

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 29.07.2022

Version number 4 (replaces version 3)

Revision: 29.07.2022

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

1.1 Product identifier

- Trade name: **Marble Filler Super**
- Article number: 10714, 10730
- UFI: M1X2-P0DU-Y00W-0H5H

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

Acrylic resin

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

Flam. Liq. 2 H225 Highly flammable liquid and vapour.

Skin Irrit. 2 H315 Causes skin irritation.

Skin Sens. 1 H317 May cause an allergic skin reaction.

STOT SE 3 H335 May cause respiratory irritation.

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

Signal word

Danger

Hazard-determining components of labelling:

methyl methacrylate
2,2'-ethylenedioxydiethylmethacrylate
ethylene mercaptoacetate
n-butyl acrylate
tris(nonylphenyl) phosphite

Hazard statements

H225 Highly flammable liquid and vapour.
H315 Causes skin irritation.
H317 May cause an allergic skin reaction.
H335 May cause respiratory irritation.

Precautionary statements

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.

(Contd. on page 2)

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 29.07.2022

Version number 4 (replaces version 3)

Revision: 29.07.2022

Trade name: Marble Filler Super

(Contd. of page 1)

P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P261	Avoid breathing vapours.
P271	Use only outdoors or in a well-ventilated area.
P280	Wear protective gloves / eye protection.
P303+P361+P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].
P312	Call a POISON CENTER/doctor if you feel unwell.
P333+P313	If skin irritation or rash occurs: Get medical advice/attention.
P403+P233	Store in a well-ventilated place. Keep container tightly closed.
P501	Dispose of contents/container in accordance with local/regional/national/international regulations.

· 2.3 Other hazards

- Results of PBT and vPvB assessment
- PBT: Not applicable.
- vPvB: Not applicable.

· Determination of endocrine-disrupting properties

26523-78-4	tris(nonylphenyl) phosphite	List I
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SECTION 3: Composition/information on ingredients**· 3.2 Mixtures**

- Description: Mixture of substances listed below with nonhazardous additions.

· Dangerous components:

80-62-6	methyl methacrylate Flam. Liq. 2, H225 Skin Irrit. 2, H315; Skin Sens. 1, H317; STOT SE 3, H335	50-100%
109-16-0	2,2'-ethylenedioxydiethylmethacrylate Skin Sens. 1, H317	<10%
38668-48-3	1,1'-(p-tolylimino)dipropan-2-ol Acute Tox. 2, H300 Eye Irrit. 2, H319 Aquatic Chronic 3, H412	<1%
123-81-9	ethylene mercaptoacetate Acute Tox. 4, H302; Acute Tox. 4, H332; Eye Irrit. 2, H319; Skin Sens. 1A, H317; STOT SE 3, H335	<1%
141-32-2	n-butyl acrylate Flam. Liq. 3, H226 Acute Tox. 4, H312; Acute Tox. 4, H332; Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1, H317; STOT SE 3, H335 Aquatic Chronic 3, H412	<1%
26523-78-4	tris(nonylphenyl) phosphite Aquatic Acute 1, H400; Aquatic Chronic 1, H410 Skin Sens. 1, H317	<1%

· SVHC

26523-78-4	tris(nonylphenyl) phosphite
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- 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: Take affected persons out into the fresh air.
Position and transport stably in side position.
Immediately remove any clothing soiled by the product.

(Contd. on page 3)

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 29.07.2022

Version number 4 (replaces version 3)

Revision: 29.07.2022

Trade name: Marble Filler Super

(Contd. of page 2)

- After inhalation: Supply fresh air and to be sure call for a doctor.
In case of unconsciousness place patient stably in side position for transportation.
- After skin contact: If skin irritation continues, consult a doctor.
Immediately wash with water and soap and rinse thoroughly.
- After eye contact: Rinse opened eye for several minutes under running water. Then consult a doctor.
- After swallowing: If symptoms persist consult doctor.
- **4.2 Most important symptoms and effects, both acute and delayed**
Breathing difficulty
Coughing
Nausea
Allergic reactions
- Hazards Danger of impaired breathing.
- **4.3 Indication of any immediate medical attention and special treatment needed**
If swallowed, gastric irrigation with added, activated carbon.

