Flooring with non-locking 10-mm solid wood battens
- Mosaic parquet flooring
- Solid wood strip flooring (industrial)
- Interlocking tongue-and-groove flooring

#### DO NOT USE:

- On non-absorbent bases
- On materials other than wood or finished flooring already varnished

CONTINUE

## LEGASTUCCO L100



### SPECIFIC CHARACTERISTICS (normal conditions):

Appearance:	Colourless viscous liquid
Brookfield viscosity at 20°C (mPa*s):	900 – 1100
Yield:	100/120 gr/m <sup>2</sup> (may vary depending on the porosity and the cracks of the surface to be treated)
Usage temperature (°C):	+10 to +30
Dry dust free (minutes):	20 - 30
Sanding (minutes):	40 - 60
Application/Equipment:	Smooth stainless steel trowel
Equipment cleaning:	SOLVENTE GR7 solvent, before the product sets
Storage (months): temperature between +5 °C and +25 °C	12
Disposal information:	Dispose of in compliance with the local and national regulations in force
Packaging:	10 l
Usage limitations:	Make sure the room is ventilated during use and during the setting stage, avoiding draughts. Flammable product. Proceed with varnishing using our water or solvent-based single or bicomponent varnishing products. Always use suitable personal protective equipment Always consult the technical and safety information sheets
GISCODE:	RU 1

### SURFACE PREPARATION:

Polish the parquet floor first to obtain a smooth surface, free of oil, grease and wax.

### APPLICATION:

Leave the product to reach room temperature and stir carefully before use. Apply at an ambient temperature between 10 °C and 30 °C. To obtain an even mix, the product should be mixed in a ratio of approximately 1:1 with the dust created when sanding the surface being treated.

Given the large variety of types of wood present on the market, it is always advisable to carry out tests to verify possible differences in tone.

Spread the product with a smooth stainless steel plastering trowel, applying the mix to the cracks, or preferably applying a complete skim coat to the flooring. Repeat this step several times if necessary.

Once dry (approximately 40 - 60 minutes under normal conditions), sand with fine abrasive paper, removing dry product residue completely. Failing to remove excess bonding product may lead to floor colour changes after varnishing.

Remove residual bonding agent from the trowel using our SOLVENT GR7 before the product has set. LEGASTUCCO L 100 can only be removed mechanically once it has hardened. Proceed with varnishing using our water or solvent-based single or bicomponent varnishing products.

Always use suitable personal protective equipment.

### HAZARD PICTOGRAMS:

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## Safety data sheet

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

#### 1.1. Product identifier.

Code: L100FAST  
Product name: LEGASTUCCO L100 FAST

#### 1.2. Relevant identified uses of the substance or mixture and uses advised against.

Intended use: Bonding resin for shaving and grouting of wooden floors, fast drying formula.

#### For professional use.

#### 1.3. Details of the supplier of the safety data sheet.

Name: Adesiv s.r.l.  
Full address: Via Delle Rose, 31  
District and Country: 36061 Bassano del Grappa (Vicenza)  
Italia  
Tel. 0424 566406  
Fax. 0424 566473

e-mail address of the competent person.  
responsible for the Safety Data Sheet.

laboratorio@adesiv.it

#### 1.4. Emergency telephone number.

For urgent inquiries refer to:  
Poison centres (24/24 h)  
Italy: +39 02 6610 1029  
Germany: +49 30 192 40  
UK: +44 844 892 0111  
France: +33 (0) 1 40 05 48 48  
Spain: +34 91 562 0420  
Russia: +7 495 628 1687

### SECTION 2. Hazards identification.

#### 2.1. Classification of the substance or mixture.

The product is classified as hazardous pursuant to the provisions set forth in EC Regulation 1272/2008 (CLP) (and subsequent amendments and supplements). The product thus requires a safety datasheet that complies with the provisions of EC Regulation 1907/2006 and subsequent amendments. Any additional information concerning the risks for health and/or the environment are given in sections 11 and 12 of this sheet.

#### Hazard classification and indication:

Flammable liquid, category 2	H225	Highly flammable liquid and vapour.
Eye irritation, category 2	H319	Causes serious eye irritation.
Specific target organ toxicity - single exposure, category 3	H336	May cause drowsiness or dizziness.

#### 2.2. Label elements.

Hazard labelling pursuant to EC Regulation 1272/2008 (CLP) and subsequent amendments and supplements.

**L100FAST - LEGASTUCCO L100 FAST**

Hazard pictograms:



Signal words: Danger

Hazard statements:

**H225** Highly flammable liquid and vapour.  
**H319** Causes serious eye irritation.  
**H336** May cause drowsiness or dizziness.  
**EUH066** Repeated exposure may cause skin dryness or cracking.

Precautionary statements:

**P210** Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
**P233** Keep container tightly closed.  
**P264** Wash hands thoroughly after handling.  
**P280** Wear protective gloves / eye protection / face protection.  
**P304+P340** IF INHALED: remove person to fresh air and keep comfortable for breathing.  
**P312** Call a POISON CENTER / doctor if you feel unwell.  
**P370+P378** In case of fire: use foam, chemical powder or carbon dioxide to extinguish.

