

# Safety data sheet

## according to 1907/2006/EC, Article 31

Printing date 14.07.2023

Version number 5 (replaces version 4)

Revision: 14.07.2023

### 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 14.07.2023

Version number 5 (replaces version 4)

Revision: 14.07.2023

**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

**SECTION 3: Composition/information on ingredients****· 3.2 Mixtures**

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

· Dangerous components:

CAS: 80-62-6 EINECS: 201-297-1 Index number: 607-035-00-6 Reg.nr.: 01-2119452498-28	methyl methacrylate Flam. Liq. 2, H225 Skin Irrit. 2, H315; Skin Sens. 1, H317; STOT SE 3, H335	50-100%
CAS: 109-16-0 EINECS: 203-652-6 Reg.nr.: 01-2119969287-21	2,2'-ethylenedioxydiethyldimethacrylate Skin Sens. 1, H317	<10%
CAS: 38668-48-3 EINECS: 254-075-1 Reg.nr.: 01-2119980937-17	1,1'-(p-tolylimino)dipropan-2-ol Acute Tox. 2, H300 Eye Irrit. 2, H319 Aquatic Chronic 3, H412	<1%
CAS: 123-81-9 EINECS: 204-653-4	ethylene mercaptoacetate Acute Tox. 4, H302; Acute Tox. 4, H332; Eye Irrit. 2, H319; Skin Sens. 1A, H317; STOT SE 3, H335	<1%
CAS: 141-32-2 EINECS: 205-480-7 Index number: 607-062-00-3 Reg.nr.: 01-2119453155-43	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%
CAS: 26523-78-4 EINECS: 247-759-6 Index number: 015-202-00-4 Reg.nr.: 01-2119520601-54-xxxx	tris(nonylphenyl) phosphite Aquatic Acute 1, H400; Aquatic Chronic 1, H410 Skin Sens. 1, H317	<1%

· SVHC

26523-78-4 tris(nonylphenyl) phosphite

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

(Contd. on page 3)

## Safety data sheet

### according to 1907/2006/EC, Article 31

Printing date 14.07.2023

Version number 5 (replaces version 4)

Revision: 14.07.2023

**Trade name: Marble Filler Super**

(Contd. of page 2)

**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.
- 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.
- After eye contact: Immediately wash with water and soap and rinse thoroughly.  
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  
Danger of impaired breathing.

**Hazards****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: CO<sub>2</sub>, 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<sub>x</sub>)  
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.

(Contd. on page 4)

## Safety data sheet

### according to 1907/2006/EC, Article 31

Printing date 14.07.2023

Version number 5 (replaces version 4)

Revision: 14.07.2023

**Trade name: Marble Filler Super**

(Contd. of page 3)

- **6.2 Environmental precautions:** Use respiratory protective device against the effects of fumes/dust/aerosol.  
Wear protective equipment. Keep unprotected persons away.  
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.
- **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
-------	--

(Contd. on page 5)

## Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 14.07.2023

Version number 5 (replaces version 4)

Revision: 14.07.2023

**Trade name: Marble Filler Super**

(Contd. of page 4)

**141-32-2 n-butyl acrylate**

IOELV	Short-term value: 53 mg/m <sup>3</sup> , 10 ppm Long-term value: 11 mg/m <sup>3</sup> , 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)
		1.5 mg/kg bw/day (BEV)
Inhalative	DNEL (Langzeit-wiederholt)	1.5-13.67 mg/kg bw/day (ARB)
		1.5-8.2 mg/kg bw/day (BEV)
	DNEL (Kurzzeit-akut)	29.6-416 mg/m <sup>3</sup> Air (ARB)
		6.3-104 mg/m <sup>3</sup> Air (BEV)
	DNEL (Langzeit-wiederholt)	208 mg/m <sup>3</sup> Air (ARB)
		74.3-104 mg/m <sup>3</sup> 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 <sup>3</sup> Air (ARB)
		14.5 mg/m <sup>3</sup> Air (BEV)

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

Oral	DNEL (Langzeit-wiederholt)	0.25 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 <sup>3</sup> Air (ARB)
		0.4 mg/m <sup>3</sup> 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 <sup>3</sup> Air (ARB)
		0.074 mg/m <sup>3</sup> Air (BEV)

**141-32-2 n-butyl acrylate**

Inhalative	DNEL (Langzeit-wiederholt)	11 mg/m <sup>3</sup> Air (ARB)
------------	----------------------------	--------------------------------

**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 <sup>3</sup> Air (ARB)
		11.8 mg/m <sup>3</sup> Air (BEV)

## · PNECs

**80-62-6 methyl methacrylate**

PNEC (wässrig)	10 mg/l (KA)
	0.094 mg/l (MW)
	0.94 mg/l (SW)

(Contd. on page 6)

## Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 14.07.2023

Version number 5 (replaces version 4)

Revision: 14.07.2023

**Trade name: Marble Filler Super**

(Contd. of page 5)

PNEC (fest)	0.15-0.94 mg/l (WAS) 1.47 mg/kg Trockengew (BO) 0.102 mg/kg Trockengew (MWS) 10.2 mg/kg Trockengew (SWS)
<b>109-16-0 2,2'-ethylenedioxydiethylmethacrylate</b>	
PNEC (wässrig)	1.7 mg/l (KA) 0.002 mg/l (MW) 0.016 mg/l (SW)
PNEC (fest)	0.027 mg/kg Trockengew (BO) 0.018 mg/kg Trockengew (MWS) 0.185 mg/kg Trockengew (SWS)
<b>38668-48-3 1,1'-(p-tolylimino)dipropan-2-ol</b>	
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)
<b>123-81-9 ethylene mercaptoacetate</b>	
PNEC (wässrig)	mg/l (KA) mg/l (MW) 0.0048 mg/l (SW)
PNEC (fest)	mg/kg Trockengew (MWS) mg/kg Trockengew (SWS)
<b>141-32-2 n-butyl acrylate</b>	
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)
<b>26523-78-4 tris(nonylphenyl) phosphite</b>	
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 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.  
Clean skin thoroughly immediately after handling the product.

