

SECTION 1: Identification of the substance/mixture and of the company/undertaking**1.1 Product identifier**

Trade name:

SILIKON PROTECT 031**1.2 Relevant identified uses of the substance or mixture and uses advised against****Life cycle stages**

C/PW Consumer use / Widespread use by professional workers

Sector of Use

SU19 Building and construction work

Product category

PC9a Coatings and paints, thinners, paint removers

Process category

PROC11 Non industrial spraying

PROC19 Manual activities involving hand contact

Environmental release category

ERC10a / ERC11a Widespread use of articles with low release

Article category

AC0 Other

Application of the substance / the preparationStructural skim - Product for an industrial, technical and private use for coating building surfaces.
For all other uses is advised against/ not recommended.**1.3 Details of the supplier of the safety data sheet****Manufacturer/Supplier:**KREISEL - Technika Budowlana Sp. z o.o.
ul. Szarych Szeregów 23
60-462 Poznań
Poland

Tel. +48 61 846 79 00

Fax +48 61 846 79 09

poznan@kreisel.pl

kreisel.pl

Further information obtainable from:

Bartosz Polaczyk - Tel.: +48 510 022 908, +48 61 84 67 966, bartosz.polaczyk@kreisel.pl

Jarosław Białecki - Tel.: +48 509 553 378, +48 44 726 16 65, jaroslaw.bialecki@kreisel.pl

On working days 8 a.m. - 4 p.m.

1.4 Emergency telephone number

National poisons information centre: +44/(0)171 - 635 9191

National Health Service: 111

European emergency call: 112

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SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008

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

Void

Signal word

Void

Hazard statements

H412 Harmful to aquatic life with long lasting effects.

Precautionary statements

P273 Avoid release to the environment.

P501 Dispose of contents/container to an authorised disposal firm or communal collection point.

Unique Formula Identifier (UFI-Code) according to Regulation (EC) No 542/2017

8FX0-J0K7-N00M-QNFF

Additional information:

EUH208 Contains Mixture of 5-Chloro-2-methyl-2H-isothiazolin-3-one [EC 247-500-7] and 2-Methyl-2H-isothiazol-3-one [EC 220-239-6] (3:1). May produce an allergic reaction.

2.3 Other hazards

Health hazards can occur after inhalation of aerosols.

Results of PBT and vPvB assessment

PBT: Not applicable.

vPvB: Not applicable.

SECTION 3: Composition/information on ingredients

3.1 Chemical characterization: Substances

This product is a mixture.

3.2 Chemical characterisation: Mixtures

Description:

Mixture of silicone- and other polymer dispersion and nonhazardous fillers and additions.

Dangerous components:

CAS: 64359-81-5 EINECS: 264-843-8	4,5-Dichloro-2-octyl-2H-isothiazol-3-one ☠ Acute Tox. 2, H330; ☠ Skin Corr. 1B, H314; Eye Dam. 1, H318; ☠ Aquatic Acute 1, H400 (M=100); Aquatic Chronic 1, H410 (M=10); ☠ Acute Tox. 4, H302; Skin Sens. 1, H317	≥ 0.0025 - < 0.025%
CAS: 55406-53-6 EINECS: 259-627-5 Index number: ... 616-212-00-7	3-Iodo-2-propynylbutylcarbamate ☠ Acute Tox. 3, H331; ☠ STOT RE 1, H372; ☠ Eye Dam. 1, H318; ☠ Aquatic Acute 1, H400 (M=10); Aquatic Chronic 1, H410 (M=1); ☠ Acute Tox. 4, H302; Skin Sens. 1, H317	< 0.025%

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CAS: 55965-84-9 Index number:... 613-167-00-5	Mixture of 5-Chloro-2-methyl-2H-isothiazolin-3-one [EC 247-500-7] and 2-Methyl-2H-isothiazol-3-one [EC 220-239-6] (3:1)	< 0.0015%
	<p>☠ Acute Tox. 3, H301; Acute Tox. 3, H311; Acute Tox. 3, H331; ☠ Skin Corr. 1B, H314;</p> <p>☠ Aquatic Acute 1, H400 (M=100); Aquatic Chronic 1, H410 (M=10); ☠ Skin Sens. 1, H317</p>	

Other components (>20%):

CAS: 1317-65-3 EINECS: 215-279-6 REACH: *	Limestone (Calcium carbonate)	50 - 100%
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Additional information:

For the wording of the listed hazard phrases refer to section 16.