**Contains:** Acetone  
Propan-2-ol  
Ethyl acetate

**2.3. Other hazards.**

On the basis of available data, the product does not contain any PBT or vPvB in percentage greater than 0,1%.

**SECTION 3. Composition/information on ingredients.****3.2. Mixtures.**

Contains:

The full wording of hazard (H) phrases is given in section 16 of the sheet.

Identification.	Concentration, %	Classification 1272/2008 (CLP).
<b>Acetone</b>		
CAS. 67-64-1	70 - 90	Flam. Liq. 2 H225, Eye Irrit. 2 H319, STOT SE 3 H336
EC. 200-662-2		
INDEX. 606-001-00-8		
Reg. no. 01-2119471330-49-XXXX		
<b>Propan-2-ol</b>		
CAS. 67-63-0	< 3.5	Flam. Liq. 2 H225, Eye Irrit. 2 H319, STOT SE 3 H336
EC. 200-661-7		



INDEX. 603-117-00-0

Reg. no. 01-2119457558-25-XXXX

**Xylene (mixture of isomers)**

CAS. 1330-20-7

< 2

Flam. Liq. 3 H226, Acute Tox. 4 H312, Acute Tox. 4 H332, Asp. Tox. 1 H304, STOT RE 2 H373, Eye Irrit. 2 H319, Skin Irrit. 2 H315, STOT SE 3 H335

EC. 215-535-7

INDEX. 601-022-00-9

Reg. no. 01-2119488216-32-XXXX

**Ethyl acetate**

CAS. 141-78-6

< 2

Flam. Liq. 2 H225, Eye Irrit. 2 H319, STOT SE 3 H336

EC. 205-500-4

INDEX. 607-022-00-5

Reg. no. 01-2119475103-46-XXXX

**Ethylbenzene**

CAS. 100-41-4

Impurity contained in Xylene.

Flam. Liq. 2 H225, Acute Tox. 4 H332, Asp. Tox. 1 H304, STOT RE 2 H373

EC. 202-849-4

INDEX. 601-023-00-4

## SECTION 4. First aid measures.

### 4.1. Description of first aid measures.

EYES: Remove contact lenses, if present. Wash immediately with plenty of water for at least 15 minutes, opening the eyelids fully. If problem persists, seek medical advice.

SKIN: Remove contaminated clothing. Wash immediately with plenty of water. If irritation persists, get medical advice/attention. Wash contaminated clothing before using it again.

INHALATION: Remove to open air. In the event of breathing difficulties, get medical advice/attention immediately.

INGESTION: Get medical advice/attention. Induce vomiting only if indicated by the doctor. Never give anything by mouth to an unconscious person, unless authorised by a doctor.

### 4.2. Most important symptoms and effects, both acute and delayed.

Specific information on symptoms and effects caused by the product are unknown.

For symptoms and effects caused by the contained substances, see chap. 11.

### 4.3. Indication of any immediate medical attention and special treatment needed.

Information not available.

## SECTION 5. Firefighting measures.

### 5.1. Extinguishing media.

#### SUITABLE EXTINGUISHING EQUIPMENT

Extinguishing substances are: carbon dioxide and chemical powder. For product loss or leakage that has not caught fire, water spray can be used to disperse flammable vapours and protect those trying to stem the leak.

#### UNSUITABLE EXTINGUISHING EQUIPMENT



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Do not use jets of water.

Water is not effective for putting out fires but can be used to cool containers exposed to flames to prevent explosions.

### 5.2. Special hazards arising from the substance or mixture.

#### HAZARDS CAUSED BY EXPOSURE IN THE EVENT OF FIRE

If large quantities of the product are involved in a fire, they can make it considerably worse. Do not breathe combustion products.

### 5.3. Advice for firefighters.

#### GENERAL INFORMATION

In the case of fire, use jets of water to cool the containers to prevent the risk of explosions (product decomposition and excess pressure) and the development of substances potentially hazardous for health. Always wear full fire prevention gear. Remove all containers containing the product from the fire, if it is safe to do so.

#### SPECIAL PROTECTIVE EQUIPMENT FOR FIRE-FIGHTERS

Normal fire fighting clothing i.e. fire kit (BS EN 469), gloves (BS EN 659) and boots (HO specification A29 and A30) in combination with self-contained open circuit positive pressure compressed air breathing apparatus (BS EN 137).

## SECTION 6. Accidental release measures.

### 6.1. Personal precautions, protective equipment and emergency procedures.

Block the leakage if there is no hazard.

Wear suitable protective equipment (including personal protective equipment referred to under Section 8 of the safety data sheet) to prevent any contamination of skin, eyes and personal clothing. These indications apply for both processing staff and those involved in emergency procedures.

Send away individuals who are not suitably equipped. Eliminate all sources of ignition (cigarettes, flames, sparks, etc.) from the leakage site.

### 6.2. Environmental precautions.

The product must not penetrate into the sewer system or come into contact with surface water or ground water.

### 6.3. Methods and material for containment and cleaning up.

Collect the leaked product into a suitable container. If the product is flammable, use explosion-proof equipment. Evaluate the compatibility of the container to be used, by checking section 10. Absorb the remainder with inert absorbent material.

