

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 08.04.2019

Version number 8

Revision: 08.04.2019

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

1.1 Product identifier

Trade name: **Stone Sealer - satin finish**

Article number: 10838, 10839, 10854

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

Sealing

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.
+44 (171) 635 91 91
National Poison Inform. Centre
Medical Toxicology Unit
Avalonley Road
London SE14 5ER

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008



GHS02 flame

Flam. Liq. 3 H226 Flammable liquid and vapour.



GHS08 health hazard

Asp. Tox. 1 H304 May be fatal if swallowed and enters airways.



GHS09 environment

Aquatic Chronic 2 H411 Toxic to aquatic life with long lasting effects.



GHS07

Acute Tox. 4 H332 Harmful if inhaled.
STOT SE 3 H335-H336 May cause respiratory irritation. May cause drowsiness or dizziness.

2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008

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

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· Hazard pictograms

GHS02 GHS07 GHS08 GHS09

· Signal word

Danger

· Hazard-determining components of labelling:· Hazard statements

Solvent naphtha (petroleum), light arom.
 H226 Flammable liquid and vapour.
 H332 Harmful if inhaled.
 H335-H336 May cause respiratory irritation. May cause drowsiness or dizziness.
 H304 May be fatal if swallowed and enters airways.
 H411 Toxic to aquatic life with long lasting effects.

· Precautionary statements

P101 If medical advice is needed, have product container or label at hand.
 P102 Keep out of reach of children.
 P103 Read label before use.
 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.
 P273 Avoid release to the environment.
 P280 Wear protective gloves/protective clothing/eye protection/face protection.
 P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/doctor.
 P331 Do NOT induce vomiting.
 P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].
 P304+P312 IF INHALED: Call a POISON CENTER/doctor if you feel unwell.
 P403+P233 Store in a well-ventilated place. Keep container tightly closed.
 P405 Store locked up.
 P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

· Additional information:

EUH066 Repeated exposure may cause skin dryness or cracking.
 Contains n-butyl methacrylate, methyl methacrylate. May produce an allergic reaction.

· **2.3 Other hazards**· Results of PBT and vPvB assessment· PBT: Not applicable.· vPvB: Not applicable.**SECTION 3: Composition/information on ingredients**· **3.2 Chemical characterisation: Mixtures**· Description: Mixture of substances listed below with nonhazardous additions.· Dangerous components:

| | | |
|--|--|---------|
| CAS: 64742-95-6 EC number: 918-668-5 Index number: 649-356-00-4 Reg.nr.: 01-2119455851-35 | Solvent naphtha (petroleum), light arom. Flam. Liq. 3, H226 Asp. Tox. 1, H304 Aquatic Chronic 2, H411 STOT SE 3, H335-H336 | 50-100% |
| CAS: 97-88-1 EINECS: 202-615-1 Index number: 607-033-00-5 Reg.nr.: 01-2119486394-28-xxxx | n-butyl methacrylate Flam. Liq. 3, H226 Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1, H317; STOT SE 3, H335 | <1% |

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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

<1%

· 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. Take affected persons out into the fresh air. Position and transport stably in side position.
- After inhalation: Supply fresh air; consult doctor in case of complaints. In case of unconsciousness place patient stably in side position for transportation.
- After skin contact: Immediately wash with water and soap and rinse thoroughly. If skin irritation continues, consult a doctor.
- After eye contact: Rinse opened eye for several minutes under running water. Then consult a doctor.
- After swallowing: Do not induce vomiting; call for medical help immediately.

· 4.2 Most important symptoms and effects, both acute and delayed

Breathing difficulty
 Headache
 Dizziness
 Dizziness
 Nausea

- Information for doctor: Symptoms in intoxication with (aromatic) hydrocarbons (dosis letalis about 30 g)
 a) In acute intoxication: headache, dizziness, euphoria, gastro-intestinal dysfunction, state of excitement, coma.
 b) In chronic intoxication: myelotoxic damage, fatigue, dizziness, emaciation, cardiac palpitation after physical exercise, leucopenia, anemia, leukosis. Therapy in hydrocarbons intoxication: In case of inhalation provision of fresh air; in case of peroral intake administration of Carbo medicinalis; only after intubation conduct of gastrolavage in application of Carbo medicinalis; in case of cramps administration of Diazepam 20 mg intravenously.
- 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)
 Under certain fire conditions, traces of other toxic gases cannot be excluded.

· 5.3 Advice for firefighters

- Protective equipment: Do not inhale explosion gases or combustion gases.

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Wear fully protective suit.
Wear self-contained respiratory protective device.

SECTION 6: Accidental release measures

* **6.1 Personal precautions, protective equipment and emergency procedures**

Wear protective equipment. Keep unprotected persons away.
Ensure adequate ventilation
Keep away from ignition sources.