* Not subject to registration in accordance with EC 1907/2006 Annex V (point 7) or Article 2.

SECTION 4: First aid measures

4.1 Description of first aid measures

First aid

General information:

For first responder no special personal protective equipment is required. First responder should avoid contact with the product.

After inhalation:

Take affected persons into fresh air and keep quiet. Seek medical treatment in case of complaints. In case of irregular breathing or respiratory arrest provide artificial respiration. In case of unconsciousness place patient stably in side position for transportation.

After skin contact:

Immediately wash with water and soap and rinse thoroughly. Immediately remove all soiled and contaminated clothing. Wash contaminated clothes before reuse. Clean contaminated shoes before reuse. If skin irritation continues, consult a doctor.

After eye contact:

Do not rub eyes because additional damage to eyes can be caused by mechanical stress. If necessary, remove contact lenses and flush the eye immediately while holding eyelids open to water for at least 20 minutes. If possible, isotonic eyewash solution (e. g. 0,9% NaCl). Always consult an occupational physician or ophthalmologist.

After swallowing:

Do not induce vomiting. If conscious rinse mouth with water and drink plenty of water. Consult a physician or poison control center.

4.2 Most important symptoms and effects, both acute and delayed

Symptoms and effects are described in section 2 and 11.

Hazards:

No further relevant information available.

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4.3 Indication of any immediate medical attention and special treatment needed

If a physician is to be consulted, as per possibility he should be presented this safety data sheet.

SECTION 5: Firefighting measures**5.1 Extinguishing media****Suitable extinguishing agents:**

The mixture is flammable neither in the delivery condition nor in mixed conditions. Extinguisher and fire fighting are therefore adjusted to the surrounding fire.

5.2 Special hazards arising from the substance or mixture

This product is neither explosive nor flammable, and non-oxidizing with other materials. Particular danger of slipping on leaked/spilled product.

5.3 Advice for firefighters

No special measures required. Collect contaminated fire fighting water separately. It must not enter the sewage system. Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.

SECTION 6: Accidental release measures**6.1 Personal precautions, protective equipment and emergency procedures**

If appropriate, reference must be made to exposure controls and personal protection (see section 8).

6.2 Environmental precautions

Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

6.3 Methods and material for containment and cleaning up

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust). 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. Avoid contact with the eyes and skin. Wear protective clothing. Washing facilities / Water for cleaning eyes and skin should be available. Persons, who tend to skin diseases or other hypersensitivity reactions of the skin, should not handle the product. Do not eat, drink, smoke or sniff while working.

Information about fire - and explosion protection:

No special measures required.

7.2 Conditions for safe storage, including any incompatibilities**Storage:****Requirements to be met by storerooms and receptacles:**

Keep out of reach of children. Store in cool, dry place in tightly closed receptacles.

Information about storage in one common storage facility:

Keep away from foodstuffs, beverages and feed.

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Further information about storage conditions:

Protect from frost. Protect from heat and direct sunlight.

Minimum storage life:

Minimum storage life (+5°C up to 25°C): See indication on package.

Storage class: 12**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:****55406-53-6 3-Iodo-2-propynylbutylcarbamate**

AGW (Germany)	Long-term value: 0.058 mg/m ³ , 0.005 ppm 2 (I);DFG, Y, Sh, 11
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55965-84-9 Mixture of 5-Chloro-2-methyl-2H-isothiazolin-3-one [EC 247-500-7] and 2-Methyl-2H-isothiazol-3-one [EC 220-239-6] (3:1)

MAK (Germany)	Long-term value: 0.2E mg/m ³ vgl.Abschn.Xc
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Additional information:

The lists valid during the making were used as basis.

