

Safety Data Sheet
according to Regulation (EC) No. 1907/2006 (REACH)
according to Regulation (EU) 2015/830



Article No.: 13-454-XXX-6
Print date: 06.01.2021
Version: 8.1

Rockpanel Edge Paint
Revision date: 28.07.2020
Issue date: 28.07.2020

EN
Page 1 / 11

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

1.1. Product identifier

Article No. (manufacturer/supplier)	13-454-XXX-6
Trade name/designation	Rockpanel Edge Paint seidenmatt, diverse Töne SDB-Gruppe 13-454-XXX-6

1.2. Relevant identified uses of the substance or mixture and uses advised against

Relevant identified uses

coating material

1.3. Details of the supplier of the safety data sheet

Supplier (manufacturer/importer/downstream user/distributor):

Rockpanel	
Konstruktieweg 2	Telephone: +31 (0)475 353 000
6046 JD - Roermond	Telefax: +31 (0)475 353 439
Netherlands	

Information contact:

E-mail (competent person)	info@Rockpanel.nl
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1.4. Emergency telephone number

Emergency telephone number	+31 (0)475 353 000
Only available during office hours.	8:00 - 17.00

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 [CLP]

The mixture is classified as hazardous according to regulation (EC) No 1272/2008 [CLP].

Skin Sens. 1 / H317	Respiratory or skin sensitisation	May cause an allergic skin reaction.
Aquatic Chronic 3 / H412	Hazardous to the aquatic environment	Harmful to aquatic life with long lasting effects.

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms



Warning

Hazard statements

H317	May cause an allergic skin reaction.
H412	Harmful to aquatic life with long lasting effects.

Precautionary statements

P261	Avoid breathing vapours.
P280	Wear protective gloves and eye/face protection.
P302 + P352	IF ON SKIN: Wash with plenty of soap and water.
P333 + P313	If skin irritation or rash occurs: Get medical advice/attention.
P362 + P364	Take off contaminated clothing and wash it before reuse.

Hazard components for labelling

Derivative of Benzotriazol
1,2-benzisothiazol-3(2H)-one
reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7], and 2-methyl-2H
-isothiazol-3-one [EC no. 220-239-6] (3:1)
Bis(1,2,2,6,6-pentamethyl-4-piperidyl)sebacate and methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate

Supplemental hazard information

not applicable

2.3. Other hazards

No information available.

SECTION 3: Composition / information on ingredients

Safety Data Sheet
according to Regulation (EC) No. 1907/2006 (REACH)
according to Regulation (EU) 2015/830



Article No.: 13-454-XXX-6
Print date: 06.01.2021
Version: 8.1

Rockpanel Edge Paint
Revision date: 28.07.2020
Issue date: 28.07.2020

EN
Page 2 / 11

3.2. Mixtures

Description Laquer on the basis of the following fillers, resins and other components

Classification according to Regulation (EC) No 1272/2008 [CLP]

EC No. CAS No. Index No.	REACH No. Designation classification // Remark	weight-%
203-905-0 111-76-2 603-014-00-0	01-2119475108-36 2-butoxyethanol Acute Tox. 4 H332 / Acute Tox. 4 H312 / Acute Tox. 4 H302 / Eye Irrit. 2 H319 / Skin Irrit. 2 H315	2,5 - 5
400-830-7 607-176-00-3	01-0000015075-76-0017 Derivative of Benzotriazol Skin Sens. 1 H317 / Aquatic Chronic 2 H411	1 - 2,5
255-437-1 41556-26-7	01-2119491304-40-0000 Bis(1,2,2,6,6-pentamethyl-4-piperidyl)sebacate and methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate Skin Sens. 1 H317 / Aquatic Acute 1 H400 (M = 1) / Aquatic Chronic 1 H410	0,5 - 1
220-120-9 2634-33-5 613-088-00-6	1,2-benzisothiazol-3(2H)-one Acute Tox. 4 H302 / Skin Irrit. 2 H315 / Eye Dam. 1 H318 / Skin Sens. 1 H317 / Aquatic Acute 1 H400 Specific concentration limit (SCL): Skin Sens. 1 H317 >= 0,05	< 0,5
55965-84-9 613-167-00-5	reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7], and 2-methyl-2H -isothiazol-3-one [EC no. 220-239-6] (3:1) Acute Tox. 2 H330 / Acute Tox. 2 H310 / Acute Tox. 3 H301 / Skin Corr. 1C H314 / Eye Dam. 1 H318 / Skin Sens. 1A H317 / Aquatic Acute 1 H400 (M = 100) / Aquatic Chronic 1 H410 (M = 100) Specific concentration limit (SCL): Skin Corr. 1C H314 >= 0,6 / Skin Irrit. 2 H315 >= 0,06 / Eye Dam. 1 H318 >= 0,6 / Eye Irrit. 2 H319 >= 0,06 / Skin Sens. 1A H317 >= 0,0015	< 0,5

