

Safety data sheet

according to Regulation (EC) No 1907/2006, Article 31

Printing date 25.06.2024

Version number 10 (replaces version 9)

Revision: 25.06.2024

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

1.1 Product identifier

Trade name: **PlasticTexturing Spray**

Article number: 70231

UFI: UQNA-MDX4-KH6R-05QF

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

No further relevant information available.

Application of the substance / the mixture

Lacquer
Priming

1.3 Details of the supplier of the safety data sheet

Manufacturer/Supplier: AKEMI chemisch technische Spezialfabrik GmbH
Lechstrasse 28
D 90451 Nürnberg

Tel. +49(0)911-642960
Fax. +49(0)911-644456
e-mail info@akemi.de

Further information obtainable from:

Laboratory

1.4 Emergency telephone number:

Product Safety Department AKEMI chemisch technische Spezialfabrik GmbH
Tel. +49(0)911-64296-59
Reachable during the following office hours:
Monday – Thursday from 07:30 a.m. to 16:30 p.m.
Friday from 07:30 a.m. to 13:30 p.m.

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008

Aerosol 1 H222-H229 Extremely flammable aerosol. Pressurised container: May burst if heated.

Skin Irrit. 2 H315 Causes skin irritation.

Eye Irrit. 2 H319 Causes serious eye irritation.

STOT SE 3 H336 May cause drowsiness or dizziness.

STOT RE 2 H373 May cause damage to organs through prolonged or repeated exposure.

Response: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
If eye irritation persists: Get medical advice/attention.
IF INHALED: Remove person to fresh air and keep comfortable for breathing.
Call a POISON CENTER/doctor if you feel unwell.

Storage: Store in a well-ventilated place. Keep cool.
Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.
Store locked up.

2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008

Hazard pictograms

The product is classified and labelled according to the CLP regulation.



GHS02 GHS07 GHS08

Signal word

Danger

Hazard-determining components of labelling:

acetone
reaction mass of ethylbenzole and xylene
n-butyl acetate
2-methoxy-1-methylethyl acetate

(Contd. on page 2)

Safety data sheet

according to Regulation (EC) No 1907/2006, Article 31

Printing date 25.06.2024

Version number 10 (replaces version 9)

Revision: 25.06.2024

Trade name: PlasticTexturing Spray

(Contd. of page 1)

· <u>Hazard statements</u>	H222-H229 Extremely flammable aerosol. Pressurised container: May burst if heated.
	H315 Causes skin irritation.
	H319 Causes serious eye irritation.
	H336 May cause drowsiness or dizziness.
	H373 May cause damage to organs through prolonged or repeated exposure.
· <u>Precautionary statements</u>	P101 If medical advice is needed, have product container or label at hand.
	P102 Keep out of reach of children.
	P103 Read carefully and follow all instructions.
	P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
	P211 Do not spray on an open flame or other ignition source.
	P251 Do not pierce or burn, even after use.
	P260 Do not breathe spray.
	P280 Wear protective gloves / eye protection.
	P302+P352 IF ON SKIN: Wash with plenty of water.
	P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
	P312 Call a POISON CENTER/doctor if you feel unwell.
	P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.
	P501 Dispose of contents/container in accordance with local/regional/national/international regulations.
· <u>Additional information:</u>	Contains epoxy constituents. May produce an allergic reaction. Product contains: Reportable explosives precursors. Making available, introduction, possession and use according to Regulation (EU) 2019/1148, Article 9. Buildup of explosive mixtures possible without sufficient ventilation.
· 2.3 Other hazards	
· <u>Results of PBT and vPvB assessment</u>	
· PBT:	Not applicable.
· vPvB:	Not applicable.
· <u>Determination of endocrine-disrupting properties</u>	For information on endocrine disrupting properties see section 11.