8.2 Exposure controls**8.2.1. Personal protective equipment****General protective and hygienic measures:**

Keep away from foodstuffs, beverages and feed. Remove contaminated clothing immediately and thoroughly clean it before using it again. Wash hands before breaks and at the end of work. Avoid contact with the eyes and skin. Do not eat, drink, smoke or sniff while working. Use skin protection cream for skin protection. Ensure that washing facilities are available at the work place.

Respiratory protection:

Use suitable respiratory protective device only when aerosol or mist is formed (FFP2 according to EN 149)

Protection of hands:

Hand protection: Chemical resistant protective gloves according EN 374

The glove material has to be impermeable and resistant to the product. Due to missing tests no recommendation to the glove material can be given for the product. Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation. Check protective gloves prior to each use for their proper condition. Preventive skin protection by use of skin-protecting agents is recommended. To avoid skin problems reduce the wearing of gloves to the required minimum.

Penetration time of glove material:

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

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

Nitrile rubber, NBR gloves

Synthetic rubber gloves

PVC gloves

Recommended thickness of the material: $\geq 0,15\text{mm}$

Not suitable are gloves made of the following materials:

Leather gloves

Eye protection:



In case of splash risk use tightly fitting safety goggles according to EN 166.

Body protection:



Protective work clothing

Risk management measures:

An operator training/guidance in the correct use of personal protective equipment is necessary to ensure the required level of effectiveness.

8.2.2. Information about design of technical facilities

No further data; see item 7.

8.2.3. Limitation and supervision of exposure into the environment

Avoid release in the environment. Use the surplus or dispose it of properly.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

General Information

Appearance:

Form:

Pasty

Colour:

Different according to colouring

Odour:

Mild

Odour threshold:

Not safety relevant

pH-value at 20 °C (68 °F):

8 - 10

Change in condition

Melting point/freezing point:

~ 0 °C (~ 32 °F)

Initial boiling point and boiling range:

100 °C (212 °F)

Flash point:

Not applicable

Ignition temperature:

> 400 °C (> 752 °F)

Decomposition temperature:

>825°C to CaO and CO₂

Auto-ignition temperature:

Product is not selfigniting.

Oxidising properties:

None

Explosive properties:

Product does not present an explosion hazard.

Explosion limits:

Lower:

Not determined

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Upper:	Not determined
Vapour pressure at 20 °C (68 °F):	23 hPa (17.3 mm Hg)
Density at 20 °C (68 °F):	1.6 - 1.8 g/cm ³ (13.35 - 15.02 lbs/gal)
Solubility in / Miscibility with Water:	Fully miscible
Viscosity:	
Dynamic at 20 °C (68 °F):	> 5,000 mPas
Solvent content:	
Organic solvents:	0.2 %
VOC (EC)	0 g/l
VOC (EC)	0.00 %
Solids content:	81 - 85 %
9.2 Other information	No further relevant information available.

SECTION 10: Stability and reactivity

10.1 Reactivity

No dangerous reactions known.

10.2 Chemical stability:

The product is stable as long as it is stored properly and dry.

Thermal decomposition / conditions to be avoided:

No decomposition if used according to specifications.

10.3 Possibility of hazardous reactions

No dangerous reactions known.

10.4 Conditions to avoid

No further relevant information available.

10.5 Incompatible materials

No further relevant information available.

10.6 Hazardous decomposition products

No dangerous decomposition products known.

Minimum storage life:

Minimum storage life (+5°C up to 25°C): See indication on package.

Additional information:

No further relevant information available.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

The product was not investigated. The statement is derived from the properties of the single components.