Additional information

Full text of classification: see section 16

SECTION 4: First aid measures

4.1. Description of first aid measures

General information

In all cases of doubt, or when symptoms persist, seek medical advice. In case of unconsciousness give nothing by mouth, place in recovery position and seek medical advice.

In case of inhalation

Remove casualty to fresh air and keep warm and at rest. In case of irregular breathing or respiratory arrest provide artificial respiration.

Following skin contact

Take off immediately all contaminated clothing. After contact with skin, wash immediately with plenty of water and soap. Do not use solvents or thinners.

After eye contact

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Seek medical advice immediately.

Following ingestion

If swallowed, rinse mouth with water (only if the person is conscious). Seek medical advice immediately. Keep victim calm. Do NOT induce vomiting.

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

In all cases of doubt, or when symptoms persist, seek medical advice.

4.3. Indication of any immediate medical attention and special treatment needed

First Aid, decontamination, treatment of symptoms.

Article No.: 13-454-XXX-6 Rockpanel Edge Paint
Print date: 06.01.2021 Revision date: 28.07.2020
Version: 8.1 Issue date: 28.07.2020

EN
Page 3 / 11

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

alcohol resistant foam, carbon dioxide, Powder, spray mist, (water)

Unsuitable extinguishing media

strong water jet

5.2. Special hazards arising from the substance or mixture

Dense black smoke occurs during fire. Inhaling hazardous decomposing products can cause serious health damage.

5.3. Advice for firefighters

Provide a conveniently located respiratory protective device. Cool closed containers that are near the source of the fire. Do not allow water used to extinguish fire to enter drains, ground or waterways.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Keep away from sources of ignition. Ventilate affected area. Do not breathe vapours.

6.2. Environmental precautions

Do not allow to enter into surface water or drains. If the product contaminates lakes, rivers or sewages, inform competent authorities in accordance with local regulations.

6.3. Methods and material for containment and cleaning up

Isolate leaked material using non-flammable absorption agent (e.g. sand, earth, vermiculit, diatomaceous earth) and collect it for disposal in appropriate containers in accordance with the local regulations (see section 13). Clean using cleansing agents. Do not use solvents.

6.4. Reference to other sections

Observe protective provisions (see section 7 and 8).

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advices on safe handling

Avoid formation of flammable and explosive vapour concentrations in the air and exceeding the exposure limit values. Only use the material in places where open light, fire and other flammable sources can be kept away. Electrical equipment must be protected meeting the accepted standard. Keep away from heat sources, sparks and open flames. Use only spark proof tools. Avoid contact with skin, eyes and clothes. Do not inhale dusts, particulates and spray mist when using this preparation. Avoid respiration of swarf. When using do not eat, drink or smoke. Personal protection equipment: refer to section 8. Do not empty containers with pressure - no pressure vessel! Always keep in containers that correspond to the material of the original container. Follow the legal protection and safety regulations.

Further information

Vapours are heavier than air. Vapours form explosive mixtures with air.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Storage in accordance with the Ordinance on Industrial Safety and Health (BetrSiVO). Keep container tightly closed. Do not empty containers with pressure - no pressure vessel! Smoking is forbidden. Access only for authorised persons. Store carefully closed containers upright to prevent any leaks. Soils have to conform to the "Guidelines for avoidance of ignition hazards due to electrostatic charges (TRGS 727)".