SECTION 3: Composition/information on ingredients**3.2 Mixtures**· Description: Mixture of substances listed below with nonhazardous additions.· Dangerous components:

CAS: 67-64-1 EINECS: 200-662-2 Index number: 606-001-00-8 Reg.nr.: 01-2119471330-49	acetone ----- Flam. Liq. 2, H225 Eye Irrit. 2, H319; STOT SE 3, H336 EUH066	25-50%
CAS: 74-98-6 EINECS: 200-827-9 Index number: 601-003-00-5 Reg.nr.: 01-2119486944-21	propane ----- Flam. Gas 1A, H220 Press. Gas (Comp.), H280	12.5-25%
EC number: 905-588-0 Index number: 601-022-00-9 Reg.nr.: 01-2119488216-32 01-2119486136-34	reaction mass of ethylbenzole and xylene ----- Flam. Liq. 3, H226 STOT RE 2, H373; Asp. Tox. 1, H304 Acute Tox. 4, H312; Acute Tox. 4, H332; Skin Irrit. 2, H315; Eye Irrit. 2, H319; STOT SE 3, H335	12.5-25%

(Contd. on page 3)

Safety data sheet

according to Regulation (EC) No 1907/2006, Article 31

Printing date 25.06.2024

Version number 10 (replaces version 9)

Revision: 25.06.2024

Trade name: PlasticTexturing Spray

(Contd. of page 2)

CAS: 106-97-8 EINECS: 203-448-7 Index number: 601-004-00-0 Reg.nr.: 01-2119474691-32	butane, pure Flam. Gas 1A, H220 Press. Gas (Comp.), H280	<12.5%
CAS: 123-86-4 EINECS: 204-658-1 Index number: 607-025-00-1 Reg.nr.: 01-2119485493-29	n-butyl acetate Flam. Liq. 3, H226 STOT SE 3, H336 EUH066	<10%
CAS: 108-65-6 EINECS: 203-603-9 Index number: 607-195-00-7 Reg.nr.: 01-2119475791-29	2-methoxy-1-methylethyl acetate Flam. Liq. 3, H226 STOT SE 3, H336	1-5%
CAS: 75-28-5 EINECS: 200-857-2 Index number: 601-004-00-0 Reg.nr.: 01-2119485395-27	isobutane Flam. Gas 1A, H220 Press. Gas (Comp.), H280	1-5%

· Additional information: For the wording of the listed hazard phrases refer to section 16.

SECTION 4: First aid measures**4.1 Description of first aid measures**

- General information: Immediately remove any clothing soiled by the product. Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.
- After inhalation: Supply fresh air. If required, provide artificial respiration. Keep patient warm. Consult doctor if symptoms persist.
In case of unconsciousness place patient stably in side position for transportation.
- After skin contact: Immediately wash with water and soap and rinse thoroughly.
- After eye contact: Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
- After swallowing: Drink plenty of water and provide fresh air. Call for a doctor immediately.

4.2 Most important symptoms and effects, both acute and delayed

No further relevant information available.

4.3 Indication of any immediate medical attention and special treatment needed

No further relevant information available.

SECTION 5: Firefighting measures**5.1 Extinguishing media**

- Suitable extinguishing agents: CO₂, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
Use fire extinguishing methods suitable to surrounding conditions.
- For safety reasons unsuitable extinguishing agents: Water with full jet

5.2 Special hazards arising from the substance or mixture

In case of fire, the following can be released:
Carbon monoxide (CO)
Formation of toxic gases is possible during heating or in case of fire.

5.3 Advice for firefighters

- Protective equipment: Do not inhale explosion gases or combustion gases.
Mount respiratory protective device.

(Contd. on page 4)

Safety data sheet

according to Regulation (EC) No 1907/2006, Article 31

Printing date 25.06.2024

Version number 10 (replaces version 9)

Revision: 25.06.2024

Trade name: PlasticTexturing Spray

(Contd. of page 3)

