

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 18.07.2022

Version number 11 (replaces version 10)


Revision: 18.07.2022

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


- 1.1 Product identifier
- Trade name: **KEMPERDUR Deko Coating stone grey**
- UFI: 8XK8-R0P7-X00C-DAU2
- 1.2 Relevant identified uses of the substance or mixture and uses advised against
 - Identified use: intended for professional use only!
- Application of the substance / the mixture: Coating
- 1.3 Details of the supplier of the safety data sheet
- Manufacturer/Supplier: KEMPER SYSTEM GmbH & Co. KG
Holländische Strasse 32-36
34246 Vellmar
Deutschland / Germany
Telefon: +49 (0)561 / 8295-0
Telefax: +49 (0)561 / 8295-5110
E-Mail: MSDS@KEMPER-SYSTEM.COM
- Further information obtainable from: research & development
- 1.4 Emergency telephone number: Medical Emergency information in case of poisoning:
Poison Information Center Mainz - 24 h - Phone: +49 (0) 6131 19240
(advisory service in German or English language)

SECTION 2: Hazards identification

- 2.1 Classification of the substance or mixture
- Classification according to Regulation (EC) No 1272/2008
 - Flam. Liq. 3 H226 Flammable liquid and vapour.
 - Skin Sens. 1 H317 May cause an allergic skin reaction.
 - Aquatic Chronic 3 H412 Harmful to aquatic life with long lasting effects.
- 2.2 Label elements
- Labelling according to Regulation (EC) No 1272/2008
 - The product is classified and labelled according to the CLP regulation.
- Hazard pictograms



GHS02



GHS07
- Signal word: Warning
- Hazard-determining components of labelling:
 - aliphatic polyisocyanate
 - Phenol, methylstyrenated
 - 1,6-hexanediyl-bis(2-(2-(1-ethylpentyl)-3-oxazolidinyl)ethyl)carbamate
 - Isophorondiisocyanate homopolymer
 - 3-isocyanatomethyl-3,5,5-trimethylcyclohexyl isocyanate
 - Reaction mass of bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate and methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate
 - 2-ethylhexanal
 - 2-n-butyl-benzo[d]isothiazol-3-one
- Hazard statements
 - H226 Flammable liquid and vapour.
 - H317 May cause an allergic skin reaction.
 - H412 Harmful to aquatic life with long lasting effects.
- Precautionary statements
 - P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
 - P241 Use explosion-proof [electrical/ventilating/lighting] equipment.
 - P261 Avoid breathing dust/fume/gas/mist/vapours/spray.
 - P280 Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.
 - P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].
 - P501 Dispose of contents/container in accordance with local/regional/national/international regulations.
- Additional information:
 - EUH204 Warning isocyanates. May produce an allergic reaction.
 - EUH211 Warning! Hazardous respirable droplets may be formed when sprayed. Do not breathe spray or mist.
 - As from 24 August 2023 adequate training is required before industrial or professional use.
- 2.3 Other hazards
- Results of PBT and vPvB assessment
- PBT: Not applicable.

(Contd. on page 2)

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 18.07.2022

Version number 11 (replaces version 10)

Revision: 18.07.2022

Trade name: **KEMPERDUR Deko Coating stone grey**

(Contd. of page 1)

- vPvB: Not applicable.

- Determination of endocrine-disrupting properties

68512-30-1 | Phenol, methylstyrenated

List II

SECTION 3: Composition/information on ingredients**- 3.2 Mixtures****- Description:**

Mixture: consisting of the following components.

- Dangerous components:

CAS: 426822-87-9 EC number: 642-395-8	aliphatic polyisocyanate Skin Sens. 1, H317	25-50%
CAS: 64742-95-6 EINECS: 265-199-0	Solvent naphtha (petroleum), light arom. Flam. Liq. 3, H226; Asp. Tox. 1, H304; Aquatic Chronic 2, H411; STOT SE 3, H335-H336, EUH066	10-12.5%
CAS: 13463-67-7 EINECS: 236-675-5	titanium dioxide Carc. 2, H351	2.5-10%
CAS: 68512-30-1 EINECS: 270-966-8	Phenol, methylstyrenated Skin Irrit. 2, H315; Skin Sens. 1, H317; Aquatic Chronic 3, H412	≥2.5-<10%
CAS: 108-65-6 EINECS: 203-603-9	2-methoxy-1-methylethyl acetate Flam. Liq. 3, H226; STOT SE 3, H336	2.5-10%
CAS: 140921-24-0 ELINCS: 411-700-4	1,6-hexanediyl-bis(2-(2-(1-ethylpentyl)-3-oxazolidinyl)ethyl)carbamate Skin Sens. 1, H317	2.5-10%
CAS: 53880-05-0 EC number: 931-312-3	Isophorondiisocyanate homopolymer Skin Sens. 1, H317; STOT SE 3, H335	2.5-10%
EC number: 918-668-5	hydrocarbons, C9, aromatic Flam. Liq. 3, H226; Asp. Tox. 1, H304; Aquatic Chronic 2, H411; STOT SE 3, H335-H336, EUH066	≥0.5-<2.5%
CAS: 122-51-0 EINECS: 204-550-4	triethoxymethane Flam. Liq. 3, H226	0.5-2.5%
CAS: 4098-71-9 EINECS: 223-861-6	3-isocyanatomethyl-3,5,5-trimethylcyclohexyl isocyanate Acute Tox. 1, H330; Resp. Sens. 1, H334; Aquatic Chronic 2, H411; Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1, H317; STOT SE 3, H335, EUH204 Specific concentration limits: Resp. Sens. 1; H334: C ≥ 0.5 % Skin Sens. 1; H317: C ≥ 0.5 %	≥0.1-<0.25%
CAS: 123-05-7 EINECS: 204-596-5	2-ethylhexanal Flam. Liq. 3, H226; Repr. 2, H361; Skin Sens. 1B, H317	≥0.1-<0.5%
CAS: 4299-07-4 ELINCS: 420-590-7	2-n-butyl-benzof[2,3-b]isothiazol-3-one Skin Corr. 1B, H314; Aquatic Acute 1, H400; Aquatic Chronic 1, H410; Skin Sens. 1, H317	≥0.1-<0.25%
CAS: 77-99-6 EINECS: 201-074-9	propylidynetrimethanol Repr. 2, H361fd	<0.5%
CAS: 1065336-91-5 EC number: 915-687-0	Reaction mass of bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate and methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate Repr. 2, H361f; Aquatic Acute 1, H400; Aquatic Chronic 1, H410; Skin Sens. 1A, H317	≥0.025-<0.1%

- 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.
Do not leave affected persons unattended.
Personal protection for the First Aider.
Take affected persons out of danger area and lay down.

- After inhalation:

In case of unconsciousness place patient stably in side position for transportation.
Supply fresh air; consult doctor in case of complaints.

- After skin contact:

Immediately wash with water and soap and rinse thoroughly.
Seek medical treatment in case of complaints.

- After eye contact:

Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
Protect unharmed eye.

- After swallowing:

If symptoms persist consult doctor.

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

No further relevant information available.

(Contd. on page 3)

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 18.07.2022

Version number 11 (replaces version 10)

Revision: 18.07.2022

Trade name: **KEMPERDUR Deko Coating stone grey**

(Contd. of page 3)

SECTION 8: Exposure controls/personal protection

- 8.1 Control parameters

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

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

OEL Short-term value: 550 mg/m³, 100 ppm
Long-term value: 275 mg/m³, 50 ppm
Sk, IOELV

4098-71-9 3-isocyanatomethyl-3,5,5-trimethylcyclohexyl isocyanate

OEL Long-term value: 0.005 ppm
Sens

- Regulatory information

OEL: 2021 CoP for the Safety, Health and Welfare at Work

- 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:

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.

- Respiratory protection:

When used properly and under normal conditions, breathing protection is not required.
Use suitable respiratory protective device in case of insufficient ventilation.
Filter A/P2
Respiratory protection - Gas filters and combination filters according to (DIN EN 141)

- Hand protection



Protective gloves

Check protective gloves prior to each use for their proper condition.
Only use chemical-protective gloves with CE-labelling of category III.
The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation
After use of gloves apply skin-cleaning agents and skin cosmetics.

- Material of gloves

Recommended materials:

Butyl rubber, BR

Recommended thickness of the material: ≥ 0.5 mm

Penetration time (min.): < 480

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 determined penetration times according to EN 16523-1:2015 are not performed under practical conditions. Therefore a maximum wearing time, which corresponds to 50% of the penetration time, is recommended.

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

Nitrile rubber, NBR

Recommended thickness of the material: ≥ 0.1 mm

Penetration time (min.): < 10

- Eye/face protection



Tightly sealed goggles

- Body protection:

Protective goggles and facial protection - Classification according to EN 166
protective clothing (EN 13034)

SECTION 9: Physical and chemical properties

- 9.1 Information on basic physical and chemical properties

- General Information

- Colour:

According to product specification

- Odour:

Characteristic

- Odour threshold:

Not determined.

- Melting point/freezing point:

Undetermined.