Hints on joint storage

Keep away from strongly acidic and alkaline materials as well as oxidizers.

Further information on storage conditions

Take care of instructions on label. Store in a well-ventilated and dry room at temperatures between 15 °C and 30 °C. Protect from heat and direct sunlight.

Due to the content of organic solvents in the preparation:

Protect from heat and direct sunlight. Keep container tightly closed. Remove all sources of ignition. Smoking is forbidden. Access only for authorised persons. Store carefully closed containers upright to prevent any leaks.

7.3. Specific end use(s)

Observe technical data sheet. Observe instructions for use.

Article No.: 13-454-XXX-6 Rockpanel Edge Paint
Print date: 06.01.2021 Revision date: 28.07.2020
Version: 8.1 Issue date: 28.07.2020

EN
Page 4 / 11

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Occupational exposure limit values:

2-butoxyethanol

Index No. 603-014-00-0 / EC No. 203-905-0 / CAS No. 111-76-2

WEL, TWA: 123 mg/m³; 25 ppm

WEL, STEL: 246 mg/m³; 50 ppm

Remark: (may be absorbed through the skin)

BMGV, TWA: 240 mmol/mol creatinine

Remark: Butoxyacetic acid; urine; end of exposure or end of shift

Additional information

TWA : Long-term occupational exposure limit value

STEL : short-term occupational exposure limit value

Ceiling : peak limitation

DNEL:

2-butoxyethanol

Index No. 603-014-00-0 / EC No. 203-905-0 / CAS No. 111-76-2

DNEL acute dermal, short-term (systemic), Workers: 89 mg/kg bw/day

DNEL long-term dermal (systemic), Workers: 125 mg/kg bw/day

DNEL Kurzzeit inhalativ (systemisch), Workers: 1091 mg/m³

DNEL short-term inhalation (local), Workers: 246 mg/m³

DNEL acute dermal, short-term (systemic), Consumer: 89 mg/kg

DNEL long-term dermal (systemic), Consumer: 75 mg/kg bw/day

DNEL long-term inhalative (systemic), Consumer: 59 mg/m³

DNEL Kurzzeit inhalativ (systemisch), Consumer: 147 mg/m³

DNEL short-term inhalation (local), Consumer: 426 mg/m³

DNEL Kurzzeit oral (systemisch), Consumer: 26,7 mg/kg bw/day

DNEL long-term oral (systemic) , Consumer: 6,3 mg/kg bw/day

Bis(1,2,2,6,6-pentamethyl-4-piperidyl)sebacate and methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate

EC No. 255-437-1 / CAS No. 41556-26-7

DNEL long-term dermal (systemic), Workers: 2 mg/kg

DNEL long-term inhalative (systemic), Workers: 3,53 mg/m³

DNEL long-term dermal (systemic), Consumer: 1 mg/kg

DNEL long-term inhalative (systemic), Consumer: 0,87 mg/m³

DNEL long-term oral (systemic) , Consumers: 0,5 mg/kg

Derivative of Benzotriazol

Index No. 607-176-00-3 / EC No. 400-830-7

DNEL long-term dermal (systemic), Workers: 0,5 mg/kg

DNEL long-term inhalative (systemic), Workers: 0,35 mg/m³

DNEL long-term dermal (systemic), Consumer: 0,25 mg/kg

DNEL long-term inhalative (systemic), Consumer: 0,085 mg/m³

DNEL long-term oral (systemic) , Consumer: 0,025 mg/kg

PNEC:

2-butoxyethanol

Index No. 603-014-00-0 / EC No. 203-905-0 / CAS No. 111-76-2

PNEC aquatic, freshwater: 8,8 mg/L

PNEC aquatic, marine water: 0,88 mg/L

PNEC aquatic, intermittent release: 9,1 mg/L

PNEC sediment, freshwater: 34,6 mg/kg

PNEC sediment, marine water: 3,46 mg/kg

PNEC, soil: 2,33 mg/kg

PNEC sewage treatment plant (STP): 433 mg/L

PNEC Secondary Poisoning: 20 mg/kg

Bis(1,2,2,6,6-pentamethyl-4-piperidyl)sebacate and methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate

EC No. 255-437-1 / CAS No. 41556-26-7

PNEC aquatic, freshwater: 2,2 µg/L

PNEC aquatic, marine water: 0,22 µg/L

Safety Data Sheet
according to Regulation (EC) No. 1907/2006 (REACH)
according to Regulation (EU) 2015/830



Article No.: 13-454-XXX-6 Rockpanel Edge Paint
Print date: 06.01.2021 Revision date: 28.07.2020
Version: 8.1 Issue date: 28.07.2020

EN
Page 5 / 11

PNEC aquatic, intermittent release: 0,009 mg/L
PNEC sediment, freshwater: 1,05 mg/kg
PNEC sediment, marine water: 0,11 mg/kg
PNEC, soil: 0,21 mg/kg
PNEC sewage treatment plant (STP): 1 mg/L

Derivative of Benzotriazol

Index No. 607-176-00-3 / EC No. 400-830-7

PNEC aquatic, freshwater: 2,3 µg/L
PNEC aquatic, marine water: 0,23 µg/L
PNEC aquatic, intermittent release: 0,028 mg/L
PNEC sediment, freshwater: 3,06 mg/kg
PNEC sediment, marine water: 0,306 mg/kg
PNEC, soil: 2 mg/kg
PNEC sewage treatment plant (STP): 10 mg/L

8.2. Exposure controls

Provide good ventilation. This can be achieved with local or room suction. If this should not be sufficient to keep aerosol and solvent vapour concentration below the exposure limit values, a suitable respiratory protection must be used.

Personal protection equipment

Respiratory protection

If concentration of solvents is beyond the occupational exposure limit values, approved and suitable respiratory protection must be used.

Hand protection

For prolonged or repeated handling the following glove material must be used: Naturlatex; Natural rubber e.g.: Marigold G17K; ME104

Thickness of the glove material > 0,4 mm ; Breakthrough time: > 480 min.

Observe the instructions and details for use, storage, maintenance and replacement provided by the protective glove manufacturer. Penetration time of glove material depending on intensity and duration of exposure to skin. Recommended glove articles EN ISO 374

Barrier creams can help protecting exposed skin areas. In no case should they be used after contact.

Eye/face protection

Wear closely fitting protective glasses in case of splashes.

Body protection

Wear antistatic clothing of natural fibers (cotton) or heat resistant synthetic fibers.

Protective measures

After contact clean skin thoroughly with water and soap or use appropriate cleanser.

Environmental exposure controls

Do not allow to enter into surface water or drains. See section 7. No additional measures necessary.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance:

Physical state: Liquid
Colour: refer to label

Odour: characteristic

Odour threshold: not applicable

pH at 20 °C: not applicable

Melting point/freezing point: not applicable

Initial boiling point and boiling range: 100 °C
Source: Wasser

Flash point: not applicable

Evaporation rate: not applicable

flammability

Burning time: not applicable

Upper/lower flammability or explosive limits:

Lower explosion limit: 1,1 Vol-%

Safety Data Sheet
according to Regulation (EC) No. 1907/2006 (REACH)
according to Regulation (EU) 2015/830



Article No.: 13-454-XXX-6
Print date: 06.01.2021
Version: 8.1

Rockpanel Edge Paint
Revision date: 28.07.2020
Issue date: 28.07.2020

EN
Page 6 / 11

Upper explosion limit:	10,6 Vol-% Source: 2-butoxyethanol
Vapour pressure at 20 °C:	0,0415 mbar
Vapour density:	not applicable
Relative density:	
Density at 20 °C:	1,15 g/cm³
Solubility(ies):	
Water solubility at 20 °C:	insoluble
Partition coefficient: n-octanol/water:	see section 12
Auto-ignition temperature:	240 °C Source: 2-butoxyethanol
Decomposition temperature:	not applicable
Viscosity at 20 °C:	> 65 s 4 mm Method: DIN 53211
Explosive properties:	not applicable
Oxidising properties:	not applicable
9.2. Other information	
Solid content:	47,12 weight-%
solvent content:	
Organic solvents:	4 weight-%
Water:	49 weight-%
Solvent separation test:	< 3 weight-% (ADR/RID)

SECTION 10: Stability and reactivity

10.1. Reactivity

No information available.