· Additional information Cool endangered receptacles with water spray.**SECTION 6: Accidental release measures**· **6.1 Personal precautions, protective equipment and emergency procedures**Wear protective equipment. Keep unprotected persons away.
Mount respiratory protective device.· **6.2 Environmental precautions:**Do not allow product to reach sewage system or any water course.
Inform respective authorities in case of seepage into water course or sewage system.
Do not allow to enter sewers/ surface or ground water.· **6.3 Methods and material for containment and cleaning up:**Dispose of the material collected according to regulations.
Ensure adequate ventilation.· **6.4 Reference to other sections**Do not flush with water or aqueous cleansing agents
See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.**SECTION 7: Handling and storage**· **7.1 Precautions for safe handling**Keep away from heat and direct sunlight.
Ensure good ventilation/exhaustion at the workplace.
Open and handle receptacle with care.· Information about fire - and explosion protection:Fumes can combine with air to form an explosive mixture.
Do not spray onto a naked flame or any incandescent material.
Keep ignition sources away - Do not smoke.
Protect against electrostatic charges.
Pressurised container: protect from sunlight and do not expose to temperatures exceeding 50°C, i.e. electric lights. Do not pierce or burn, even after use.· **7.2 Conditions for safe storage, including any incompatibilities**· Storage:· Requirements to be met by storerooms and receptacles:Store in a cool location.
Observe official regulations on storing packagings with pressurised containers.· Information about storage in one common storage facility:

Not required.

· Further information about storage conditions:Do not seal receptacle gas tight.
Store in cool, dry conditions in well sealed receptacles.
Protect from heat and direct sunlight.· Storage class:

2 B

· **7.3 Specific end use(s)**

No further relevant information available.

SECTION 8: Exposure controls/personal protection· **8.1 Control parameters**· Ingredients with limit values that require monitoring at the workplace:**67-64-1 acetone**IOELV | Long-term value: 1210 mg/m³, 500 ppm

(Contd. on page 5)

Safety data sheet

according to Regulation (EC) No 1907/2006, Article 31

Printing date 25.06.2024

Version number 10 (replaces version 9)

Revision: 25.06.2024

Trade name: PlasticTexturing Spray

(Contd. of page 4)

reaction mass of ethylbenzole and xylene

AGW	Short-term value: 442 mg/m ³ , 100 ppm Long-term value: 221 mg/m ³ , 50 ppm H
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123-86-4 n-butyl acetate

IOELV	Short-term value: 723 mg/m ³ , 150 ppm Long-term value: 241 mg/m ³ , 50 ppm
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108-65-6 2-methoxy-1-methylethyl acetate

IOELV	Short-term value: 550 mg/m ³ , 100 ppm Long-term value: 275 mg/m ³ , 50 ppm Skin
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· DNELs

67-64-1 acetone

Oral	DNEL (Langzeit-wiederholt)	62 mg/kg bw/day (BEV)
Dermal	DNEL (Langzeit-wiederholt)	186 mg/kg bw/day (ARB)
		62 mg/kg bw/day (BEV)
Inhalative	DNEL (Kurzzeit-akut)	2,420 mg/m ³ Air (ARB)
	DNEL (Langzeit-wiederholt)	1,210 mg/m ³ Air (ARB)
		200 mg/m ³ Air (BEV)

reaction mass of ethylbenzole and xylene

Oral	DNEL (Langzeit-wiederholt)	1.6 mg/kg bw/day (BEV)
Dermal	DNEL (Langzeit-wiederholt)	180-212 mg/kg bw/day (ARB)
		108 mg/kg bw/day (BEV)
Inhalative	DNEL (Kurzzeit-akut)	289-442 mg/m ³ Air (ARB)
		260 mg/m ³ Air (BEV)
		211-221 mg/m ³ Air (ARB)
	DNEL (Langzeit-wiederholt)	14.8-65.3 mg/m ³ Air (BEV)

123-86-4 n-butyl acetate

Oral	DNEL (Kurzzeit-akut)	2 mg/kg bw/day (BEV)
Dermal	DNEL (Langzeit-wiederholt)	2 mg/kg bw/day (BEV)
		11 mg/kg bw/day (ARB)
Inhalative	DNEL (Kurzzeit-akut)	6 mg/kg bw/day (BEV)
		11 mg/kg bw/day (ARB)
	DNEL (Langzeit-wiederholt)	6 mg/kg bw/day (BEV)
		6 mg/kg bw/day (BEV)
Inhalative	DNEL (Kurzzeit-akut)	600 mg/m ³ Air (ARB)
		300 mg/m ³ Air (BEV)
		48-300 mg/m ³ Air (ARB)
	DNEL (Langzeit-wiederholt)	12-35.7 mg/m ³ Air (BEV)