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.
- For safety reasons unsuitable extinguishing agents: Water with full jet
- **5.2 Special hazards arising from the substance or mixture**
Formation of toxic gases is possible during heating or in case of fire.
In case of fire, the following can be released:
Carbon monoxide (CO)
Nitrogen oxides (NO_x)
Under certain fire conditions, traces of other toxic gases cannot be excluded, e.g.:
Hydrogen cyanide (HCN)
- **5.3 Advice for firefighters**
- Protective equipment: Wear self-contained respiratory protective device.
Do not inhale explosion gases or combustion gases.
Wear fully protective suit.
- Additional information Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.
Collect contaminated fire fighting water separately. It must not enter the sewage system.

SECTION 6: Accidental release measures

- **6.1 Personal precautions, protective equipment and emergency procedures**
Ensure adequate ventilation
Keep away from ignition sources.
Use respiratory protective device against the effects of fumes/dust/aerosol.
Wear protective equipment. Keep unprotected persons away.
- **6.2 Environmental precautions:** Do not allow product to reach sewage system or any water course.
Prevent seepage into sewage system, workpits and cellars.
Inform respective authorities in case of seepage into water course or sewage system.
Do not allow to enter sewers/ surface or ground water.

(Contd. on page 4)

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 29.07.2022

Version number 4 (replaces version 3)

Revision: 29.07.2022

Trade name: Marble Filler Super

(Contd. of page 3)

· **6.3 Methods and material for containment and cleaning up:**

Dispose of the material collected according to regulations.
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

Ensure adequate ventilation.

· **6.4 Reference to other sections**

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.

Keep receptacles tightly sealed.

Store in cool, dry place in tightly closed receptacles.

Ensure good interior ventilation, especially at floor level. (Fumes are heavier than air).

Use only in well ventilated areas.

Ensure good ventilation/exhaustion at the workplace.

· **Information about fire - and explosion protection:**

Fumes can combine with air to form an explosive mixture.

Keep ignition sources away - Do not smoke.

Protect against electrostatic charges.

· **7.2 Conditions for safe storage, including any incompatibilities**

· **Storage:**

· **Requirements to be met by storerooms and receptacles:**

Prevent any seepage into the ground.

Store only in the original receptacle.

Store in a cool location.

· **Information about storage in one common storage facility:**

Store away from oxidising agents.

Store away from foodstuffs.

· **Further information about storage conditions:**

Store receptacle in a well ventilated area.

Keep container tightly sealed.

Store in cool, dry conditions in well sealed receptacles.

· **Storage class:**

3

· **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:**

80-62-6 methyl methacrylate

IOELV	Short-term value: 100 ppm
	Long-term value: 50 ppm

141-32-2 n-butyl acrylate

IOELV	Short-term value: 53 mg/m ³ , 10 ppm
	Long-term value: 11 mg/m ³ , 2 ppm

· **DNELs**

80-62-6 methyl methacrylate

Oral	DNEL (Kurzzeit-akut)	0.25 mg/kg bw/day (BEV)
Dermal	DNEL (Kurzzeit-akut)	1.5 mg/kg bw/day (ARB)

(Contd. on page 5)

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 29.07.2022

Version number 4 (replaces version 3)

Revision: 29.07.2022

Trade name: Marble Filler Super

(Contd. of page 4)

Inhalative	DNEL (Langzeit-wiederholt)	1.5 mg/kg bw/day (BEV) 1.5-13.67 mg/kg bw/day (ARB)
	DNEL (Kurzzeit-akut)	1.5-8.2 mg/kg bw/day (BEV) 29.6-416 mg/m ³ Air (ARB)
	DNEL (Langzeit-wiederholt)	6.3-104 mg/m ³ Air (BEV) 208 mg/m ³ Air (ARB)
		74.3-104 mg/m ³ Air (BEV)