10.2. Chemical stability

Stable when applying the recommended regulations for storage and handling. Further information on correct storage: refer to section 7.

10.3. Possibility of hazardous reactions

Keep away from strong acids, strong bases and strong oxidizing agents to avoid exothermic reactions.

10.4. Conditions to avoid

Stable when applying the recommended regulations for storage and handling. Further information on correct storage: refer to section 7. Hazardous decomposition byproducts may form with exposure to high temperatures.

10.5. Incompatible materials

not applicable

10.6. Hazardous decomposition products

Hazardous decomposition byproducts may form with exposure to high temperatures, e.g.: carbon dioxide, carbon monoxide, smoke, nitrogen oxides.

SECTION 11: Toxicological information

Classification according to Regulation (EC) No 1272/2008 [CLP]

11.1. Information on toxicological effects

Acute toxicity

2-butoxyethanol

oral, LD50, Guinea pig: 1300 mg/kg

Method: OECD 401

dermal, LD50, Guinea pig: > 2000 mg/kg

Method: OECD 402

inhalative (vapours), LC50, Guinea pig: > 400 mg/m³

1,2-benzisothiazol-3(2H)-one

oral, LD50, Rat: 1193 mg/kg

dermal, LD50, Rat: 4115 mg/kg

Safety Data Sheet
according to Regulation (EC) No. 1907/2006 (REACH)
according to Regulation (EU) 2015/830



Article No.: 13-454-XXX-6 Rockpanel Edge Paint
Print date: 06.01.2021 Revision date: 28.07.2020
Version: 8.1 Issue date: 28.07.2020

EN
Page 7 / 11

reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7], and 2-methyl-2H -isothiazol-3-one [EC no. 220-239-6] (3:1)

oral, LD50, Rat: 53 mg/kg
dermal, LD50, Rat: 141 mg/kg
inhalative (dust and mist), LC50, Rat: 0,17 mg/L (4 h)

Bis(1,2,2,6,6-pentamethyl-4-piperidyl)sebacate and methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate
oral, LD50, Rat: 3230 mg/kg

Derivative of Benzotriazol
oral, LD50, Rat: > 5000 mg/kg
Method: OECD 401
dermal, LD50, Rat: > 2000 mg/kg
Method: OECD 402
inhalative (vapours), LC50, Rat: > 5,8 mg/L (4 h)
Method: OECD 403

Skin corrosion/irritation; Serious eye damage/eye irritation

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

Respiratory or skin sensitisation

May cause an allergic skin reaction.

CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)

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

STOT-single exposure; 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.

Practical experience/human evidence

Inhaling of solvent components above the MWC-value can lead to health damage, e.g. irritation of the mucous membrane and respiratory organs, as well as damage to the liver, kidneys and the central nerve system. Indications for this are: headache, dizziness, fatigue, amyosthenia, drowsiness, in serious cases: unconsciousness. Solvents may cause some of the aforementioned effects through skin resorption. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and/or absorption through skin. Splashing may cause eye irritation and reversible damage.

Overall Assessment on CMR properties

The ingredients in this mixture do not meet the criteria for classification as CMR category 1A or 1B according to CLP.

SECTION 12: Ecological information

Classification according to Regulation (EC) No 1272/2008 [CLP]
Do not allow to enter into surface water or drains.