6.2 Environmental precautions:

Use respiratory protective device against the effects of fumes/dust/aerosol.
Inform respective authorities in case of seepage into water course or sewage system.
Do not allow product to reach sewage system or any water course.
Do not allow to enter sewers/ surface or ground water.

6.3 Methods and material for containment and cleaning up:

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

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**

Ensure good ventilation/exhaustion at the workplace.
Keep receptacles tightly sealed.
Store in cool, dry place in tightly closed receptacles.
Keep away from heat and direct sunlight.
Ensure good interior ventilation, especially at floor level. (Fumes are heavier than air).
Use only in well ventilated areas.

Information about fire - and explosion protection:

Keep ignition sources away - Do not smoke.
Protect against electrostatic charges.
Protect from heat.
Highly volatile, flammable constituents are released during processing.

7.2 Conditions for safe storage, including any incompatibilities

Storage:

Requirements to be met by storerooms and receptacles:

Store in a cool location.
Store only in the original receptacle.
Prevent any seepage into the ground.

Information about storage in one common storage facility:

Store away from oxidising agents.
Store away from foodstuffs.

Further information about storage conditions:

Store in cool, dry conditions in well sealed receptacles.
Keep container tightly sealed.
Protect from heat and direct sunlight.
Store receptacle in a well ventilated area.

7.3 Specific end use(s)

No further relevant information available.

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SECTION 8: Exposure controls/personal protection

· Additional information about design of technical facilities: No further data; see item 7.

· 8.1 Control parameters

· Ingredients with limit values that require monitoring at the workplace:

80-62-6 methyl methacrylate

| | |
|-----|--|
| WEL | Short-term value: 416 mg/m ³ , 100 ppm Long-term value: 208 mg/m ³ , 50 ppm |
|-----|--|

· DNELs

64742-95-6 Solvent naphtha (petroleum), light arom.

| | | |
|------------|-----------------------------|---------------------------------|
| Oral | DNEL (Langzeit-wiederholt) | 11 mg/kg bw/day (BEV) |
| Dermal | DNEL (Langzeit-wiederholt) | 25 mg/kg bw/day (ARB) |
| | | 11 mg/kg bw/day (BEV) |
| Inhalative | DNEL (Langzeit-wiederholt) | 150 mg/m ³ Air (ARB) |
| | | 32 mg/m ³ Air (BEV) |

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

· PNECs

80-62-6 methyl methacrylate

| | |
|----------------|--|
| PNEC (wässrig) | 10 mg/l (KA) 0.94 mg/l (MW) 0.094 mg/l (SW) 0.15-0.94 mg/l (WAS) |
| PNEC (fest) | 1.47 mg/kg Trockengew (BO) 0.73-45.38 mg/kg Trockengew (MWS) 5.74 mg/kg Trockengew (SWS) |

· Additional information: The lists valid during the making were used as basis.

· 8.2 Exposure controls

· Personal protective equipment:
· General protective and hygienic measures:

The usual precautionary measures are to be adhered to when handling chemicals.

Keep away from foodstuffs, beverages and feed.

Immediately remove all soiled and contaminated clothing

Wash hands before breaks and at the end of work.

Avoid contact with the eyes and skin.

Do not inhale gases / fumes / aerosols.

Do not eat, drink, smoke or sniff while working.

Use skin protection cream for skin protection.

Clean skin thoroughly immediately after handling the product.

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- Respiratory protection: 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.
Filter AX
- Protection of hands: 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:
STOKODERM (<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:
FRAPANTOL (<http://www.stoko.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**

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation
The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

- Material of gloves Fluorocarbon rubber (Viton)
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.
- Penetration time of glove material The exact break trough time has to be found out by the manufacturer of the protective gloves and has to be observed.
Value for the permeation: Level \leq 6, 480 min
- For the permanent contact gloves made of the following materials are suitable: Fluorocarbon rubber (Viton)
Vitoject (KCL, Art_No. 890)
- As protection from splashes gloves made of the following materials are suitable: Fluorocarbon rubber (Viton)
Vitoject (KCL, Art_No. 890)
Nitrile rubber, NBR
Camatril (KCL, 730, 731, 732, 733)
- Not suitable are gloves made of the following materials: Natural rubber, NR
Chloroprene rubber, CR
Butyl rubber, BR
- Eye protection: Safety glasses

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· Body protection: Protective work clothing

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SECTION 9: Physical and chemical properties

· 9.1 Information on basic physical and chemical properties

· General Information

· Appearance:

Form: Fluid
Colour: Colourless
Odour: Characteristic

· pH-value: Not applicable

· Change in condition

Melting point/freezing point: Undetermined.
Initial boiling point and boiling range: 162 °C

· Flash point: 39 °C

· Ignition temperature: 450 °C

· Auto-ignition temperature: Product is not selfigniting.