109-16-0 2,2'-ethylenedioxydiethylmethacrylate

Oral	DNEL (Langzeit-wiederholt)	8.33 mg/kg bw/day (BEV)
Dermal	DNEL (Langzeit-wiederholt)	13.9 mg/kg bw/day (ARB) 8.33 mg/kg bw/day (BEV)
Inhalative	DNEL (Langzeit-wiederholt)	48.5 mg/m ³ Air (ARB) 14.5 mg/m ³ Air (BEV)

38668-48-3 1,1'-(p-tolylimino)dipropan-2-ol

Oral	DNEL (Langzeit-wiederholt)	0.3 mg/kg bw/day (BEV)
Dermal	DNEL (Langzeit-wiederholt)	0.7 mg/kg bw/day (ARB) 0.3 mg/kg bw/day (BEV)
Inhalative	DNEL (Langzeit-wiederholt)	2.47 mg/m ³ Air (ARB) 0.4 mg/m ³ Air (BEV)

123-81-9 ethylene mercaptoacetate

Oral	DNEL (Langzeit-wiederholt)	0.05 mg/kg bw/day (BEV)
Dermal	DNEL (Langzeit-wiederholt)	0.14 mg/kg bw/day (ARB) 0.05 mg/kg bw/day (BEV)
Inhalative	DNEL (Langzeit-wiederholt)	0.49 mg/m ³ Air (ARB) 0.074 mg/m ³ Air (BEV)

141-32-2 n-butyl acrylate

Inhalative	DNEL (Langzeit-wiederholt)	11 mg/m ³ Air (ARB)
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26523-78-4 tris(nonylphenyl) phosphite

Oral	DNEL (Langzeit-wiederholt)	1.67 mg/kg bw/day (BEV)
Dermal	DNEL (Langzeit-wiederholt)	17.7 mg/kg bw/day (ARB) 8.35 mg/kg bw/day (BEV)
Inhalative	DNEL (Langzeit-wiederholt)	23.6 mg/m ³ Air (ARB) 11.8 mg/m ³ Air (BEV)

· PNECs

80-62-6 methyl methacrylate

PNEC (wässrig)	10 mg/l (KA)
	0.094 mg/l (MW)
	0.94 mg/l (SW)
	0.15-0.94 mg/l (WAS)
	1.47 mg/kg Trockengew (BO)
PNEC (fest)	0.102 mg/kg Trockengew (MWS)
	10.2 mg/kg Trockengew (SWS)

109-16-0 2,2'-ethylenedioxydiethylmethacrylate

PNEC (wässrig)	1.7 mg/l (KA)
	0.002 mg/l (MW)

(Contd. on page 6)

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 29.07.2022

Version number 4 (replaces version 3)

Revision: 29.07.2022

Trade name: Marble Filler Super

(Contd. of page 5)

PNEC (fest)	0.016 mg/l (SW) 0.027 mg/kg Trockengew (BO) 0.018 mg/kg Trockengew (MWS) 0.185 mg/kg Trockengew (SWS)
38668-48-3 1,1'-(p-tolylimino)dipropan-2-ol	
PNEC (wässrig)	199.5 mg/l (KA) 0.0017 mg/l (MW) 0.017 mg/l (SW) 0.17 mg/l (WAS)
PNEC (fest)	0.005 mg/kg Trockengew (BO) 0.00782 mg/kg Trockengew (MWS) 0.0782 mg/kg Trockengew (SWS)
123-81-9 ethylene mercaptoacetate	
PNEC (wässrig)	mg/l (KA) mg/l (MW) 0.0048 mg/l (SW)
PNEC (fest)	mg/kg Trockengew (MWS) mg/kg Trockengew (SWS)
141-32-2 n-butyl acrylate	
PNEC (wässrig)	3.5 mg/l (KA) 0 mg/l (MW) 0.003 mg/l (SW)
PNEC (fest)	1 mg/kg Trockengew (BO) 0.003 mg/kg Trockengew (MWS) 0.034 mg/kg Trockengew (SWS)
26523-78-4 tris(nonylphenyl) phosphite	
PNEC (wässrig)	1.8 mg/l (KA) 0.05 mg/l (MW) 0.05 mg/l (SW)
PNEC (fest)	0.15 mg/kg Trockengew (MWS) 0.15 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 item 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.
Clean skin thoroughly immediately after handling the product.
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 skin.
Avoid contact with the eyes and skin.