12.1. Toxicity

2-butoxyethanol

Fish toxicity, LC50, Oncorhynchus mykiss (Rainbow trout): 1474 mg/L (96 h)
Bacteria toxicity, LC50: > 1000
Algae toxicity, EC50, Pseudokirchneriella subcapitata: 1840 mg/L (72 h)

1,2-benzisothiazol-3(2H)-one

Fish toxicity, LC50, Oncorhynchus mykiss (Rainbow trout): 2,18 mg/L 0 - 16 mg/L (96 h)
Daphnia toxicity, EC50, Daphnia magna: 2,94 mg/L (48 h)
Algae toxicity, ErC50, Pseudokirchneriella subcapitata: 0,11 mg/L (72 h)
shellfish toxicity, EC50: 4,4 mg/L 4,4 - 4,4 mg/L (48 h)
Algae toxicity, NOEC, Skeletonema costatum: 0,027 (72 h)

reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7], and 2-methyl-2H -isothiazol-3-one [EC no. 220-239-6] (3:1)

Fish toxicity, LC50, Oncorhynchus mykiss (Rainbow trout): > 0,188 mg/L 0,188 - 2,13 mg/L (96 h)
Daphnia toxicity, EC50, Daphnia magna: 1,07 mg/L 0,18 - 13 mg/L (48 h)
shellfish toxicity, LC50: 0,56 mg/L 0,56 - 0,56 mg/L (48 h)
Algae toxicity, EC50, Selenastrum capricornutum: > 0,027 mg/L 0,027 - 0,13 mg/L (72 h)
Algae toxicity, EC50: 0,06 mg/L 0,06 - 0,06 mg/L (96 h)

Article No.: 13-454-XXX-6 Rockpanel Edge Paint
Print date: 06.01.2021 Revision date: 28.07.2020
Version: 8.1 Issue date: 28.07.2020

EN
Page 8 / 11

Fish toxicity, LC50: 0,19 mg/L 0,03 - 0,07 mg/L (96 h)
Fish toxicity, NOEC, Oncorhynchus mykiss (Rainbow trout): 0,098 mg/L (28 day)
Method: OECD 210
Daphnia toxicity, NOEC, Daphnia magna (Big water flea): 0,004 (21 day)
Method: OECD 211
Algae toxicity, NOEC, Pseudokirchneriella subcapitata: 0,0012 (72 h)
Bis(1,2,2,6,6-pentamethyl-4-piperidyl)sebacate and methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate
Fish toxicity, LC50, Lepomis macrochirus (Bluegill): 0,97 mg/L (96 h); Evaluation OECD 203
Fish toxicity, LC50, Oncorhynchus mykiss (Rainbow trout): 7,9 mg/L (96 h); Evaluation OECD 203
Fish toxicity, LC50, Danio rerio (zebrafish): 0,9 mg/L (96 h)
Aquatic toxicity, EC50, Daphnia magna (Big water flea): 20 mg/L (24 h); Evaluation OECD 202
Aquatic plants, EC50, Desmodesmus subspicatus: 1,68 mg/L (72 h); Evaluation OECD 201.
microorganisms / Effect on activated sludge, EC50, Activated sludge: > 100 mg/L (3 h); Evaluation OECD 209
Derivative of Benzotriazol
Fish toxicity, LC50, Oncorhynchus mykiss (Rainbow trout): 2,8 mg/L (96 h); Evaluation OECD 203
Daphnia toxicity, EC50, Daphnia magna (Big water flea): 4 mg/L (48 h)
Aquatic plants, EC50, Pseudokirchneriella subcapitata: > 100 mg/L (72 h)
Aquatic plants, EC10, Pseudokirchneriella subcapitata: 10 mg/L (72 h); Evaluation OECD 201
microorganisms / Effect on activated sludge, EC50, Activated sludge: > 1000 mg/L (3 h)

Long-term Ecotoxicity

Harmful to aquatic life with long lasting effects.