Make sure the leakage site is well aired. Contaminated material should be disposed of in compliance with the provisions set forth in point 13.

### 6.4. Reference to other sections.

Any information on personal protection and disposal is given in sections 8 and 13.

## SECTION 7. Handling and storage.

### 7.1. Precautions for safe handling.

Ensure that there is an adequate earthing system for the equipment and personnel. Avoid contact with eyes and skin. Do not breathe powders, vapours or mists. Do not eat, drink or smoke during use. Wash hands after use. Avoid leakage of the product into the environment.

Keep away from heat, sparks and naked flames; do not smoke or use matches or lighters. Without adequate ventilation, vapours may accumulate at ground level and, if ignited, catch fire even at a distance, with the danger of backfire. Avoid bunching of electrostatic charges. In order to avoid the risk of fires and explosions, never use compressed air when handling. Open containers with caution as they may be pressurised.

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

Store only in the original container. Store in a ventilated and dry place, far away from sources of ignition. Keep containers well sealed. Keep the product



in clearly labelled containers. Avoid overheating. Avoid violent blows. Keep containers away from any incompatible materials, see section 10 for details.

Store in a well ventilated place, keep far away from sources of heat, naked flames and sparks and other sources of ignition.

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

Information not available.

## SECTION 8. Exposure controls/personal protection.

### 8.1. Control parameters.

Regulatory References:

BGR	България	МИНИСТЕРСТВО НА ТРУДА И СОЦИАЛНАТА ПОЛИТИКА МИНИСТЕРСТВО НА ЗДРАВЕОПАЗВАНЕТО НАРЕДБА No 13 от 30 декември 2003 г
DEU	Deutschland	MAK-und BAT-Werte-Liste 2012
DNK	Danmark	Graensevaerdier per stoffer og materialer
ESP	España	INSHT - Límites de exposición profesional para agentes químicos en España 2015
FRA	France	JORF n°0109 du 10 mai 2012 page 8773 texte n° 102
GBR	United Kingdom	EH40/2005 Workplace exposure limits
GRC	Ελλάδα	ΕΦΗΜΕΡΙΣ ΤΗΣ ΚΥΒΕΡΝΗΣΕΩΣ -ΤΕΥΧΟΣ ΠΡΩΤΟ Αρ. Φύλλου 19 - 9 Φεβρουαρίου 2012
HRV	Hrvatska	NN13/09 - Ministarstvo gospodarstva, rada i poduzetništva
HUN	Magyarország	50/2011. (XII. 22.) NGM rendelet a munkahelyek kémiai biztonságáról
ITA	Italia	Decreto Legislativo 9 Aprile 2008, n.81
NLD	Nederland	Databank of the social and Economic Concil of Netherlands (SER) Values, AF 2011:18
POL	Polska	ROZPORZĄDZENIE MINISTRA PRACY I POLITYKI SPOŁECZNEJ z dnia 16 grudnia 2011r
PRT	Portugal	Ministério da Economia e do Emprego Consolida as prescrições mínimas em matéria de protecção dos trabalhadores contra os riscos para a segurança e a saúde devido à exposição a agentes químicos no trabalho - Diário da República I 26; 2012-02-06
SVN	Slovenija	Uradni list Republike Slovenije 15. 6. 2007
EU	OEL EU	Directive 2009/161/EU; Directive 2006/15/EC; Directive 2004/37/EC; Directive 2000/39/EC.
	TLV-ACGIH	ACGIH 2016

### Acetone

#### Threshold Limit Value.

Type	Country	TWA/8h		STEL/15min	
		mg/m3	ppm	mg/m3	ppm
TLV	BGR	600		1400	
AGW	DEU	1200	500	2400	1000
MAK	DEU	1200	500	2400	1000
TLV	DNK	600	250		
VLA	ESP	1210	500		
VLEP	FRA	1210	500	2420	1000





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WEL	GBR	1210	500	3620	1500
TLV	GRC	1780		3560	
GVI	HRV	1210	500		
AK	HUN	1210		2420	
VLEP	ITA	1210	500		
OEL	NLD	1210		2420	
NDS	POL	600		1800	
VLE	PRT	1210	500		
MV	SVN	1210	500		
OEL	EU	1210	500		
TLV-ACGIH		1187	500	1781	750

Predicted no-effect concentration - PNEC.

Normal value in fresh water	10,6	mg/l
Normal value in marine water	1,06	mg/l
Normal value for fresh water sediment	30,4	mg/kg
Normal value for marine water sediment	2,04	mg/kg
Normal value for water, intermittent release	21	mg/l
Normal value of STP microorganisms	100	mg/l
Normal value for the terrestrial compartment	29,5	mg/kg

**Health - Derived no-effect level - DNEL / DMEL**

Route of exposure	Effects on consumers.			Effects on workers				
	Acute local	Acute systemic	Chronic local	Chronic systemic	Acute local	Acute systemic	Chronic local	Chronic systemic
Oral.				62 mg/kg bw/d				
Inhalation.				200 mg/m3		2420 mg/m3		1210 mg/m3
Skin.				62 mg/kg bw/d				186 mg/kg bw/d

**Propan-2-ol**

**Threshold Limit Value.**

Type	Country	TWA/8h		STEL/15min	
		mg/m3	ppm	mg/m3	ppm
TLV	BGR	980		1225	
AGW	DEU	500	200	1000	400
MAK	DEU	500	200	1000	400
TLV	DNK	490	200		
VLA	ESP	500	200	1000	400
VLEP	FRA			980	400
WEL	GBR	999	400	1250	500
TLV	GRC	980	400	1225	500
GVI	HRV	999	400	1250	500
AK	HUN	500		2000	
OEL	NLD	650			
NDS	POL	900		1200	
MV	SVN	500	200		
TLV-ACGIH		492	200	983	400

Predicted no-effect concentration - PNEC.