· Respiratory protection:

Suitable respiratory protective device recommended.
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.

(Contd. on page 7)

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 29.07.2022

Version number 4 (replaces version 3)

Revision: 29.07.2022

Trade name: Marble Filler Super

(Contd. of page 6)

Hand protection

Preventive skin protection by use of skin-protecting agents is recommended.
 After use of gloves apply skin-cleaning agents and skin cosmetics.
 Skin protection agent recommendation for preventive skin shelter without use of protective gloves:
 ARRETIL (<http://www.stoko.com>)
 Skin protection agent recommendation for preventive skin shelter in application and combination of protective gloves:
 STOKO EMULSION (<http://www.stoko.com>)
 Skin protection recommendation for skin cleaning after product handling:
 Kresto Classic (<http://debstoko.com>)
 Skin protection agent recommendation for skin aftercare:
 STOKO VITAN (<http://www.stoko.com>)
 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

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 materialValue for the permeation: Level ≤ 2 , 60 min

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

For the permanent contact gloves made of the following materials are suitable:

Butyl rubber, BR
 Butoject (KCL, Art_No. 897, 898)

As protection from splashes gloves made of the following materials are suitable:

Butyl rubber, BR
 Butoject (KCL, Art_No. 897, 898)
 Fluorocarbon rubber (Viton)
 Vitoject (KCL, Art_No. 890)

Not suitable are gloves made of the following materials:

Nitrile rubber, NBR
 Leather gloves
 Strong material gloves

(Contd. on page 8)

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 29.07.2022

Version number 4 (replaces version 3)

Revision: 29.07.2022

Trade name: Marble Filler Super

(Contd. of page 7)

· Eye/face protection

Tightly sealed goggles

· Body protection:

Protective work clothing

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

· <u>Colour:</u>	Colourless
· <u>Odour:</u>	Characteristic
· <u>Melting point/freezing point:</u>	Undetermined.
· <u>Boiling point or initial boiling point and boiling range</u>	101 °C
· <u>Lower and upper explosion limit</u>	
· <u>Lower:</u>	2.1 Vol %
· <u>Upper:</u>	12.5 Vol %
· <u>Flash point:</u>	10 °C
· <u>Ignition temperature:</u>	430 °C
· <u>pH</u>	Not determined. Not applicable
· <u>Viscosity:</u>	
· <u>Kinematic viscosity at 20 °C</u>	60-80 s (DIN 53211/4)
· <u>Dynamic:</u>	Not determined.
· <u>Solubility</u>	
· <u>water at 20 °C:</u>	1.6 g/l
· <u>Vapour pressure at 20 °C:</u>	47 hPa
· <u>Density and/or relative density</u>	
· <u>Density at 20 °C:</u>	1.02 g/cm ³

9.2 Other information

· <u>Appearance:</u>	
· <u>Form:</u>	Fluid
· <u>Important information on protection of health and environment, and on safety.</u>	
· <u>Auto-ignition temperature:</u>	Product is not selfigniting.
· <u>Explosive properties:</u>	Product is not explosive. However, formation of explosive air/vapour mixtures are possible.
· <u>Solvent content:</u>	
· <u>Organic solvents:</u>	89.2 %
· <u>Solids content:</u>	34.0 %

· Information with regard to physical hazard classes

· <u>Explosives</u>	Void
· <u>Flammable gases</u>	Void
· <u>Aerosols</u>	Void
· <u>Oxidising gases</u>	Void
· <u>Gases under pressure</u>	Void

(Contd. on page 9)

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 29.07.2022

Version number 4 (replaces version 3)