(Contd. on page 7)

## Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 14.07.2023

Version number 5 (replaces version 4)

Revision: 14.07.2023

**Trade name: Marble Filler Super**

(Contd. of page 6)

· Respiratory protection:

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.

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.

· 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 material

Value for the permeation: Level  $\leq 2$ , 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)

(Contd. on page 8)

EU

## Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 14.07.2023

Version number 5 (replaces version 4)

Revision: 14.07.2023

**Trade name: Marble Filler Super**

(Contd. of page 7)

· 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

· 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>Auto-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 <sup>3</sup>

**9.2 Other information**

· Appearance:

· Form: Fluid

· Important information on protection of health and environment, and on safety.

· Ignition temperature:

Product is not selfigniting.

· Explosive properties:

Product is not explosive. However, formation of explosive air/vapour mixtures are possible.

· Solvent content:

· Organic solvents:

89.2 %

· Solids content:

34.0 %

· Information with regard to physical hazard classes

· Explosives

Void

· Flammable gases

Void

· Aerosols

Void

· Oxidising gases

Void

(Contd. on page 9)

## Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 14.07.2023

Version number 5 (replaces version 4)

Revision: 14.07.2023

**Trade name: Marble Filler Super**

(Contd. of page 8)

· <u>Gases under pressure</u>	Void
· <u>Flammable liquids</u>	Highly flammable liquid and vapour.
· <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
· <u>Desensitised explosives</u>	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.
- **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)
------	------	----------------------------

**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)
	NOAEL	25 mg/m <sup>3</sup> (rat)
Inhalative	LC50/4h	4,632 mg/m <sup>3</sup> (rat)
	LC50/4 h	29.8 mg/l (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)

(Contd. on page 10)

## Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 14.07.2023

Version number 5 (replaces version 4)

Revision: 14.07.2023

**Trade name: Marble Filler Super**

(Contd. of page 9)

**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 (rabbit)
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)

- Skin corrosion/irritation Causes skin irritation.
- Serious eye damage/irritation Based on available data, the classification criteria are not met.
- Respiratory or skin sensitisation May cause an allergic skin reaction.
- 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 respiratory irritation.
- STOT-repeated exposure Based on available data, the classification criteria are not met.
- Aspiration hazard Based on available data, the classification criteria are not met.

**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 (lem)
	>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'-ethylenedioxydiethyldimethacrylate**

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)

(Contd. on page 11)

## Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 14.07.2023

Version number 5 (replaces version 4)

Revision: 14.07.2023

**Trade name: Marble Filler Super**

(Contd. of page 10)

**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)

**26523-78-4 tris(nonylphenyl) phosphite**

NOEC	100 mg/l (algae)
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

(Contd. on page 12)

## Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 14.07.2023

Version number 5 (replaces version 4)

Revision: 14.07.2023

**Trade name: Marble Filler Super**

(Contd. of page 11)

- 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 UN3269

**· 14.2 UN proper shipping name**

· ADR 3269 POLYESTER RESIN KIT  
 · IMDG, IATA POLYESTER RESIN KIT

**· 14.3 Transport hazard class(es)**

· ADR



· Class 3 (F3) Flammable liquids.  
 · Label 3

· IMDG, IATA



· Class 3 Flammable liquids.  
 · Label 3

**· 14.4 Packing group**

· ADR, IMDG, IATA II

**· 14.5 Environmental hazards:**

· Marine pollutant: No

**· 14.6 Special precautions for user**

Warning: Flammable liquids.  
 · Hazard identification number (Kemler code): -  
 · EMS Number: F-E,S-D  
 · Stowage Category B

**· 14.7 Maritime transport in bulk according to IMO instruments**

Not applicable.

· Transport/Additional information:

· ADR

· Limited quantities (LQ) 5L  
 · Excepted quantities (EQ) Code: See  
 · Transport category 2  
 · Tunnel restriction code E

· IMDG

· Limited quantities (LQ) 5L  
 · Excepted quantities (EQ) Code: See SP340

(Contd. on page 13)



## Safety data sheet

### according to 1907/2006/EC, Article 31

Printing date 14.07.2023

Version number 5 (replaces version 4)

Revision: 14.07.2023

**Trade name: Marble Filler Super**

(Contd. of page 13)

<ul style="list-style-type: none"> <li>· <u>Contact:</u></li> <li>· <u>Date of previous version:</u></li> <li>· <u>Version number of previous version:</u></li> <li>· <u>Abbreviations and acronyms:</u></li> </ul>	<p>Elke Hake Fon ++49 (0)911 64296-59 @mail E.Hake@akemi.de 29.07.2022</p> <p>4</p> <p>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 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</p>
---	--