Normal value in fresh water	140,9	mg/l
Normal value in marine water	140,9	mg/l
Normal value for fresh water sediment	552	mg/kg/d
Normal value for marine water sediment	552	mg/kg/d

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Normal value of STP microorganisms	2251	mg/l
Normal value for the food chain (secondary poisoning)	160	mg/kg food
Normal value for the terrestrial compartment	28	mg/kg/d

**Health - Derived no-effect level - DNEL / DMEL**

Route of exposure	Effects on consumers.			Chronic systemic	Effects on workers		
	Acute local	Acute systemic	Chronic local		Acute local	Acute systemic	Chronic local
Oral.				26 mg/kg bw/d			
Inhalation.				89 mg/m3			500 mg/m3
Skin.				319 mg/kg bw/d			888 mg/kg bw/d

**Xylene (mixture of isomers)****Threshold Limit Value.**

Type	Country	TWA/8h		STEL/15min		
		mg/m3	ppm	mg/m3	ppm	
TLV	BGR	221		442		SKIN.
AGW	DEU	440	100	880	200	SKIN.
MAK	DEU	440	100	880	200	SKIN.
VLA	ESP	221	50	442	100	SKIN.
VLEP	FRA	221	50	442	100	SKIN.
WEL	GBR	220	50	441	100	
TLV	GRC	435	100	650	150	
GVI	HRV	221	50	442	100	SKIN.
AK	HUN	221		442		SKIN.
VLEP	ITA	221	50	442	100	SKIN.
OEL	NLD	210		442		SKIN.
NDS	POL	100				
VLE	PRT	221	50	442	100	SKIN.
MV	SVN	221	50			SKIN.
OEL	EU	221	50	442	100	SKIN.
TLV-ACGIH		434	100	651	150	

**Predicted no-effect concentration - PNEC.**

Normal value in fresh water	0,327	mg/l
Normal value in marine water	0,327	mg/l
Normal value for fresh water sediment	12,46	mg/kg/d
Normal value for marine water sediment	12,46	mg/kg/d
Normal value of STP microorganisms	6,58	mg/l
Normal value for the terrestrial compartment	2,31	mg/kg/d

**Health - Derived no-effect level - DNEL / DMEL**

Route of exposure	Effects on consumers.			Chronic systemic	Effects on workers		
	Acute local	Acute systemic	Chronic local		Acute local	Acute systemic	Chronic local
Oral.				1,06 mg/kg bw/d			
Inhalation.				14,8 mg/m3	289 mg/m3		77 mg/m3
Skin.				108 mg/kg bw/d			180 mg/kg bw/d

**Ethyl acetate****Threshold Limit Value.**

Type	Country	TWA/8h		STEL/15min	
		mg/m3	ppm	mg/m3	ppm



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TLV	BGR	800			
AGW	DEU	1500	400	3000	800
MAK	DEU	1500	400	3000	800
TLV	DNK	540	150		
VLA	ESP	1460	400		
VLEP	FRA	1400	400		
WEL	GBR		200		400
TLV	GRC	1400	400		
GVI	HRV		200		400
AK	HUN	1400		1400	
OEL	NLD	550		1100	
NDS	POL	200		600	
OEL	EU	734	200	1468	400
TLV-ACGIH		1441	400		

Predicted no-effect concentration - PNEC.

Normal value in fresh water	0,24	mg/l
Normal value in marine water	0,024	mg/l
Normal value for fresh water sediment	1,15	mg/kg
Normal value for marine water sediment	0,115	mg/kg
Normal value for water, intermittent release	1,65	mg/l
Normal value of STP microorganisms	650	mg/l
Normal value for the food chain (secondary poisoning)	250	mg/kg food
Normal value for the terrestrial compartment	0,148	mg/kg/d

**Health - Derived no-effect level - DNEL / DMEL**

Route of exposure	Effects on consumers.			Chronic systemic 4,5 mg/kg bw/d	Effects on workers			
	Acute local	Acute systemic	Chronic local		Acute local	Acute systemic	Chronic local	Chronic systemic
Oral.								
Inhalation.	734 mg/m3	734 mg/m3	367 mg/m3	367 mg/m3	1468 mg/m3	1468 mg/m3	734 mg/m3	734 mg/m3
Skin.				37 mg/kg bw/d				63 mg/kg bw/d

**Ethylbenzene**

**Threshold Limit Value.**

Type	Country	TWA/8h	STEL/15min		
		mg/m3	ppm	mg/m3	
TLV	BGR	435		545	SKIN.
AGW	DEU	440	100	880	200 SKIN.
MAK	DEU	88	20	176	40 SKIN.
TLV	DNK	217	50		
VLA	ESP	441	100	884	200 SKIN.
VLEP	FRA	88,4	20	442	100 SKIN.
WEL	GBR	441	100	552	125 SKIN.
TLV	GRC	435	100	545	125
GVI	HRV	442	100	884	200 SKIN.
AK	HUN	442		884	
VLEP	ITA	442	100	884	200 SKIN.
OEL	NLD	215		430	SKIN.
NDS	POL	200		400	
VLE	PRT	442	100	884	200 SKIN.