(Contd. on page 5)

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 18.07.2022

Version number 11 (replaces version 10)

Revision: 18.07.2022

Trade name: **KEMPERDUR Deko Coating stone grey**

(Contd. of page 4)

- Boiling point or initial boiling point and boiling range	165 °C
- Flammability	Not applicable.
- Lower and upper explosion limit	
- Lower:	0.7 Vol %
- Upper:	7 Vol %
- Flash point:	36 °C
- Ignition temperature:	315 °C
- Decomposition temperature:	Not determined.
- pH	Not determined.
- Viscosity:	
- Kinematic viscosity at 20 °C	106 s (ISO 6 mm)
- Dynamic:	Not determined.
- Solubility	
- water:	Not miscible or difficult to mix.
- Partition coefficient n-octanol/water (log value)	Not determined.
- Density and/or relative density	
- Density at 20 °C:	1.44 g/cm ³
- Relative density	Not determined.
- Vapour density	Not determined.

- 9.2 Other information	
- Appearance:	
- Form:	Fluid
- Important information on protection of health and environment, and on safety.	
- Auto-ignition temperature:	Product is not selfigniting.
- Explosive properties:	Product is not explosive. However, formation of explosive air/vapour mixtures are possible.
- Solvent separation test:	
- VOC (EC)	23.40 %
- Change in condition	
- Evaporation rate	Not determined.

- Information with regard to physical hazard classes	
- Explosives	Void
- Flammable gases	Void
- Aerosols	Void
- Oxidising gases	Void
- Gases under pressure	Void
- Flammable liquids	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

(Contd. on page 6)

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 18.07.2022

Version number 11 (replaces version 10)

Revision: 18.07.2022

Trade name: **KEMPERDUR Deko Coating stone grey**

(Contd. of page 5)

- 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 according to specifications.
- 10.3 Possibility of hazardous reactions	Reacts with alcohols, amines, aqueous acids and alkalis. Reacts with water.
- 10.4 Conditions to avoid	No further relevant information available.
- 10.5 Incompatible materials:	Amines, acids, alkalis, strong oxidants, alcohols
- 10.6 Hazardous decomposition products:	Carbon monoxide and carbon dioxide

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:

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

Oral	LD50	>5,000 mg/kg (rat)
Dermal	LD50	>3,160 mg/kg (rabbit) (OECD 402)

68512-30-1 Phenol, methylstyrenated

Oral	LD50	>2,000 mg/kg (rat) (OECD 423)
Dermal	LD50	>2,000 mg/kg (rat) (OECD 402)

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

Oral	LD50	8,532 mg/kg (rat)
Dermal	LD50	>2,000 mg/kg (rat)
Inhalative	LC50/4 h	35.7 mg/l (rat)

140921-24-0 1,6-hexanediy-bis(2-(2-(1-ethylpentyl)-3-oxazolidinyl)ethyl)carbamate

Oral	LD50	>5,000 mg/kg (rat)
Dermal	LD50	>2,000 mg/kg (rat)

53880-05-0 Isophorondiisocyanate homopolymer

Oral	LD50	>14,000 mg/kg (rat) (OECD 401)
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hydrocarbons, C9, aromatic

Oral	LD50	>3,492 mg/kg (rat) (OECD 401)
Dermal	LD50	>3,160 mg/kg (rabbit) (OECD 402)

122-51-0 triethoxymethane

Oral	LD50	7,060 mg/kg (rat)
Dermal	LD50	18,000 mg/kg (rabbit)
Inhalative	LC50/4 h	4,000 mg/l (rat)

4098-71-9 3-isocyanatomethyl-3,5,5-trimethylcyclohexyl isocyanate

Inhalative	LC50/4 h	0.05 mg/l (ATE)
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123-05-7 2-ethylhexanal

Oral	LD50	3,730 mg/kg (rat)
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4299-07-4 2-n-butyl-benzo[d]isothiazol-3-one

Oral	LD50	>2,000 mg/kg (rat)
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(Contd. on page 7)

IE

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 18.07.2022

Version number 11 (replaces version 10)

Revision: 18.07.2022

Trade name: **KEMPERDUR Deko Coating stone grey**

(Contd. of page 6)

Dermal	LD50	>2,000 mg/kg (rat)
77-99-6 propylidynetrimethanol		
Oral	LD50	14,100 mg/kg (rat)
1065336-91-5 Reaction mass of bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate and methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate		
Oral	LD50	3,230 mg/kg (rat) (OECD-guideline 423)
Dermal	LD50	>3,170 mg/kg (rat) (OECD Guideline 402 (Acute Dermal Toxicity))