Revision: 29.07.2022

Trade name: Marble Filler Super

(Contd. of page 8)

- Flammable liquids
- Highly flammable liquid and vapour.
- Flammable solids
- Void
- Self-reactive substances and mixtures
- Void
- Pyrophoric liquids
- Void
- Pyrophoric solids
- Void
- Self-heating substances and mixtures
- Void
- Substances and mixtures, which emit flammable gases in contact with water
- Void
- Oxidising liquids
- Void
- Oxidising solids
- Void
- Organic peroxides
- Void
- Corrosive to metals
- Void
- 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 and stored according to specifications.
- **10.3 Possibility of hazardous reactions** Exothermic polymerisation.
Reacts with peroxides and other radical forming substances.
Reacts with strong oxidising agents.
- **10.4 Conditions to avoid** No further relevant information available.
- **10.5 Incompatible materials:** No further relevant information available.

(Contd. on page 10)

EU

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 29.07.2022

Version number 4 (replaces version 3)

Revision: 29.07.2022

Trade name: Marble Filler Super

(Contd. of page 9)

· **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:

ATE (Acute Toxicity Estimates)

Oral	LD50	>2,725-<21,801 mg/kg (rat)
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80-62-6 methyl methacrylate

Oral	LD50	7,872 mg/kg (rat) (OECD 401)
	NOAEL	2,000 mg/kg (rat)
Dermal	LD50	>5,000 mg/kg (rabbit)
Inhalative	LC50/4h	4,632 mg/m ³ (rat)
	LC50/4 h	29.8 mg/l (rat)
	NOAEL	25 mg/m ³ (rat)

109-16-0 2,2'-ethylenedioxydiethylmethacrylate

Oral	LD50	>2,000 mg/kg (rat) (Lit.)
Dermal	LD50	>2,000 mg/kg (mouse)

38668-48-3 1,1'-(p-tolylimino)dipropan-2-ol

Oral	LD50	>25-<200 mg/kg (rat) (OECD 423)
Dermal	LD50	>2,000 mg/kg (rabbit) (OECD 402)

123-81-9 ethylene mercaptoacetate

Oral	LD50	303 mg/kg (rat)
Dermal	LD50	>2,000 mg/kg (rabbit)
Inhalative	LC50/4 h	1.5 mg/l (rat)
	LC50/48h	4.85 mg/l (Leuciscus idus)

141-32-2 n-butyl acrylate

Oral	LD50	3,150 mg/kg (rat)
Dermal	LD50	2,000 mg/kg (rbt)
Inhalative	LC50/4 h	10.3 mg/l (rat)

26523-78-4 tris(nonylphenyl) phosphite

Oral	LD50	>16,200 mg/kg (rat)
Dermal	LD50	>2,000 mg/kg (rabbit)

· <u>Skin corrosion/irritation</u>	Causes skin irritation.
· <u>Serious eye damage/irritation</u>	Based on available data, the classification criteria are not met.
· <u>Respiratory or skin sensitisation</u>	May cause an allergic skin reaction.
· <u>Germ cell mutagenicity</u>	Based on available data, the classification criteria are not met.
· <u>Carcinogenicity</u>	Based on available data, the classification criteria are not met.
· <u>Reproductive toxicity</u>	Based on available data, the classification criteria are not met.
· <u>STOT-single exposure</u>	May cause respiratory irritation.
· <u>STOT-repeated exposure</u>	Based on available data, the classification criteria are not met.
· <u>Aspiration hazard</u>	Based on available data, the classification criteria are not met.