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OEL	EU	442	100	884	200	SKIN.
TLV-ACGIH		87	20			

**Predicted no-effect concentration - PNEC.**

Normal value in fresh water	0,1	mg/l
Normal value in marine water	0,01	mg/l
Normal value for fresh water sediment	13,7	mg/kg/d
Normal value for marine water sediment	1,37	mg/kg/d
Normal value of STP microorganisms	9,6	mg/l
Normal value for the food chain (secondary poisoning)	20	mg/kg food
Normal value for the terrestrial compartment	2,68	mg/kg/d

**Health - Derived no-effect level - DNEL / DMEL**

Route of exposure	Effects on consumers.			Effects on workers				
	Acute local	Acute systemic	Chronic local	Chronic systemic	Acute local	Acute systemic	Chronic local	Chronic systemic
Oral.				1,6 mg/kg bw/d				
Inhalation.				15 mg/m3				77 mg/m3
Skin.								180 mg/kg bw/d

## Legend:

(C) = CEILING ; INHAL = Inhalable Fraction ; RESP = Respirable Fraction ; THORA = Thoracic Fraction.

VND = hazard identified but no DNEL/PNEC available ; NEA = no exposure expected ; NPI = no hazard identified.

**8.2. Exposure controls.**

As the use of adequate technical equipment must always take priority over personal protective equipment, make sure that the workplace is well aired through effective local aspiration. Personal protective equipment must be CE marked, showing that it complies with applicable standards.

Provide an emergency shower with face and eye wash station.

**HAND PROTECTION**

Protect hands with category III work gloves (see standard EN 374).

The following should be considered when choosing work glove material: compatibility, degradation, failure time and permeability.

The work gloves' resistance to chemical agents should be checked before use, as it can be unpredictable. The gloves' wear time depends on the duration and type of use.

**SKIN PROTECTION**

Wear category I professional long-sleeved overalls and safety footwear (see Directive 89/686/EEC and standard EN ISO 20344). Wash body with soap and water after removing protective clothing.

Consider the appropriateness of providing antistatic clothing in the case of working environments in which there is a risk of explosion.

**EYE PROTECTION**

Wear airtight protective goggles (see standard EN 166).

**RESPIRATORY PROTECTION**

If the threshold value (e.g. TLV-TWA) is exceeded for the substance or one of the substances present in the product, wear a mask with a type AX filter, whose limit of use will be defined by the manufacturer (see standard EN 14387). In the presence of gases or vapours of various kinds and/or gases or vapours containing particulate (aerosol sprays, fumes, mists, etc.) combined filters are required.

Respiratory protection devices must be used if the technical measures adopted are not suitable for restricting the worker's exposure to the threshold values considered. The protection provided by masks is in any case limited.

If the substance considered is odourless or its olfactory threshold is higher than the corresponding TLV-TWA and in the case of an emergency, wear open-circuit compressed air breathing apparatus (in compliance with standard EN 137) or external air-intake breathing apparatus (in compliance with standard EN 138). For a correct choice of respiratory protection device, see standard EN 529.

**ENVIRONMENTAL EXPOSURE CONTROLS.**



The emissions generated by manufacturing processes, including those generated by ventilation equipment, should be checked to ensure compliance with environmental standards.

## SECTION 9. Physical and chemical properties.

### 9.1. Information on basic physical and chemical properties.

Appearance	dense liquid
Colour	transparent
Odour	Fruit, solvent
Odour threshold.	Not available.
pH.	Not available.
Melting point / freezing point.	Not available.
Initial boiling point.	> 35°C
Boiling range.	Not available.
Flash point.	-17 °C (acetone)
Evaporation Rate	Not available.
Flammability of solids and gases	Not available.
Lower inflammability limit.	Not available.
Upper inflammability limit.	Not available.
Lower explosive limit.	Not available.
Upper explosive limit.	Not available.
Vapour pressure.	Not available.
Vapour density	Not available.
Relative density.	0.9 – 0.95 kg/l @ 20°C
Solubility	Miscible in organic solvent
Partition coefficient: n-octanol/water	Not available.
Auto-ignition temperature.	Not available.
Decomposition temperature.	Not available.
Viscosity	800-1000 mPa*s (#2, 20 rpm) @ 20°C
Explosive properties	Not available.
Oxidising properties	Not available.

### 9.2. Other information.

Information not available.

## SECTION 10. Stability and reactivity.

### 10.1. Reactivity.

The product can decompose and/or react violently.

Acetone  
Decomposes under the effect of heat.