Bis(1,2,2,6,6-pentamethyl-4-piperidyl)sebacate and methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate
Chronic (long-term) daphnia toxicity, NOEC, Daphnia magna (Big water flea): 1 mg/L (21 D); Evaluation OECD 211

Derivative of Benzotriazol

Daphnia toxicity, NOEC, Daphnia magna (Big water flea): 0,78 mg/L (21 day); Evaluation OECD 202
Toxicity to soil macroorganisms, LC0, Eisenia fetida: > 1000 mg/kg (14 day); Evaluation OECD 207
Toxicity to soil macroorganisms, NOEC, Eisenia fetida: 100 mg/kg (56 day); Evaluation OECD 207
Terrestrial toxicity, EC50, Brassica rapa: > 100 mg/L ; Evaluation OECD 208

12.2. Persistence and degradability

Toxicological data are not available.

12.3. Bioaccumulative potential

Toxicological data are not available.

Bioconcentration factor (BCF)

Toxicological data are not available.

12.4. Mobility in soil

Toxicological data are not available.

12.5. Results of PBT and vPvB assessment

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

12.6. Other adverse effects

No information available.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Appropriate disposal / Product Recommendation

Do not allow to enter into surface water or drains. This material and its container must be disposed of in a safe way. Waste disposal according to directive 2008/98/EC, covering waste and dangerous waste.

List of proposed waste codes/waste designations in accordance with EWC

080111* Waste paint and varnish containing organic solvents or other dangerous substances

*Hazardous waste according to Directive 2008/98/EC (waste framework directive).

Appropriate disposal / Package Recommendation

Recommendation

Non-contaminated packages may be recycled. Vessels not properly emptied are special waste.

SECTION 14: Transport information

No dangerous good in sense of this transport regulation.

Safety Data Sheet
according to Regulation (EC) No. 1907/2006 (REACH)
according to Regulation (EU) 2015/830



Article No.: 13-454-XXX-6
Print date: 06.01.2021
Version: 8.1

Rockpanel Edge Paint
Revision date: 28.07.2020
Issue date: 28.07.2020

EN
Page 9 / 11

- 14.1. **UN number** not applicable
- 14.2. **UN proper shipping name**
- 14.3. **Transport hazard class(es)** not applicable
- 14.4. **Packing group** not applicable
- 14.5. **Environmental hazards**
Land transport (ADR/RID) not applicable
Marine pollutant not applicable
- 14.6. **Special precautions for user**
Transport always in closed, upright and safe containers. Make sure that persons transporting the product know what to do in case of an accident or leakage.
Advices on safe handling: see parts 6 - 8
- Further information**
- Land transport (ADR/RID)**
tunnel restriction code -
- Sea transport (IMDG)**
EmS-No. not applicable
- 14.7. **Transport in bulk according to Annex II of Marpol and the IBC Code**
not applicable

SECTION 15: Regulatory information

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

EU legislation

Regulation (EU) No. 528/2012 on biocides

treated article

biocide, active substance

1,2-benzisothiazol-3(2H)-one

reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7], and 2-methyl-2H -isothiazol-3-one [EC no. 220-239-6] (3:1)

Pyridine-2-thiol 1-oxide

Zinkpyridinthionat

Input

0,000161 Gew-%

Use

Main group 2: Preservatives

Product-type 6: Preservatives for products during storage

Directive 2010/75/EU on industrial emissions [Industrial Emissions Directive]

VOC-value (in g/L): 44,368

National regulations

Restrictions of occupation

Observe employment restrictions under the Maternity Protection Directive (92/85/EEC) for expectant or nursing mothers.

Observe restrictions to employment for juvenils according to the 'juvenile work protection guideline' (94/33/EC).

15.2. Chemical Safety Assessment

For the following substances of this mixture a chemical safety assessment has been carried out:

EC No. CAS No.	Designation	REACH No.
203-905-0 111-76-2	2-butoxyethanol	01-2119475108-36
255-437-1 41556-26-7	Bis(1,2,2,6,6-pentamethyl-4-piperidyl)sebacate 1,2,2,6,6-pentamethyl-4-piperdyl sebacate	and methyl 01-2119491304-40-0000

Safety Data Sheet
according to Regulation (EC) No. 1907/2006 (REACH)
according to Regulation (EU) 2015/830