108-65-6 2-methoxy-1-methylethyl acetate

Oral	DNEL (Kurzzeit-akut)	500 mg/kg bw/day (BEV)
Dermal	DNEL (Langzeit-wiederholt)	1.67 mg/kg bw/day (BEV)
		153.5 mg/kg bw/day (ARB)
Inhalative	DNEL (Langzeit-wiederholt)	54.8 mg/kg bw/day (BEV)
		550 mg/m ³ Air (ARB)
	DNEL (Kurzzeit-akut)	33 mg/m ³ Air (BEV)
		275 mg/m ³ Air (ARB)

(Contd. on page 6)

Safety data sheet

according to Regulation (EC) No 1907/2006, Article 31

Printing date 25.06.2024

Version number 10 (replaces version 9)

Revision: 25.06.2024

Trade name: PlasticTexturing Spray

(Contd. of page 5)

33 mg/m³ Air (BEV)· **PNECs****67-64-1 acetone**

PNEC (wässrig)	100 mg/l (KA)
	1.06 mg/l (MW)
	10.6 mg/l (SW)
	21 mg/l (WAS)
PNEC (fest)	29.5 mg/kg Trockengew (BO)
	3.04 mg/kg Trockengew (MWS)
	30.4 mg/kg Trockengew (SWS)

reaction mass of ethylbenzole and xylene

PNEC (wässrig)	6.58 mg/l (KA)
	0.327 mg/l (MW)
	0.327 mg/l (SW)
	0.327 mg/l (WAS)
PNEC (fest)	2.31 mg/kg Trockengew (BO)
	12.46 mg/kg Trockengew (MWS)
	12.46 mg/kg Trockengew (SWS)

123-86-4 n-butyl acetate

PNEC (wässrig)	35.6 mg/l (KA)
	0.018 mg/l (MW)
	0.18 mg/l (SW)
	0.36 mg/l (WAS)
PNEC (fest)	0.0903 mg/kg Trockengew (BO)
	0.0981 mg/kg Trockengew (MWS)
	0.981 mg/kg Trockengew (SWS)

108-65-6 2-methoxy-1-methylethyl acetate

PNEC (wässrig)	100 mg/l (KA)
	0.0635 mg/l (MW)
	0.635 mg/l (SW)
	6.35 mg/l (WAS)
PNEC (fest)	0.29 mg/kg Trockengew (BO)
	0.329 mg/kg Trockengew (MWS)
	3.29 mg/kg Trockengew (SWS)

· **Additional information:** The lists valid during the making were used as basis.· **8.2 Exposure controls**

- **Appropriate engineering controls** No further data; see section 7.
- **Individual protection measures, such as personal protective equipment**
- **General protective and hygienic measures:**

Do not eat, drink, smoke or sniff while working.
 Use skin protection cream for skin protection.
 Be sure to clean skin thoroughly after work and before breaks.
 Keep away from foodstuffs, beverages and feed.
 Immediately remove all soiled and contaminated clothing
 Wash hands before breaks and at the end of work.
 Do not inhale gases / fumes / aerosols.
 Avoid contact with the eyes.
 Avoid contact with the eyes and skin.

(Contd. on page 7)

Safety data sheet

according to Regulation (EC) No 1907/2006, Article 31

Printing date 25.06.2024

Version number 10 (replaces version 9)

Revision: 25.06.2024

Trade name: PlasticTexturing Spray

(Contd. of page 6)


- Respiratory protection: Short term filter device:
Filter AX
In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device. Use suitable respiratory protective device in case of insufficient ventilation.
- Hand protection Preventive skin protection by use of skin-protecting agents is recommended. After use of gloves apply skin-cleaning agents and skin cosmetics.
The protection gloves to be used have to comply with the specifications of the directive 89/686/EC and the directive derived decree EN374, respectively, e.g. the above listed protection glove type. The mentioned permeation times' data were generated and verified with material samples of the recommended protection glove type in the scope of laboratory analyses of the company KCL GmbH in compliance with EN374.
This recommendation refers exclusively to the material safety data sheet referenced product delivered by Akemi and the indicated field of application. In case of product dilution or in case of mixture with different substances or chemicals, and in condition of EN374 deviation the producer of CE-approved protection gloves must be contacted for detailed information (e.g., KCL GmbH, Germany, 36124 Eichenzell, internet: <http://www.kcl.de>).