Ethyl acetate  
Decomposes slowly into acetic acid and ethanol under the effect of light, air and water.

### 10.2. Chemical stability.

See previous paragraph.

### 10.3. Possibility of hazardous reactions.

See paragraph 10.1.



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Acetone  
Risk of explosion on contact with: bromine trifluoride, fluorine dioxide, hydrogen peroxide, nitrosyl chloride, 2-methyl-1,3 butadiene, nitromethane, nitrosyl perchlorate. May react dangerously with: potassium tert-butoxide, alkaline hydroxides, bromine, bromoform, isoprene, sodium, sulphur dioxide, chromium trioxide, chromyl chloride, nitric acid, chloroform, peroxymonosulphuric acid, phosphoryl oxychloride, chromosulphuric acid, fluorine, strong oxidising agents, strong reducing agents. Develops flammable gas on contact with: nitrosyl perchlorate.

Xylene (mixture of isomers)  
Stable in normal conditions of use and storage. Reacts violently with: strong oxidants, strong acids, nitric acid, perchlorates. May form explosive mixtures with: air.

Ethyl acetate  
Risk of explosion on contact with: alkaline metals, hydrides, oleum. May react violently with: fluorine, strong oxidising agents, chlorosulphuric acid, potassium tert-butoxide. Forms explosive mixtures with: air.

Ethylbenzene  
Reacts violently with: strong oxidants. Attacks various types of plastic materials. May form explosive mixtures with: air.

#### 10.4. Conditions to avoid.

As the product decomposes even at ambient temperature, it must be stored and used at a controlled temperature. Avoid violent blows.

Acetone  
Avoid exposure to: sources of heat, naked flames.

Ethyl acetate  
Avoid exposure to: light, sources of heat, naked flames.

#### 10.5. Incompatible materials.

Acetone  
Incompatible with: acids, oxidising substances.

Ethyl acetate  
Incompatible with: acids, bases, strong oxidants, aluminium, nitrates, chlorosulphuric acid. Incompatible materials: plastic materials.

#### 10.6. Hazardous decomposition products.

Acetone  
May develop: ketenes, irritant substances.

Ethylbenzene  
May develop: methane, styrene, hydrogen, ethane.

### SECTION 11. Toxicological information.

#### 11.1. Information on toxicological effects.

In the absence of experimental data for the product itself, health hazards are evaluated according to the properties of the substances it contains, using the criteria specified in the applicable regulation for classification.  
It is therefore necessary to take into account the concentration of the individual hazardous substances indicated in section 3, to evaluate the toxicological effects of exposure to the product.

#### ACUTE TOXICITY.

LC50 (Inhalation - vapours) of the mixture: 543,210 mg/l  
LC50 (Inhalation - mists / powders) of the mixture: Not classified (no significant component).  
LD50 (Oral) of the mixture: Not classified (no significant component).



LD50 (Dermal) of the mixture:54320,988 mg/kg

**XYLENE (MIXTURE OF ISOMERS)**

LD50 (Oral) 3523 mg/kg rat  
LD50 (Dermal) > 4200 mg/kg rabbit  
LC50 (Inhalation) 6350 ppm/4h rat

**ETHYLBENZENE**

LD50 (Oral) 3500 mg/kg rat  
LD50 (Dermal) 15400 mg/kg rabbit  
LC50 (Inhalation) 6,2 mg/l/4h rat

**PROPAN-2-OL**

LD50 (Oral) 5840 mg/kg rat  
LD50 (Dermal) 12800 mg/kg rat  
LC50 (Inhalation) 72,6 mg/l/4h rat

**ACETONE**

LD50 (Oral) 5800 mg/kg rat  
LD50 (Dermal) 7400 mg/kg rat  
LC50 (Inhalation) 132 mg/l/3h rat

**ETHYL ACETATE**

LD50 (Oral) 4934 mg/kg rat  
LD50 (Dermal) > 20000 mg/kg rabbit  
LC50 (Inhalation) > 6000 ppm/6h rat

**SKIN CORROSION / IRRITATION.**

Does not meet the classification criteria for this hazard class.

**SERIOUS EYE DAMAGE / IRRITATION.**

Causes serious eye irritation.

**RESPIRATORY OR SKIN SENSITISATION.**

Does not meet the classification criteria for this hazard class.

**GERM CELL MUTAGENICITY.**

Does not meet the classification criteria for this hazard class.

**CARCINOGENICITY.**

Does not meet the classification criteria for this hazard class.

**REPRODUCTIVE TOXICITY.**

Does not meet the classification criteria for this hazard class.

**STOT - SINGLE EXPOSURE.**

May cause drowsiness or dizziness.

**STOT - REPEATED EXPOSURE.**

Does not meet the classification criteria for this hazard class.

**ASPIRATION HAZARD.**

Does not meet the classification criteria for this hazard class. Viscosity: 800-1000 mPa\*s, 20°C

## SECTION 12. Ecological information.

### 12.1. Toxicity.

Use this product according to good working practices. Avoid littering. Inform the competent authorities, should the product reach waterways or contaminate soil or vegetation.