Article No.: 13-454-XXX-6
Print date: 06.01.2021
Version: 8.1

Rockpanel Edge Paint
Revision date: 28.07.2020
Issue date: 28.07.2020

EN
Page 10 / 11

SECTION 16: Other information

Full text of classification in section 3:

Acute Tox. 4 / H332	Acute toxicity (inhalative)	Harmful if inhaled.
Acute Tox. 4 / H312	Acute toxicity (dermal)	Harmful in contact with skin.
Acute Tox. 4 / H302	Acute toxicity (oral)	Harmful if swallowed.
Eye Irrit. 2 / H319	Serious eye damage/eye irritation	Causes serious eye irritation.
Skin Irrit. 2 / H315	Skin corrosion/irritation	Causes skin irritation.
Skin Sens. 1 / H317	Respiratory or skin sensitisation	May cause an allergic skin reaction.
Aquatic Chronic 2 / H411	Hazardous to the aquatic environment	Toxic to aquatic life with long lasting effects.
Aquatic Acute 1 / H400	Hazardous to the aquatic environment	Very toxic to aquatic organisms.
Aquatic Chronic 1 / H410	Hazardous to the aquatic environment	Very toxic to aquatic life with long lasting effects.
Eye Dam. 1 / H318	Serious eye damage/eye irritation	Causes serious eye damage.
Acute Tox. 2 / H330	Acute toxicity (inhalative)	Fatal if inhaled.
Acute Tox. 2 / H310	Acute toxicity (dermal)	Fatal in contact with skin.
Acute Tox. 3 / H301	Acute toxicity (oral)	Toxic if swallowed.
Skin Corr. 1C / H314	Skin corrosion/irritation	Causes severe skin burns and eye damage.
Skin Sens. 1A / H317	Respiratory or skin sensitisation	May cause an allergic skin reaction.

Classification procedure

Classification for mixtures and used evaluation method according to regulation (EC) No 1272/2008 [CLP]

Skin Sens. 1	Respiratory or skin sensitisation	Calculation method.
Aquatic Chronic 3	Hazardous to the aquatic environment	Calculation method.

Abbreviations and acronyms

ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
OEL	Occupational Exposure Limit Value
BLV	Biological Limit Value
CAS	Chemical Abstracts Service
CLP	Classification, Labelling and Packaging
CMR	Carcinogenic, Mutagenic and Reprotoxic
DIN	German Institute for Standardization / German industrial standard
DNEL	Derived No-Effect Level
EAKV	European Waste Catalogue Directive
EC	Effective Concentration
EC	European Community
EN	European Standard
IATA-DGR	International Air Transport Association – Dangerous Goods Regulations
IBC Code	International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk
ICAO-TI	International Civil Aviation Organization Technical Instructions for the Safe Transport of Dangerous Goods by Air
IMDG Code	International Maritime Code for Dangerous Goods
ISO	International Organization for Standardization
LC	Lethal Concentration
LD	Lethal Dose
MARPOL	Maritime Pollution: The International Convention for the Prevention of Pollution from Ships
OECD	Organisation for Economic Cooperation and Development
PBT	persistent, bioaccumulative, toxic
PNEC	Predicted No Effect Concentration
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals
RID	Regulations concerning the International Carriage of Dangerous Goods by Rail
UN	United Nations
VOC	Volatile Organic Compounds
vPvB	very persistent and very bioaccumulative

Further information

Classification according to Regulation (EC) No 1272/2008 [CLP]

The information supplied on this safety data sheet complies with our current level of knowledge as well as with national and EU regulations. Without written approval, the product must not be used for purposes different from those mentioned in section 1. It is always the user's duty to take any necessary measures for meeting the requirements laid down by local rules and regulations. The details in this safety data sheet describe the safety requirements of our product and are not to be

Safety Data Sheet
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according to Regulation (EU) 2015/830



Article No.: 13-454-XXX-6 Rockpanel Edge Paint
Print date: 06.01.2021 Revision date: 28.07.2020
Version: 8.1 Issue date: 28.07.2020

EN
Page 11 / 11

regarded as guaranteed attributes of the product.