· Explosive properties: Product is not explosive. However, formation of explosive air/vapour mixtures are possible.

· Explosion limits:

Lower: 0.8 Vol %
Upper: 7 Vol %

· Vapour pressure at 20 °C: 5 hPa

· Density at 20 °C: 0.9 g/cm³

· Solubility in / Miscibility with water:

Not miscible or difficult to mix.

· Viscosity:

Dynamic: Not determined.
Kinematic at 20 °C: 15 s (DIN 53211/4)

· Solvent content:

Organic solvents: 80.2 %

· 9.2 Other information

No further relevant information available.

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.
 No decomposition if used and stored according to specifications.

· 10.3 Possibility of hazardous reactions

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:

Flammable gases/vapours
 Carbon monoxide and carbon dioxide

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SECTION 11: Toxicological information**11.1 Information on toxicological effects**

- Acute toxicity Harmful if inhaled.

- LD/LC50 values relevant for classification:

ATE (Acute Toxicity Estimates)

| | | |
|------------|----------|------------------|
| Inhalative | LC50/4 h | >12.8 mg/l (rat) |
|------------|----------|------------------|

64742-95-6 Solvent naphtha (petroleum), light arom.

| | | |
|------------|----------|---|
| Oral | LD50 | 3,592 mg/kg (rat) |
| Dermal | LD50 | >3,160 mg/kg (rabbit) >2,000 mg/kg (rat) |
| Inhalative | LC50/4 h | >10.2 mg/l (rat) |

97-88-1 n-butyl methacrylate

| | | |
|------------|----------|-------------------------------|
| Oral | LD50 | >2,000 mg/kg (rat) (OECD 401) |
| Dermal | LD50 | >2,000 mg/kg (rbt) (OECD 402) |
| Inhalative | LC50/4 h | 29 mg/l (rat) (OECD 403) |

80-62-6 methyl methacrylate

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

- Primary irritant effect:
- Skin corrosion/irritation Based on available data, the classification criteria are not met.
- Serious eye damage/irritation Based on available data, the classification criteria are not met.
- Respiratory or skin sensitisation Based on available data, the classification criteria are not met.
- CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)
- 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. May cause drowsiness or dizziness.
- STOT-repeated exposure Based on available data, the classification criteria are not met.
- Aspiration hazard May be fatal if swallowed and enters airways.

SECTION 12: Ecological information**12.1 Toxicity**

- Aquatic toxicity:

64742-95-6 Solvent naphtha (petroleum), light arom.

| | |
|-----------|--|
| EC50 | <10 mg/l (daphnia magna) |
| IC50 | <10 mg/l (daphnia magna) |
| LC50 | <10 mg/l (green alge) |
| | >1-<10 mg/l (piscis) |
| EL50/48h | 3.2 mg/l (ceriodaphnia Dubai) 3.2 mg/l (daphnia magna) |
| EL50/72h | 2.6-2.9 mg/l (Pseudokirchneriella subcapitata) 2.9 mg/l (selenastrum capricornutum) |
| LL50/96h | 9.2 mg/l (Oncorhynchus mykiss) |
| NOELR/72h | 1 mg/l (Pseudokirchneriella subcapitata) |

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| | |
|-------------------------------------|--|
| EC50/48h | 3.2 mg/l (daphnia magna) |
| EC50/72h | 2.9 mg/l (Pseudokirchneriella subcapitata) |
| LC50/96h | 9.2 mg/l (Oncorhynchus mykiss) |
| 97-88-1 n-butyl methacrylate | |
| EC50/96h | 57 mg/l (Pseudokirchneriella subcapitata) |
| EC50 | 253.6 mg/l (pseudomonas putida) (lit.) |
| IC50/72h | 31.2 mg/l (Pseudokirchneriella subcapitata) (OECD 201) |
| EC50/48h | 32 mg/l (daphnia magna) |
| EC50/48h | 25.4 mg/l (daphnia magna) (OECD 202) |
| LC50/96h | 11 mg/l (piscis) |
| | 5.57 mg/l (Oryzias latipes) (OECD 203) |
| 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/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) |

- **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.
- Ecotoxicological effects:
- Remark: Toxic for fish
- Additional ecological information:
- General notes: Do not allow product to reach ground water, water course or sewage system.
Also poisonous for fish and plankton in water bodies.
Toxic for aquatic organisms
Water hazard class 2 (German Regulation) (Self-assessment): hazardous for water
- **12.5 Results of PBT and vPvB assessment**
- PBT: Not applicable.
- vPvB: Not applicable.
- **12.6 Other adverse effects** No further relevant information available.