**Protective gloves**

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

- Material of gloves Butyl rubber, BR
Chloroprene rubber, CR
The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.
- Penetration time of glove material Value for the permeation: Level ≤ 1 , 10 min
The exact break trough time has to be found out by the manufacturer of the protective gloves and has to be observed.
- As protection from splashes gloves made of the following materials are suitable: Butyl rubber, BR
Butoject (KCL, Art_No. 897, 898)
Chloroprene rubber, CR
- Not suitable are gloves made of the following materials: Nitrile rubber, NBR
Neoprene gloves
Leather gloves
Strong material gloves
- Eye/face protection  Tightly sealed goggles
- Body protection: Protective work clothing

(Contd. on page 8)

Safety data sheet

according to Regulation (EC) No 1907/2006, Article 31

Printing date 25.06.2024

Version number 10 (replaces version 9)

Revision: 25.06.2024

Trade name: PlasticTexturing Spray

(Contd. of page 7)

SECTION 9: Physical and chemical properties**· 9.1 Information on basic physical and chemical properties**

· <u>General Information</u>	
· <u>Colour:</u>	According to product specification
· <u>Odour:</u>	Specific type
· <u>Melting point/freezing point:</u>	Undetermined.
· <u>Boiling point or initial boiling point and boiling range</u>	Not applicable, as aerosol.
· <u>Lower and upper explosion limit</u>	
· <u>Lower:</u>	1.1 Vol %
· <u>Upper:</u>	13 Vol %
· <u>Flash point:</u>	Not applicable, as aerosol.
· <u>Auto-ignition temperature:</u>	365 °C
· <u>pH</u>	Not determined.
	Not applicable
· <u>Viscosity:</u>	
· <u>Kinematic viscosity</u>	Not determined.
	Not applicable
· <u>Dynamic:</u>	
	Not determined.
	Not applicable
· <u>Solubility</u>	
· <u>water:</u>	Not miscible or difficult to mix.
· <u>Vapour pressure at 20 °C:</u>	8,300 hPa
· <u>Density and/or relative density</u>	
· <u>Density at 20 °C:</u>	0.8 g/cm ³

· 9.2 Other information

· <u>Appearance:</u>	
· <u>Form:</u>	Aerosol
· <u>Important information on protection of health and environment, and on safety.</u>	
· <u>Ignition temperature:</u>	Product is not selfigniting.
· <u>Explosive properties:</u>	In use, may form flammable/explosive vapour-air mixture.
· <u>Solvent content:</u>	
· <u>Organic solvents:</u>	82.9 %
· <u>Solids content:</u>	9.1 %

· Information with regard to physical hazard classes

· <u>Explosives</u>	Void
· <u>Flammable gases</u>	Void
· <u>Aerosols</u>	Extremely flammable aerosol. Pressurised container: May burst if heated.
· <u>Oxidising gases</u>	Void
· <u>Gases under pressure</u>	Void
· <u>Flammable liquids</u>	Void
· <u>Flammable solids</u>	Void
· <u>Self-reactive substances and mixtures</u>	Void
· <u>Pyrophoric liquids</u>	Void
· <u>Pyrophoric solids</u>	Void
· <u>Self-heating substances and mixtures</u>	Void
· <u>Substances and mixtures, which emit flammable gases in contact with water</u>	Void
· <u>Oxidising liquids</u>	Void
· <u>Oxidising solids</u>	Void
· <u>Organic peroxides</u>	Void
· <u>Corrosive to metals</u>	Void

(Contd. on page 9)

EU

Safety data sheet

according to Regulation (EC) No 1907/2006, Article 31

Printing date 25.06.2024

Version number 10 (replaces version 9)

Revision: 25.06.2024

Trade name: PlasticTexturing Spray

(Contd. of page 8)

· Desensitised explosives

Void

SECTION 10: Stability and reactivity

- **10.1 Reactivity** No further relevant information available.
- **10.2 Chemical stability**
- Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.
- **10.3 Possibility of hazardous reactions** No dangerous reactions known.
- **10.4 Conditions to avoid** No further relevant information available.
- **10.5 Incompatible materials:** No further relevant information available.
- **10.6 Hazardous decomposition products:** No dangerous decomposition products known.