Acute toxicity:

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

LD/LC50 values relevant for classification:**1317-65-3 Limestone (Calcium carbonate)**

Oral	LD ₅₀	6,450 mg/kg (Rat) (RTECS Data)
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64359-81-5 4,5-Dichloro-2-octyl-2H-isothiazol-3-one		
Oral	LD ₅₀	500 mg/kg (ATE)
Inhalative	LC ₅₀ (4h)	0.055 - 0.53 mg/l (Rat)
55406-53-6 3-Iodo-2-propynylbutylcarbamate		
Oral	LD ₅₀	1,470 mg/kg (Rat)
Dermal	LD ₅₀	> 2,000 mg/kg (Rat)
Inhalative	LC ₅₀ (4h)	> 6.89 mg/l (Rat)
55965-84-9 Mixture of 5-Chloro-2-methyl-2H-isothiazolin-3-one [EC 247-500-7] and 2-Methyl-2H-isothiazol-3-one [EC 220-239-6] (3:1)		
Oral	LD ₅₀	64 mg/kg (Rat)
Dermal	LD ₅₀	87.12 mg/kg (Rabbit)
Inhalative	LC ₅₀ (4h)	3 mg/l (ATE)

Other information (about experimental toxicology):

55965-84-9 Mixture of 5-Chloro-2-methyl-2H-isothiazolin-3-one [EC 247-500-7] and 2-Methyl-2H-isothiazol-3-one [EC 220-239-6] (3:1)		
Sensitisation	OECD 406 (sensitization)	(Guinea pig) (OECD 406) sensitising

Primary irritant effect:

On the skin:

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

On the eye:

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

Sensitization:

Sensitising effect by skin contact is possible by prolonged exposure.

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.

Specific target organ toxicity - single exposure (STOT SE):

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

Specific target organ toxicity - repeated exposure (STOT RE):

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

Aspiration hazard:

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

11.2 Practical experience

No further relevant information available.

11.3 General comments

No further relevant information available.

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SECTION 12: Ecological information

12.1 Toxicity

The product was not investigated. The statement is derived from the properties of the single components.

Aquatic toxicity:

1317-65-3 Limestone (Calcium carbonate)

LC ₅₀ (96h)	> 100 mg/l (Rainbow trout - oncorhynchus mykiss) (OECD 203)
LC ₅₀ (48h)	> 100 mg/l (Water flea - daphnia magna) (OECD 202)
EC ₅₀	> 14 mg/l (Algae - desmodesmus subspicatus) (OECD 201)
	> 1,000 mg/l (Activated sewage sludge) (OECD 209)

64359-81-5 4,5-Dichloro-2-octyl-2H-isothiazol-3-one

LC ₅₀ (96h)	0.014 mg/l (Perch - lepomis macrochirus) (OECD 203)
	0.0027 mg/l (Rainbow trout - oncorhynchus mykiss)
EC ₅₀	5.7 mg/l (Activated sludge organisms)
ErC ₅₀ (72h)	0.077 mg/l (Algae - pseudokirchneriella subcapitata) (OECD 201)
EC ₅₀ (48h)	0.0057 mg/l (Water flea - daphnia magna)
EC ₅₀ (72h)	0.048 mg/l (Algae - pseudokirchneriella subcapitata) (OECD 201)
NOEC (96h)	0.00056 mg/l (Rainbow trout - oncorhynchus mykiss)

55406-53-6 3-Iodo-2-propynylbutylcarbamate

LC ₅₀ (96h)	0.23 mg/l (Fish)
	0.192 mg/l (Rainbow trout - oncorhynchus mykiss) (S 1857)
EC ₅₀	44 mg/l (Activated sewage sludge)
EC ₅₀ (48h)	0.47 mg/l (Water flea - daphnia) (S 1858)
EC ₅₀ (72h)	0.097 mg/l (Algae - pseudokirchneriella subcapitata) (S 1859)
	0.022 mg/l (Algae scenedesmus subcapitatus)

55965-84-9 Mixture of 5-Chloro-2-methyl-2H-isothiazolin-3-one [EC 247-500-7] and 2-Methyl-2H-isothiazol-3-one [EC 220-239-6] (3:1)