- **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** 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** Based on available data, the classification criteria are not met.
- **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**

68512-30-1	Phenol, methylstyrenated	List II
540-97-6	Dodecamethylcyclohexasiloxane	List II
541-02-6	2,2,4,4,6,6,8,8,10,10-decamethylcyclopentasiloxane	List II
556-67-2	octamethylcyclotetrasiloxane	List II, III
128-37-0	2,6-di-tert-butyl-p-cresol	List II

SECTION 12: Ecological information

- **12.1 Toxicity**- **Aquatic toxicity:****64742-95-6 Solvent naphtha (petroleum), light arom.**

LL 50	9.2 mg/l (fish) (96h; OECD 203)
EC50	3.2 mg/l (Daphnia magna) (48h; OECD 202)
EC50	2.6 mg/l (Pseudokirchneriella subcapitata) (72h; OECD 201)

68512-30-1 Phenol, methylstyrenated

ErC50	15 mg/l (daphnia) (OECD TG 201)
LC50/96 h	25.8 mg/l (daphnia) (OECD TG 203)
EC50	14-51 mg/l (daphnia) (OECD TG 202)

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

LC50/96 h	>100 mg/l (oryzias latipes (Ricefish)) 161 mg/l (fis)
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140921-24-0 1,6-hexanediyl-bis(2-(2-(1-ethylpentyl)-3-oxazolidinyl)ethyl)carbamate

LC50/96 h	316 mg/l (Danio rerio (Zebraabärbling)) (OECD 203)
EC50	1.77 mg/l (Bakterien) (activated sludge; ISO 8192-1986 E)
IC50	43 mg/l (DESMODESMUS SUBSPICATUS) (72h; OECD 201)
EC50	193 mg/l (Daphnia magna) (48h; OECD 202)

53880-05-0 Isophorondiisocyanate homopolymer

LC50/96 h	>1.51 mg/l (Cyprinus Carpio) (Richtlinie 67/548/EWG, Anhang V, C.1.)
EC50	>3.36 mg/l (Daphnia magna) (OECD 202)
EC50	>10,000 mg/l (Belebtschlamm) (OECD 209)

hydrocarbons, C9, aromatic

LL 50	9.2 mg/l (Oncorhynchus mykiss (Regenbogenforelle)) (96h; OECD 203)
EL50	2.9 mg/l (Pseudokirchneriella subcapitata) (72h; OECD 201)
	3.2 mg/l (Daphnia magna) (48h; OECD 202)
EC50	>99 mg/l (Belebtschlamm) (10 min.; OECD 209)

4299-07-4 2-n-butyl-benzo[d]isothiazol-3-one

ErC50	0.45 mg/l (ALGAE - Grünalge) (72h)
LC50/96 h	0.15 mg/l (Oncorhynchus mykiss (Regenbogenforelle)) (OECD 203)
EC50	93 mg/l (Daphnia magna) (OECD 202)

(Contd. on page 8)

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 18.07.2022

Version number 11 (replaces version 10)

Revision: 18.07.2022

Trade name: **KEMPERDUR Deko Coating stone grey**

(Contd. of page 7)

1065336-91-5 Reaction mass of bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate and methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate

EC50	0.42 mg/l (ALGAE) (OECD 201)
LC50	0.9 mg/l /72 h (fish) (OECD 203 (96 hr))

- **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**
- **Remark:** Harmful to fish
- **Additional ecological information:**
- **General notes:** Harmful to aquatic organisms
Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water
Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

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.
Disposal according to official regulations

- **European waste catalogue**

08 05 01*	waste isocyanates
15 01 10*	packaging containing residues of or contaminated by hazardous substances
17 02 03	plastic

- **Uncleaned packaging:**
- **Recommendation:** Disposal must be made according to official regulations.

SECTION 14: Transport information

- **14.1 UN number or ID number**
- **ADR, IMDG** Void
- **IATA** UN1263
- **14.2 UN proper shipping name**
- **ADR, IMDG** Void
- **IATA** PAINT
- **14.3 Transport hazard class(es)**
- **ADR, ADN, IMDG**
- **Class** Void
- **IATA**
- 
- **Class** 3 Flammable liquids.
- **Label** 3
- **14.4 Packing group**
- **ADR, IMDG** Void
- **IATA** III
- **14.5 Environmental hazards:**
- **Marine pollutant:** No
- **14.6 Special precautions for user** Not applicable.
- **14.7 Maritime transport in bulk according to IMO instruments** Not applicable.