SECTION 11: Toxicological information

- **11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008**
- Acute toxicity Based on available data, the classification criteria are not met.

· LD/LC50 values relevant for classification:**67-64-1 acetone**

Oral	LD50	5,800 mg/kg (rat) (OECD 401)
	NOEL	900 mg/kg (rat)
Dermal	LD50	15,688 mg/kg (rat)
		7,426-15,800 mg/kg (rabbit)
Inhalative	LC50/4 h	76 mg/l (rat)
	NOAEL	22,500 mg/m ³ (rat)
	LC50/48h	8,450 mg/l (crustaceans) 2,262 mg/l (daphnia magna)

74-98-6 propane

Inhalative	LC50/4 h	>20 mg/l (rat)
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reaction mass of ethylbenzole and xylene

Oral	LD50	3,523 mg/kg (rat)
	NOAEL-Werte	250 mg/kg (rat)
Dermal	LD50	12,126 mg/kg (rabbit)
Inhalative	LC50/4h	29,000 mg/m ³ (rat)
	LC50/4 h	27.124 mg/l (rat)

106-97-8 butane, pure

Inhalative	LC50/4 h	658 mg/l (rat)
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123-86-4 n-butyl acetate

Oral	LD50	10,760 mg/kg (rat) (OECD 423)
Dermal	LD50	>14,112 mg/kg (rabbit) (OECD 402)
Inhalative	LC50/4 h	23.4 mg/l (rat) (OECD 403)
	LC50	390 mg/m ³ (rat)
	LC50/48h	64 mg/l (Brachydanio rerio)

108-65-6 2-methoxy-1-methylethyl acetate

Oral	LD50	8,500 mg/kg (rat) (OECD 401)
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(Contd. on page 10)

Safety data sheet

according to Regulation (EC) No 1907/2006, Article 31

Printing date 25.06.2024

Version number 10 (replaces version 9)

Revision: 25.06.2024

Trade name: PlasticTexturing Spray

(Contd. of page 9)

Dermal	NOAEL-Werte	1,500 mg/kg (rat)
	LD50	>5,000 mg/kg (rabbit) (OECD 402) >2,000 mg/kg (rat)
Inhalative	LC50/4h	>10,000 mg/m ³ (rat)
	LC50	>23.8 mg/l (rat)
	LC50/4 h	35.7 mg/l (rat)
	LC50/48h	100 mg/l (Desmodesmus subspicatus)

75-28-5 isobutane

Inhalative	LC50/4 h	>50 mg/l (rat)
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- Skin corrosion/irritation Causes skin irritation.
- Serious eye damage/irritation Causes serious eye irritation.
- Respiratory or skin sensitisation Based on available data, the classification criteria are not met.
- Germ cell mutagenicity Based on available data, the classification criteria are not met.
- Carcinogenicity Based on available data, the classification criteria are not met.
- Reproductive toxicity Based on available data, the classification criteria are not met.
- STOT-single exposure May cause drowsiness or dizziness.
- STOT-repeated exposure May cause damage to organs through prolonged or repeated exposure.
- Aspiration hazard Based on available data, the classification criteria are not met.

11.2 Information on other hazards

- Endocrine disrupting properties

None of the ingredients is listed.

SECTION 12: Ecological information**12.1 Toxicity**

- Aquatic toxicity:

67-64-1 acetone

EC50/96h	7,200 mg/l (algae)
	8,300 mg/l (piscis)
	8,300 mg/l (lepomis macrochirus)
	7,500 mg/l (senastrum capricornutum)
EC50	1,700 mg/l (bacteria)
LC50	6,368 mg/l (piscis)
LC50/24h	8,800 mg/l (daphnia)
EC5/16h	1,700 mg/l (pseudomonas putida)
EC5/72h	28 mg/l (Entosiphon sulcatum)
EC5/8d	530 mg/l (microorganisms)
IC5/8d	7,500 mg/l (Scenedesmus quadricauda)
EC50/48h	3,400 mg/l (algae)
	8,800 mg/l (daphnia magna)
NOEC	1,700 mg/kg (pseudomonas putida)
	4,740 mg/kg (senastrum capricornutum)
NOELR/28d	2,212 mg/l (daphnia magna)
EC50/48h	12,600 mg/l (Danio rerio.)
	8,800 mg/l (daphnia magna)
LC50/96h	8,300 mg/l (lem)
	8,300 mg/l (lepomis macrochirus)