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 |

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- Uncleaned packaging:
- Recommendation: Disposal must be made according to official regulations.
Empty contaminated packagings thoroughly. They may be recycled after thorough and proper cleaning.
- Recommended cleansing agents: Alcohol

SECTION 14: Transport information

- | | |
|---|---|
| <ul style="list-style-type: none"> · 14.1 UN-Number · <u>ADR, IMDG, IATA</u> | UN3295 |
| <ul style="list-style-type: none"> · 14.2 UN proper shipping name · <u>ADR</u> · <u>IMDG</u> · <u>IATA</u> | 3295 HYDROCARBONS, LIQUID, N.O.S., ENVIRONMENTALLY HAZARDOUS HYDROCARBONS, LIQUID, N.O.S., MARINE POLLUTANT HYDROCARBONS, LIQUID, N.O.S. |
| <ul style="list-style-type: none"> · 14.3 Transport hazard class(es) · <u>ADR</u> | <div style="display: flex; align-items: center; gap: 10px;">   </div> <p style="margin-top: 10px;"> · <u>Class</u> 3 (F1) Flammable liquids. · <u>Label</u> 3 </p> |
| <ul style="list-style-type: none"> · <u>IMDG</u> | <div style="display: flex; align-items: center; gap: 10px;">   </div> <p style="margin-top: 10px;"> · <u>Class</u> 3 Flammable liquids. · <u>Label</u> 3 </p> |
| <ul style="list-style-type: none"> · <u>IATA</u> | <div style="display: flex; align-items: center; gap: 10px;">  </div> <p style="margin-top: 10px;"> · <u>Class</u> 3 Flammable liquids. · <u>Label</u> 3 </p> |
| <ul style="list-style-type: none"> · 14.4 Packing group · <u>ADR, IMDG, IATA</u> | III |
| <ul style="list-style-type: none"> · 14.5 Environmental hazards: · <u>Marine pollutant:</u> · <u>Special marking (ADR):</u> | Product contains environmentally hazardous substances: Symbol (fish and tree) Symbol (fish and tree) |
| <ul style="list-style-type: none"> · 14.6 Special precautions for user · <u>Danger code (Kemler):</u> · <u>EMS Number:</u> · <u>Stowage Category</u> | Warning: Flammable liquids. 30 F-E,S-D A |
| <ul style="list-style-type: none"> · 14.7 Transport in bulk according to Annex II of Marpol and the IBC Code | Not applicable. |

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· Transport/Additional information:

- ADR
 · Limited quantities (LQ) 5L
 · Excepted quantities (EQ) Code: E1
 Maximum net quantity per inner packaging: 30 ml
 Maximum net quantity per outer packaging: 1000 ml
- Transport category 3
 · Tunnel restriction code D/E

- IMDG
 · Limited quantities (LQ) 5L
 · Excepted quantities (EQ) Code: E1
 Maximum net quantity per inner packaging: 30 ml
 Maximum net quantity per outer packaging: 1000 ml

- UN "Model Regulation": UN 3295 HYDROCARBONS, LIQUID, N.O.S., 3, III,
 ENVIRONMENTALLY HAZARDOUS

SECTION 15: Regulatory information

· **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**

- Directive 2012/18/EU
 · Named dangerous substances - ANNEX I None of the ingredients is listed.
 · Seveso category E2 Hazardous to the Aquatic Environment
 P5c FLAMMABLE LIQUIDS
- Qualifying quantity (tonnes) for the application of lower-tier requirements 200 t
 · Qualifying quantity (tonnes) for the application of upper-tier requirements 500 t
 · REGULATION (EC) No 1907/2006 ANNEX XVII Conditions of restriction: 3
- 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 2 (Self-assessment): hazardous for water.
 · VOC EU 726.8 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.

- Relevant phrases H225 Highly flammable liquid and vapour.
 H226 Flammable liquid and vapour.
 H304 May be fatal if swallowed and enters airways.
 H315 Causes skin irritation.
 H317 May cause an allergic skin reaction.
 H319 Causes serious eye irritation.
 H335 May cause respiratory irritation.

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Safety data sheet

according to 1907/2006/EC, Article 31

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Trade name: Stone Sealer - satin finish

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- Recommended restriction of use H336 May cause drowsiness or dizziness.
H411 Toxic to aquatic life with long lasting effects.
refer to Technical Data Sheet (TDS)
- Department issuing SDS: Laboratory
- Contact: Dieter Zimmermann
- 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 européen sur le transport 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
 vPvB: very Persistent and very Bioaccumulative
 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
 Skin Sens. 1: Skin sensitisation – Category 1
 STOT SE 3: Specific target organ toxicity (single exposure) – Category 3
 Asp. Tox. 1: Aspiration hazard – Category 1
 Aquatic Chronic 2: Hazardous to the aquatic environment - long-term aquatic hazard – Category 2
- * Data compared to the previous version altered. Adaptation in accordance with REACH directive 1907/2006/EC