**XYLENE (MIXTURE OF ISOMERS)**

LC50 - for Fish.	2,6 mg/l/96h Oncorhynchus Mykiss
EC50 - for Crustacea.	2,2 mg/l/48h Daphnia Magna
EC50 - for Algae / Aquatic Plants.	2,2 mg/l/72h Selenastrum Capricornutum
Chronic NOEC for Fish.	1,3 mg/l Oncorhynchus Mykiss

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Chronic NOEC for Crustacea.

1,17 mg/l Daphnia sp.

Chronic NOEC for Algae / Aquatic Plants.

0,44 mg/l Selenastrum Capricornutum

**ETHYLBENZENE**

LC50 - for Fish.

5,1 mg/l/96h Menidia menidia

EC50 - for Crustacea.

2,6 mg/l/48h Mysidopsis bahia

EC50 - for Algae / Aquatic Plants.

3,6 mg/l/72h 96h Selenastrum capricornutum

**PROPAN-2-OL**

LC50 - for Fish.

10000 mg/l/96h Pimephales promelas

EC50 - for Crustacea.

> 10000 mg/l/24h Daphnia magna

EC50 - for Algae / Aquatic Plants.

1800 mg/l/72h 8 d, concentrazione tossica di soglia, Scenedesmus quadricauda

**ACETONE**

LC50 - for Fish.

7163 mg/l/96h Pimephales promelas

EC50 - for Crustacea.

8800 mg/l/48h Daphnia pulex

Chronic NOEC for Algae / Aquatic Plants.

530 mg/l Microcystis aeruginosa, 8 d

**ETHYL ACETATE**

LC50 - for Fish.

220 mg/l/96h Pimephales promelas

EC50 - for Crustacea.

3090 mg/l/48h Daphnia Magna

Chronic NOEC for Algae / Aquatic Plants.

> 100 mg/l Desmodesmus subspicatus

**12.2. Persistence and degradability.**

**XYLENE (MIXTURE OF ISOMERS)**

Solubility in water.

100 - 1000 mg/l

Biodegradability: Information not available.

**ETHYLBENZENE**

Solubility in water.

1000 - 10000 mg/l

Rapidly biodegradable.

**PROPAN-2-OL**

Rapidly biodegradable.

**ACETONE**

Rapidly biodegradable.

**ETHYL ACETATE**

Solubility in water.

> 10000 mg/l

Rapidly biodegradable.



**12.3. Bioaccumulative potential.**

## XYLENE (MIXTURE OF ISOMERS)

Partition coefficient: n-octanol/water.	3,12
BCF.	25,9

## ETHYLBENZENE

Partition coefficient: n-octanol/water.	3,6
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## PROPAN-2-OL

Partition coefficient: n-octanol/water.	0,05
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## ACETONE

Partition coefficient: n-octanol/water.	-0,23
BCF.	3

## ETHYL ACETATE

Partition coefficient: n-octanol/water.	0,68
BCF.	30

**12.4. Mobility in soil.**

## XYLENE (MIXTURE OF ISOMERS)

Partition coefficient: soil/water.	2,73
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**12.5. Results of PBT and vPvB assessment.**

On the basis of available data, the product does not contain any PBT or vPvB in percentage greater than 0,1%.

**12.6. Other adverse effects.**

Information not available.

**SECTION 13. Disposal considerations.****13.1. Waste treatment methods.**

Reuse, when possible. Product residues should be considered special hazardous waste. The hazard level of waste containing this product should be evaluated according to applicable regulations.

Disposal must be performed through an authorised waste management firm, in compliance with national and local regulations.

Waste transportation may be subject to ADR restrictions.

**CONTAMINATED PACKAGING**

Contaminated packaging must be recovered or disposed of in compliance with national waste management regulations.

**SECTION 14. Transport information.**



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**14.1. UN number.**

ADR / RID, IMDG, 1866  
IATA:

**14.2. UN proper shipping name.**

ADR / RID: RESIN  
SOLUTION  
IMDG: RESIN  
SOLUTION  
IATA: RESIN  
SOLUTION

**14.3. Transport hazard class(es).**

ADR / RID: Class: 3 Label: 3  
IMDG: Class: 3 Label: 3  
IATA: Class: 3 Label: 3



**14.4. Packing group.**

ADR / RID, IMDG, II  
IATA:

**14.5. Environmental hazards.**

ADR / RID: NO  
IMDG: NO  
IATA: NO

**14.6. Special precautions for user.**

ADR / RID:	HIN - Kemler: 33	Limited Quantities: 5 L	Tunnel restriction code: (D/E)
	Special Provision: 640C		
IMDG:	EMS: F-E, <u>S-E</u>	Limited Quantities: 5 L	
	Cargo:	Maximum quantity: 60 L	Packaging instructions: 364
	Pass.:	Maximum quantity: 5 L	Packaging instructions: 353
	Special Instructions:	A3	

**14.7. Transport in bulk according to Annex II of Marpol and the IBC Code.**



Information not relevant.

## SECTION 15. Regulatory information.

### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture.

Seveso Category - Directive 2012/18/EC: P5c

Restrictions relating to the product or contained substances pursuant to Annex XVII to EC Regulation 1907/2006.

Product.