(Contd. on page 11)

Safety data sheet

according to Regulation (EC) No 1907/2006, Article 31

Printing date 25.06.2024

Version number 10 (replaces version 9)

Revision: 25.06.2024

Trade name: PlasticTexturing Spray

(Contd. of page 10)

7,500 mg/l (Leuciscus idus)
5,540 mg/l (Oncorhynchus mykiss)
8,120 mg/l (Pimephales promelas)

reaction mass of ethylbenzole and xylene

LC50/24h	1 mg/l (daphnia magna) (OECD 202)
EC50/48h	3.2-9.5 mg/l (daphnia magna) (US EPA)
ErC50/72h	4.9 mg/l (Pseudokirchneriella subcapitata) (OECD 201)
NOEC	16 mg/l (BES) 1.3 mg/l (Oncorhynchus mykiss)
NOELR/72h	0.44 mg/l (algae)
NOEC/21d	1.57 mg/l (daphnia magna) (OECD 211)
NOELR/28d	16 mg/l (bacteria)
EC50/72h	1-10 mg/l (algae) 2.2 mg/l (selenastrum capricornutum) (OECD 201)
LC50/96h	1-10 mg/l (fish) 86 mg/l (Leuciscus idus) 2.6 mg/l (Oncorhynchus mykiss) (OECD 203) 8.9-16.4 mg/l (pimephales promelas)

123-86-4 n-butyl acetate

EC50/24h	72.8 mg/l (daphnia magna) (DIN 38412)
EC50/96h	320 mg/l (algae)
LC50/24h	205 mg/l (daphnia magna)
IC50/72h	648 mg/l (Desmodesmus subspicatus)
EC10/18h	959 mg/l (pseudomonas putida)
EC50/48h	44 mg/l (daphnia magna) (OECD 202)
EC50/16h	959 mg/l (pseudomonas putida)
NOEC	200 mg/kg (Desmodesmus subspicatus)
NOEC/21d	23 mg/l (daphnia magna) (OECD 211)
EC50/72h	647.7 mg/l (Desmodesmus subspicatus) (Zellvermehrungshemmtest) 397 mg/l (Scenedesmus subspicatus)
LC50/96h	62 mg/l (Danio rerio.) 81 mg/l (piscis) 100 mg/l (Iepomis macrochirus) 62 mg/l (Leuciscus idus) (DIN 38412) 18 mg/l (pimephales promelas) (OECD 203)

108-65-6 2-methoxy-1-methylethyl acetate

EC50	>100 mg/l (daphnia magna)
LC50	63.5 mg/l (Oryzias latipes)
EC50/48h	>500 mg/l (daphnia magna) (RL 67/548/EWG. Anhang V, C.2.)
ErC50/72h	>1,000 mg/l (Pseudokirchneriella subcapitata) (OECD 201)
EC20/0.5h	>1,000 mg/l (BES) (OECD 209)
NOEC	47.5 mg/l (Oryzias latipes)
NOEC/21d	≥100 mg/l (daphnia magna)
EC10	>1,000 mg/l (BES)
EC50/72h	>1,000 mg/l (Pseudokirchneriella subcapitata)

(Contd. on page 12)

Safety data sheet

according to Regulation (EC) No 1907/2006, Article 31

Printing date 25.06.2024

Version number 10 (replaces version 9)

Revision: 25.06.2024

Trade name: PlasticTexturing Spray

(Contd. of page 11)

LC50/96h	100-180 mg/l (Oncorhynchus mykiss) >1,000 mg/l (Oryzias latipes) 161 mg/l (Pimephales promelas)
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- **12.2 Persistence and degradability** No further relevant information available.
- **12.3 Bioaccumulative potential** No further relevant information available.
- **12.4 Mobility in soil** No further relevant information available.
- **12.5 Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **12.6 Endocrine disrupting properties** The product does not contain substances with endocrine disrupting properties.
- **12.7 Other adverse effects**
- **Additional ecological information:**
- **General notes:** Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.
Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water

SECTION 13: Disposal considerations

- **13.1 Waste treatment methods**
- **Recommendation** Must not be disposed together with household garbage. Do not allow product to reach sewage system.