(Contd. on page 11)

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 29.07.2022

Version number 4 (replaces version 3)

Revision: 29.07.2022

Trade name: Marble Filler Super

(Contd. of page 10)

· 11.2 Information on other hazards**· Endocrine disrupting properties**

26523-78-4 tris(nonylphenyl) phosphite

List I

SECTION 12: Ecological information**· 12.1 Toxicity****· Aquatic toxicity:****80-62-6 methyl methacrylate**

EC50/96h	170 mg/l (Pseudokirchneriella subcapitata)
EC50/48h	69 mg/l (daphnia magna) (OECD 202)
EC0	100 mg/l (pseudomonas putida)
NOEC	9.4 mg/kg (Danio rerio.) (OECD 210)
NOEC	>100 mg/l (Selenastrum capricornutum)
NOEC/21d	37 mg/l (daphnia magna) (OECD 202)
EC50/72h	>110 mg/l (Selenastrum capricornutum)
LC50/96h	153.9-341.8 mg/l (Iem)
	>79 mg/l (Oncorhynchus mykiss) (OECD 203)
	125-275 mg/l (pimephales promelas)
	326.4-426.9 mg/l (poecilia reticulata)

109-16-0 2,2'-ethylenedioxydiethylmethacrylate

EC50	51.9 mg/l (daphnia magna)
NOEC	18.6 mg/l (Pseudokirchneriella subcapitata)
NOEC/21d	32 mg/l (daphnia magna)
EC50/72h	>100 mg/l (Pseudokirchneriella subcapitata)
LC50/96h	16.4 mg/l (Brachydanio rerio)

38668-48-3 1,1'-(p-tolylimino)dipropan-2-ol

EC50/48h	28.8 mg/l (daphnia magna) (OECD 202)
EC20/0.5h	>1,995 mg/l (BES) (OECD 209)
EC50/72h	245 mg/l (Desmodesmus subspicatus) (OECD 201)
LC50/96h	17 mg/l (Brachydanio rerio)

123-81-9 ethylene mercaptoacetate

NOELR/72h	≥100 mg/l (Desmodesmus subspicatus)
EC50/48h	11 mg/l (daphnia magna)
EC50/72h	>100 mg/l (Desmodesmus subspicatus)

141-32-2 n-butyl acrylate

EC50/96h	2.65 mg/l (selenastrum capricornutum)
EC50	>1,000 mg/l (BES)
NOEC	2.4 mg/l (daphnia magna)
	3.8 mg/l (Oncorhynchus mykiss)
	<1.8 mg/l (selenastrum capricornutum)
NOELR/21d	0.136 mg/l (daphnia magna)
EC50/48h	8.2 mg/l (daphnia magna)
LC50/96h	>5.2 mg/l (Oncorhynchus mykiss)

(Contd. on page 12)

EU

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 29.07.2022

Version number 4 (replaces version 3)

Revision: 29.07.2022

Trade name: Marble Filler Super

(Contd. of page 11)

26523-78-4 tris(nonylphenyl) phosphite

NOEC	100 mg/l (green alge)
NOELR/21d	>0.1 mg/l (daphnia magna)
EC50/48h	0.3 mg/l (daphnia magna)
LC50/96h	>100 mg/l (Oncorhynchus mykiss)

- **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** For information on endocrine disrupting properties see section 11.
- **12.7 Other adverse effects**
- **Additional ecological information:**
- **General notes:** Do not allow product 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**

20 00 00	MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS
20 01 00	separately collected fractions (except 15 01)
20 01 27*	paint, inks, adhesives and resins containing hazardous substances

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

SECTION 14: Transport information

- **14.1 UN number or ID number**
- **ADR, IMDG, IATA** UN1866
- **14.2 UN proper shipping name**
- **ADR** 1866 RESIN SOLUTION
- **IMDG, IATA** RESIN SOLUTION
- **14.3 Transport hazard class(es)**
- **ADR**
- **Class** 3 (F1) Flammable liquids.