(Contd. on page 9)

Safety data sheet

according to 1907/2006/EC, Article 31

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Version number 11 (replaces version 10)

Revision: 18.07.2022

Trade name: KEMPERDUR Deko Coating stone grey

(Contd. of page 8)

- Transport/Additional information:

- ADR

- Remarks:

Kein Gut der Kl. 3 gemäß 2.2.3.1.5 ADR / 2.3.2.5 IMDG-Code
 ADR IMDG: Verpackung > 450 l = UN 1263 - Kl. 3 - Farbe - VPIII
 Außerhalb ADR / IMDG = UN 1263 - Kl. 3 - Farbe - VPIII

Not goods of cl. 3 in accordance with 2.2.3.1.5 ADR / 2.3.2.5 IMDG-Code
 ADR/IMDG: Packaging > 450 l = UN 1263 - Cl. 3 - Paint - PGIII
 Outside ADR / IMDG = UN 1263 - Cl. 3 - Paint - PGIII

- UN "Model Regulation":

Void

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 P5c FLAMMABLE LIQUIDS

- Qualifying quantity (tonnes) for the application of lower-tier requirements 5,000 t

- Qualifying quantity (tonnes) for the application of upper-tier requirements 50,000 t

- REGULATION (EC) No 1907/2006 ANNEX XVII Conditions of restriction: 3, 74

- 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.

- 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.

The safety data sheet issued is also compliant with the regulation Annex I of Regulation (EU) no. 453/2010 and Annex II of Regulation (EU) no. 2020/878.

- Relevant phrases

- H226 Flammable liquid and vapour.
- H304 May be fatal if swallowed and enters airways.
- H314 Causes severe skin burns and eye damage.
- H315 Causes skin irritation.
- H317 May cause an allergic skin reaction.
- H319 Causes serious eye irritation.
- H330 Fatal if inhaled.
- H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.
- H335 May cause respiratory irritation.
- H336 May cause drowsiness or dizziness.
- H351 Suspected of causing cancer.
- H361 Suspected of damaging fertility or the unborn child.
- H361f Suspected of damaging fertility.
- H361fd Suspected of damaging fertility. Suspected of damaging the unborn child.
- H400 Very toxic to aquatic life.
- H410 Very toxic to aquatic life with long lasting effects.
- H411 Toxic to aquatic life with long lasting effects.
- H412 Harmful to aquatic life with long lasting effects.
- EUH066 Repeated exposure may cause skin dryness or cracking.
- EUH204 Contains isocyanates. May produce an allergic reaction.

- Department issuing SDS:

research & development

(Contd. on page 10)

Safety data sheet

according to 1907/2006/EC, Article 31

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Version number 11 (replaces version 10)

Revision: 18.07.2022

Trade name: KEMPERDUR Deko Coating stone grey

(Contd. of page 9)

- Contact:	research & development
- Date of previous version:	01.02.2022
- Version number of previous version:	10
- Abbreviations and acronyms:	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) VOC: Volatile Organic Compounds (USA, EU) LC50: Lethal concentration, 50 percent LD50: Lethal dose, 50 percent PBT: Persistent, Bioaccumulative and Toxic vPvB: very Persistent and very Bioaccumulative Flam. Liq. 3: Flammable liquids – Category 3 Acute Tox. 1: Acute toxicity – Category 1 Skin Corr. 1B: Skin corrosion/irritation – Category 1B Skin Irrit. 2: Skin corrosion/irritation – Category 2 Eye Irrit. 2: Serious eye damage/eye irritation – Category 2 Resp. Sens. 1: Respiratory sensitisation – Category 1 Skin Sens. 1: Skin sensitisation – Category 1 Skin Sens. 1A: Skin sensitisation – Category 1A Skin Sens. 1B: Skin sensitisation – Category 1B Carc. 2: Carcinogenicity – Category 2 Repr. 2: Reproductive toxicity – Category 2 Repr. 2: Reproductive toxicity – Category 2 Repr. 2: Reproductive toxicity – Category 2 STOT SE 3: Specific target organ toxicity (single exposure) – Category 3 Asp. Tox. 1: Aspiration hazard – Category 1 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 2: Hazardous to the aquatic environment - long-term aquatic hazard – Category 2 Aquatic Chronic 3: Hazardous to the aquatic environment - long-term aquatic hazard – Category 3
- Sources	- www.echa.europa.eu - www.baua.de IFA: Institute für Occupational Safety and Health of the German Social Accident Insurance: - www.dguv.de/ifa/gestis/gestis-stoffdatenbank/index.jsp - www.dguv.de/ifa/gestis/gestis-dnel-liste
- * Data compared to the previous version altered.	