· **European waste catalogue**

08 00 00	WASTES FROM THE MANUFACTURE, FORMULATION, SUPPLY AND USE (MFSU) OF COATINGS (PAINTS, VARNISHES AND VITREOUS ENAMELS), ADHESIVES, SEALANTS AND PRINTING INKS
08 01 00	wastes from MFSU and removal of paint and varnish
08 01 11*	waste paint and varnish containing organic solvents or other hazardous substances
15 00 00	WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED
15 01 00	packaging (including separately collected municipal packaging waste)
15 01 04	metallic packaging
15 00 00	WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED
15 01 00	packaging (including separately collected municipal packaging waste)
15 01 10*	packaging containing residues of or contaminated by hazardous substances

- **Uncleaned packaging:**
- **Recommendation:** Empty contaminated packagings thoroughly. They may be recycled after thorough and proper cleaning.

SECTION 14: Transport information

- **14.1 UN number or ID number**
- **ADR, IMDG, IATA** UN1950
- **14.2 UN proper shipping name**
- **ADR** 1950 AEROSOLS
- **IMDG** AEROSOLS
- **IATA** AEROSOLS, flammable

(Contd. on page 13)

EU

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Revision: 25.06.2024

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(Contd. of page 12)

· 14.3 Transport hazard class(es)· ADR

· Class 2.5F Gases.
 · Label 2.1

· IMDG, IATA

· Class 2.1 Gases.
 · Label 2.1

· 14.4 Packing group· ADR, IMDG, IATA Void**· 14.5 Environmental hazards:**· Marine pollutant: No**· 14.6 Special precautions for user**

· Hazard identification number (Kemler code): -
 · EMS Number: F-D,S-U
 · Stowage Code SW1 Protected from sources of heat.
 SW22 For AEROSOLS with a maximum capacity of 1 litre:
 Category A. For AEROSOLS with a capacity above 1 litre:
 Category B. For WASTE AEROSOLS: Category C, Clear of
 living quarters.
 · Segregation Code SG69 For AEROSOLS with a maximum capacity of 1 litre:
 Segregation as for class 9. Stow "separated from" class 1
 except for division 1.4.
 For AEROSOLS with a capacity above 1 litre:
 Segregation as for the appropriate subdivision of class 2.
 For WASTE AEROSOLS:
 Segregation as for the appropriate subdivision of class 2.

· 14.7 Maritime transport in bulk according to IMO instruments

Not applicable.

· Transport/Additional information:

· ADR
 · Limited quantities (LQ) 1L
 · Excepted quantities (EQ) Code: E0
 Not permitted as Excepted Quantity
 · Transport category 2
 · Tunnel restriction code D

· IMDG
 · Limited quantities (LQ) 1L
 · Excepted quantities (EQ) Code: E0
 Not permitted as Excepted Quantity

(Contd. on page 14)

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(Contd. of page 14)

Abbreviations and acronyms:

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)

ICAO: International Civil Aviation Organisation

ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

DNEL: Derived No-Effect Level (REACH)

PNEC: Predicted No-Effect Concentration (REACH)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

SVHC: Substances of Very High Concern

vPvB: very Persistent and very Bioaccumulative

ATE: Acute toxicity estimate values

Flam. Gas 1A: Flammable gases – Category 1A

Aerosol 1: Aerosols – Category 1

Press. Gas (Comp.): Gases under pressure – Compressed gas

Flam. Liq. 2: Flammable liquids – Category 2

Flam. Liq. 3: Flammable liquids – Category 3

Acute Tox. 4: Acute toxicity – Category 4

Skin Irrit. 2: Skin corrosion/irritation – Category 2

Eye Irrit. 2: Serious eye damage/eye irritation – Category 2

STOT SE 3: Specific target organ toxicity (single exposure) – Category 3

STOT RE 2: Specific target organ toxicity (repeated exposure) – Category 2

Asp. Tox. 1: Aspiration hazard – Category 1

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