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Substances in Candidate List (Art. 59 REACH).

On the basis of available data, the product does not contain any SVHC in percentage greater than 0,1%.

Substances subject to authorisation (Annex XIV REACH).

None.

Substances subject to exportation reporting pursuant to (EC) Reg. 649/2012:

None.

Substances subject to the Rotterdam Convention:

None.

Substances subject to the Stockholm Convention:

None.

Healthcare controls.

Workers exposed to this chemical agent must not undergo health checks, provided that available risk-assessment data prove that the risks related to the workers' health and safety are modest and that the 98/24/EC directive is respected.

### 15.2. Chemical safety assessment.

No chemical safety assessment has been processed for the mixture and the substances it contains.

## SECTION 16. Other information.

Text of hazard (H) indications mentioned in section 2-3 of the sheet:

Flam. Liq. 2	Flammable liquid, category 2
Flam. Liq. 3	Flammable liquid, category 3
Acute Tox. 4	Acute toxicity, category 4

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<b>Asp. Tox. 1</b>	Aspiration hazard, category 1
<b>STOT RE 2</b>	Specific target organ toxicity - repeated exposure, category 2
<b>Eye Irrit. 2</b>	Eye irritation, category 2
<b>Skin Irrit. 2</b>	Skin irritation, category 2
<b>STOT SE 3</b>	Specific target organ toxicity - single exposure, category 3
<b>H225</b>	Highly flammable liquid and vapour.
<b>H226</b>	Flammable liquid and vapour.
<b>H312</b>	Harmful in contact with skin.
<b>H332</b>	Harmful if inhaled.
<b>H304</b>	May be fatal if swallowed and enters airways.
<b>H373</b>	May cause damage to organs through prolonged or repeated exposure.
<b>H319</b>	Causes serious eye irritation.
<b>H315</b>	Causes skin irritation.
<b>H335</b>	May cause respiratory irritation.
<b>H336</b>	May cause drowsiness or dizziness.
<b>EUH066</b>	Repeated exposure may cause skin dryness or cracking.

**LEGEND:**

- ADR: European Agreement concerning the carriage of Dangerous goods by Road
- CAS NUMBER: Chemical Abstract Service Number
- CE50: Effective concentration (required to induce a 50% effect)
- CE NUMBER: Identifier in ESIS (European archive of existing substances)
- CLP: EC Regulation 1272/2008
- DNEL: Derived No Effect Level
- EmS: Emergency Schedule
- GHS: Globally Harmonized System of classification and labeling of chemicals
- IATA DGR: International Air Transport Association Dangerous Goods Regulation
- IC50: Immobilization Concentration 50%
- IMDG: International Maritime Code for dangerous goods
- IMO: International Maritime Organization
- INDEX NUMBER: Identifier in Annex VI of CLP
- LC50: Lethal Concentration 50%
- LD50: Lethal dose 50%
- OEL: Occupational Exposure Level
- PBT: Persistent bioaccumulative and toxic as REACH Regulation
- PEC: Predicted environmental Concentration
- PEL: Predicted exposure level
- PNEC: Predicted no effect concentration
- REACH: EC Regulation 1907/2006
- RID: Regulation concerning the international transport of dangerous goods by train
- TLV: Threshold Limit Value
- TLV CEILING: Concentration that should not be exceeded during any time of occupational exposure.
- TWA STEL: Short-term exposure limit
- TWA: Time-weighted average exposure limit
- VOC: Volatile organic Compounds
- vPvB: Very Persistent and very Bioaccumulative as for REACH Regulation
- WGK: Water hazard classes (German).

**GENERAL BIBLIOGRAPHY**

1. Regulation (EU) 1907/2006 (REACH) of the European Parliament
2. Regulation (EC) 1272/2008 (CLP) of the European Parliament
3. Regulation (EU) 790/2009 (I Atp. CLP) of the European Parliament
4. Regulation (EU) 2015/830 of the European Parliament
5. Regulation (EU) 286/2011 (II Atp. CLP) of the European Parliament
6. Regulation (EU) 618/2012 (III Atp. CLP) of the European Parliament
7. Regulation (EU) 487/2013 (IV Atp. CLP) of the European Parliament



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- 8. Regulation (EU) 944/2013 (V Atp. CLP) of the European Parliament
- 9. Regulation (EU) 605/2014 (VI Atp. CLP) of the European Parliament
- 10. Regulation (EU) 2015/1221 (VII Atp. CLP) of the European Parliament
- The Merck Index. - 10th Edition
- Handling Chemical Safety
- INRS - Fiche Toxicologique (toxicological sheet)
- Patty - Industrial Hygiene and Toxicology
- N.I. Sax - Dangerous properties of Industrial Materials-7, 1989 Edition
- ECHA website

**Note for users:**

The information contained in the present sheet are based on our own knowledge on the date of the last version. Users must verify the suitability and thoroughness of provided information according to each specific use of the product.

This document must not be regarded as a guarantee on any specific product property.

The use of this product is not subject to our direct control; therefore, users must, under their own responsibility, comply with the current health and safety laws and regulations. The producer is relieved from any liability arising from improper uses.

Provide appointed staff with adequate training on how to use chemical products.