(Contd. on page 13)

Safety data sheet

according to 1907/2006/EC, Article 31


Printing date 29.07.2022

Version number 4 (replaces version 3)

Revision: 29.07.2022

Trade name: Marble Filler Super

(Contd. of page 12)

· <u>Label</u>	3
· <u>IMDG, IATA</u>	
	
· <u>Class</u>	3 Flammable liquids.
· <u>Label</u>	3
· 14.4 Packing group	
· <u>ADR, IMDG, IATA</u>	III
· 14.5 Environmental hazards:	
· <u>Marine pollutant:</u>	No
· 14.6 Special precautions for user	Warning: Flammable liquids.
· <u>Hazard identification number (Kemler code):</u>	-
· <u>EMS Number:</u>	F-E, S-E
· <u>Stowage Category</u>	A
· 14.7 Maritime transport in bulk according to IMO instruments	Not applicable.
· <u>Transport/Additional information:</u>	
· <u>ADR</u>	
· <u>Limited quantities (LQ)</u>	5L
· <u>Excepted quantities (EQ)</u>	Code: E1 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 1000 ml
· <u>Transport category</u>	3
· <u>Tunnel restriction code</u>	E
· <u>IMDG</u>	
· <u>Limited quantities (LQ)</u>	5L
· <u>Excepted quantities (EQ)</u>	Code: E1 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 1000 ml
· <u>UN "Model Regulation":</u>	UN 1866 RESIN SOLUTION, 3, III

SECTION 15: Regulatory information**15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**

· <u>Directive 2012/18/EU</u>	
· <u>Named dangerous substances - ANNEX I</u>	None of the ingredients is listed.
· <u>Seveso category</u>	P5c FLAMMABLE LIQUIDS
· <u>Qualifying quantity (tonnes) for the application of lower-tier requirements</u>	5,000 t
· <u>Qualifying quantity (tonnes) for the application of upper-tier requirements</u>	50,000 t
· <u>REGULATION (EC) No 1907/2006 ANNEX XVII</u>	Conditions of restriction: 3

(Contd. on page 14)

EU

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 29.07.2022

Version number 4 (replaces version 3)

Revision: 29.07.2022

Trade name: Marble Filler Super

(Contd. of page 13)

· DIRECTIVE 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment – Annex II

None of the ingredients is listed.

· REGULATION (EU) 2019/1148

· Annex I - RESTRICTED EXPLOSIVES PRECURSORS (Upper limit value for the purpose of licensing under Article 5(3))

None of the ingredients is listed.

· Annex II - REPORTABLE EXPLOSIVES PRECURSORS

None of the ingredients is listed.

· Regulation (EC) No 273/2004 on drug precursors

None of the ingredients is listed.

· Regulation (EC) No 111/2005 laying down rules for the monitoring of trade between the Community and third countries in drug precursors

None of the ingredients is listed.

· National regulations:

· Information about limitation of use: Employment restrictions concerning juveniles must be observed.
Employment restrictions concerning pregnant and lactating women must be observed.

· Waterhazard class: Water hazard class 1 (Self-assessment): slightly hazardous for water.

· Substances of very high concern (SVHC) according to REACH, Article 57

26523-78-4 tris(nonylphenyl) phosphite

· VOC EU 911.2 g/l

· **15.2 Chemical safety assessment:**

A Chemical Safety Assessment has not been carried out.

SECTION 16: Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

· Department issuing SDS:

Laboratory

· Contact:

Elke Hake
Fon ++49 (0)911 64296-59
@mail E.Hake@akemi.de

· Date of previous version:

26.07.2022

· Version number of previous version:

3

· 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
Flam. Liq. 2: Flammable liquids – Category 2

(Contd. on page 15)

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 29.07.2022

Version number 4 (replaces version 3)

Revision: 29.07.2022

Trade name: Marble Filler Super

(Contd. of page 14)

Flam. Liq. 3: Flammable liquids – Category 3
Acute Tox. 2: Acute toxicity – Category 2
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
Skin Sens. 1: Skin sensitisation – Category 1
Skin Sens. 1A: Skin sensitisation – Category 1A
STOT SE 3: Specific target organ toxicity (single exposure) – Category 3
Aquatic Acute 1: Hazardous to the aquatic environment - acute aquatic hazard – Category 1
Aquatic Chronic 1: Hazardous to the aquatic environment - long-term aquatic hazard – Category 1
Aquatic Chronic 3: Hazardous to the aquatic environment - long-term aquatic hazard – Category 3

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