LC ₅₀ (96h)	0.19 mg/l (Rainbow trout - oncorhynchus mykiss)
EC ₅₀	7.9 mg/kg (Activated sludge organisms)
EC ₅₀ (48h)	0.12 mg/l (Water flea - daphnia)
	0.0052 mg/l (Skeletonema costatum) (OECD 201)
	RAC Opinion
EC ₅₀ (72h)	0.048 mg/l (Algae - pseudokirchneriella subcapitata)
	0.072 mg/l (Algae - selenastrum capricornutum)
EC ₅₀ (96h)	0.22 mg/l (Rainbow trout - oncorhynchus mykiss)
NOEC (72h)	0.0012 mg/l (Algae - pseudokirchneriella subcapitata) (OECD 201)
NOEC (48h)	0.00064 mg/l (Skeletonema costatum) (OECD 201)
	RAC Opinion
NOEC (21d)	0.004 mg/kg (Water flea - daphnia magna) (OECD 211)
NOEC (28d)	0.098 mg/l (Rainbow trout - oncorhynchus mykiss) (OECD 201)

12.2 Persistence and degradability

A part of the components is biodegradable.

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Degree of elimination:**55965-84-9 Mixture of 5-Chloro-2-methyl-2H-isothiazolin-3-one [EC 247-500-7] and 2-Methyl-2H-isothiazol-3-one [EC 220-239-6] (3:1)**

OECD 301 D Closed-Bottle-Test	> 60 % (Activated sludge organisms) (OECD 301 D) Oxygen depletion - readily biodegradable; S 200
OECD 308 Simulation Biodegradation	1.82 - 1.92 d (Sediments) (OECD 308) CIT; S 617

12.3 Bioaccumulative potential**55965-84-9 Mixture of 5-Chloro-2-methyl-2H-isothiazolin-3-one [EC 247-500-7] and 2-Methyl-2H-isothiazol-3-one [EC 220-239-6] (3:1)**

Log Kow	0.75 (n-Octanole / Water) (OECD 107) S 5
Bioconcentration factor (BCF)	3.6 (Calculated) EPIWIN; S 1177

12.4 Mobility in soil

No further relevant information available.

Ecotoxicological effects:**55965-84-9 Mixture of 5-Chloro-2-methyl-2H-isothiazolin-3-one [EC 247-500-7] and 2-Methyl-2H-isothiazol-3-one [EC 220-239-6] (3:1)**

EC ₂₀ (3h)	0.97 mg/l (Activated sludge organisms) (OECD 209)
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Remark:

Harmful to fish

Behaviour in sewage processing plants:**55965-84-9 Mixture of 5-Chloro-2-methyl-2H-isothiazolin-3-one [EC 247-500-7] and 2-Methyl-2H-isothiazol-3-one [EC 220-239-6] (3:1)**

OECD 302 B Zahn Wellens Test	100 % (Activated sludge organisms) (OECD 302 B) Substance removal (HPLC), completely eliminated by biodegradation; S 2387
OECD 303 A Activated Sludge Units	> 80 % (Activated sludge organisms) (OECD 303 A) active ingredient - rapid biodegradable; bridging S 199

Type of test Effective concentration Method Assessment

No further relevant information available.

Additional ecological information:**General notes:**

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.

12.5 Results of PBT and vPvB assessment**PBT:** Not applicable.**vPvB:** Not applicable.**12.6 Other adverse effects**

No further relevant information available.

Literature

No further relevant information available.

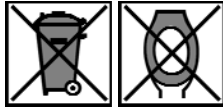
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SECTION 13: Disposal considerations

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 01 20	Aqueous suspensions containing paint or varnish other than those mentioned in 08 01 19
17 09 04	Mixed construction and demolition wastes other than those mentioned in 17 09 01, 17 09 02 and 17 09 03
15 01 02	Plastic packaging
HP 14	Ecotoxic

17 09 04 for the settled product
08 01 20 for residues of the unprocessed product
15 01 02 for the completely emptied packaging

13.2 Uncleaned packaging

Recommendation:

Disposal must be made according to official regulations.
Recycle only completely emptied packaging.

Recommended cleansing agents:

Water, if necessary together with cleansing agents.

SECTION 14: Transport information

14.1 UN-Number ADR, ADN, IMDG, IATA	Void
14.2 UN proper shipping name ADR, ADN, IMDG, IATA	Void
14.3 Transport hazard class(es) ADR, ADN, IMDG, IATA Class	Void
14.4 Packing group ADR, IMDG, IATA	Void
14.5 Environmental hazards Marine pollutant:	No
14.6 Special precautions for user	Not applicable
14.7 Transport in bulk according to Annex II of Marpol and the IBC Code	Not applicable
UN "Model Regulation":	Void

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SECTION 15: Regulatory information

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

Directive (EU) 2012/18

Named dangerous substances - ANNEX I :

None of the ingredients is listed.

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

National regulations:

Biozide ingredients (98/8/EG):

Data based on recipe and information on the raw materials from the supply chain.

Tetramethylacetylene diurea	< 0.05%
4,5-Dichloro-2-octyl-2H-isothiazol-3-one	≥ 0.0025 - < 0.025%
3-Iodo-2-propynylbutylcarbamate	< 0.025%
Mixture of 5-Chloro-2-methyl-2H-isothiazolin-3-one [EC 247-500-7] and 2-Methyl-2H-isothiazol-3-one [EC 220-239-6] (3:1)	< 0.0015%
2-Methyl-2H-isothiazol-3-one	< 0.0015%
1,2-Benzisothiazol-3(2H)-one	< 0.0015%
2-Octyl-2H-isothiazol-3-one	< 0.00015%

Classification according 2004/42/EG:

IIA(c) 40 - this product contains < 40 g/l VOC (see chapter 9)

Waterhazard class:

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

Other regulations, limitations and prohibitive regulations:

·Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC

·Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006

·Directive 1999/45/EC of the European Parliament and of the Council of 31 May 1999 concerning the approximation of the laws, regulations and administrative provisions of the Member States relating to the classification, packaging and labelling of dangerous preparations

·Commission regulation (EU) 2015/830 of 28 May 2015 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH)

·Regulation (EC) 1013/2006 on shipments of waste

·Technical Rules for Hazardous Substances 900 - Workplace exposure limits (TRGS 900, Germany)

15.2 Chemical safety assessment

A Chemical Safety Assessment has not been carried out.

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SECTION 16: Other information

Reasons for changes:

* Data compared to the previous version altered.

Relevant phrases:

H301 Toxic if swallowed.

H302 Harmful if swallowed.

H311 Toxic in contact with skin.

H314 Causes severe skin burns and eye damage.

H317 May cause an allergic skin reaction.

H318 Causes serious eye damage.

H330 Fatal if inhaled.

H331 Toxic if inhaled.

H372 Causes damage to organs through prolonged or repeated exposure.

H400 Very toxic to aquatic life.

H410 Very toxic to aquatic life with long lasting effects.

Advice for instructions:

Additional trainings, which go beyond the prescribed training in activities involving hazardous substances are not required.

Department issuing MSDS:

Product safety department (+43/(0)5522-41646-0 / klaus.ritter@fixit-gruppe.com)

Contact:

Dr. Klaus Ritter

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

MAK: Maximale Arbeitsplatz-Konzentration (maximum concentration of a chemical substance in the workplace, Austria/Germany)

PBT: persistent, bioaccumulative and toxic properties

vPvB: very persistent, bioaccumulative properties

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)

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

Acute Tox. 4: Acute toxicity – Category 4

Acute Tox. 2: Acute toxicity – Category 2

Acute Tox. 3: Acute toxicity – Category 3

Skin Corr. 1B: Skin corrosion/irritation – Category 1B

Eye Dam. 1: Serious eye damage/eye irritation – Category 1

Skin Sens. 1: Skin sensitisation – Category 1

STOT RE 1: Specific target organ toxicity (repeated exposure) – 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 3: Hazardous to the aquatic environment - long-term aquatic hazard – Category 3

Further information:

The information in this safety data sheet describe the safety requirements of our product and is based on our current state of our knowledge. They provide no assurance of product quality. Existing laws, ordinances and regulations, including those that are not mentioned in this data sheet must be observed by the recipient of our products in their own responsibility.