

**Safety Data Sheet**  
according to Regulation (EC) No. 1907/2006 (REACH)  
according to Regulation (EU) 2020/878



Article No.: 34080 - 34082 Floorservice Nature Protect Premium 2K (A)  
Print date: 21.08.2023 Revision date: 10.07.2023 14359 EN  
Version: 1.1 Issue date: 10.07.2023 Page 1 / 12

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

**1.1. Product identifier**

Article No. (manufacturer/supplier) 34080 - 34082  
Trade name/designation Floorservice Nature Protect Premium 2K (A)  
UFI: N300-80W4-600P-CVE3

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

**Relevant identified uses**

Two-pack performance coatings

**1.3. Details of the supplier of the safety data sheet**

**supplier (manufacturer/importer/downstream user/distributor)**

Overmat Industries b.v.  
Scharlo 11 +31 (0) 416 / 317788  
NL-5165 NG Waspik  
info@overmat.nl  
www.overmat.nl

**Department responsible for information:**

Product Safety Department 8:30 a.m. - 5:00 p.m. Peter Kerstens  
E-mail (competent person) +31 (0) 416 / 317788  
p.kerstens@overmat.nl

**1.4. Emergency telephone number**

Netherland +31(030) 2748888

**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.

**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.

**Precautionary statements**

P280 Wear protective gloves and eye/face protection.  
P302 + P352 IF ON SKIN: Wash with plenty of soap and water.

**Hazard components for labelling**

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

**Supplemental hazard information**

not applicable

**2.3. Other hazards**

No information available.

**SECTION 3: Composition/information on ingredients**

**3.2. Mixtures**

**Description** acrylic resin

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

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EC No. CAS No. Index No.	REACH No. Designation classification: // Remark	weight-%
204-469-4 121-44-8 612-004-00-5	01-2119475467-26 triethylamine Flam. Liq. 2 H225 / Acute Tox. 4 H302 / Acute Tox. 3 H311 / Acute Tox. 3 H331 / Skin Corr. 1A H314 / Eye Dam. 1 H318 / STOT SE 3 H335 Specific concentration limit (SCL): STOT SE 3 H335 >= 1 Acute toxicity estimate (ATE): ATE (oral): 730 mg/kg bw / ATE (inhalation, vapour): 7,10 mg/L	0,1 < 1
224-518-3 4394-85-8	01-2119987993-12 4-morpholinecarbaldehyde Skin Sens. 1B H317	0,1 < 1
220-120-9 2634-33-5 613-088-00-6	01-2120761540-60 1,2-benzisothiazol-3(2H)-one Acute Tox. 4 H302 / Acute Tox. 2 H330 / Skin Irrit. 2 H315 / Eye Dam. 1 H318 / Skin Sens. 1 H317 / Aquatic Acute 1 H400 (M = 1) / Aquatic Chronic 1 H410 (M = 1) Specific concentration limit (SCL): Skin Sens. 1 H317 >= 0,05 Acute toxicity estimate (ATE): ATE (inhalation, dust/mist): 0,50 mg/L	< 0,1
611-341-5 55965-84-9 613-167-00-5	01-2120764691-48 Reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7], and 2-methyl-2H -isothiazol-3-one [ECno. 220-239-6] (3:1) Acute Tox. 3 H301 / Acute Tox. 2 H310 / Acute Tox. 2 H330 / Skin Corr. 1B H314 / Eye Dam. 1 H318 / Skin Sens. 1A H317 / Aquatic Acute 1 H400 (M = 100) / Aquatic Chronic 1 H410 (M = 100) / EUH071 Specific concentration limit (SCL): Skin Corr. 1B H314 >= 0,6 / Skin Irrit. 2 H315 >= 0,06 / Eye Irrit. 2 H319 >= 0,06 / Skin Sens. 1A H317 >= 0,0015 / Eye Dam. 1 H318 >= 0,6 Acute toxicity estimate (ATE): ATE (oral): 64 mg/kg bw / ATE (dermal): 87 mg/kg bw	< 0,1

**Additional information**

Full text of classification: see section 16

**SECTION 4: First aid measures**

**4.1. Description of first aid measures**

**General information**

Call a physician immediately.  
 Take off immediately all contaminated clothing.  
 Show this safety data sheet to the doctor in attendance.  
 Self-protection of the first aider.  
 If unconscious but breathing normally, place in recovery position and seek medical advice.  
 If breathing is irregular or stopped, administer artificial respiration.  
 Remove affected person from the danger area and lay down.  
 Never give anything by mouth to an unconscious person or a person with cramps.

**Following inhalation**

Remove casualty to fresh air and keep warm and at rest. In case of irregular breathing or respiratory arrest provide artificial respiration.  
 Call a physician immediately.  
 If unconscious but breathing normally, place in recovery position and seek medical advice.

**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. Conditions to avoid: UV-radiation/sunlight  
 Call a physician immediately.  
 Wash contaminated clothing before reuse.

**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.  
 Show this safety data sheet to the doctor in attendance.

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**Following ingestion**

Remove casualty to fresh air and keep warm and at rest.  
Seek medical advice immediately.  
Show this safety data sheet to the doctor in attendance.  
Keep victim calm. Do NOT induce vomiting.  
Rinse mouth immediately and drink plenty of water.  
Never give anything by mouth to an unconscious person or a person with cramps.  
If unconscious but breathing normally, place in recovery position and seek medical advice.  
Do not leave affected person unattended.

**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.

**Symptoms**

May irritate eyes.  
May irritate skin.  
May cause sensitization by skin contact.

**Danger**

First aider: Pay attention to self-protection!

**Special treatment**

Treat symptomatically.

**SECTION 5: Firefighting measures**

**5.1. Extinguishing media**

**Suitable extinguishing media**

Co-ordinate fire-fighting measures to the fire surroundings.  
Suitable extinguishing media: Water spray jet, Dry extinguishing powder.

**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. In case of fire may be liberated: Gases/vapours, harmful, carbon dioxide, carbon monoxide.

**5.3. Advice for firefighters**

Wear a self-contained breathing apparatus and chemical protective clothing.  
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.  
Keep people away from and upwind of spill/leak.

**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.  
Wear suitable protective clothing.  
Avoid contact with eyes and skin.  
See protective measures under point 7 and 8.  
Handle in accordance with good industrial hygiene and safety practice.  
Keep people away from and upwind of spill/leak.  
Special danger of slipping by leaking/spilling product.

**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.  
Remove persons to safety.

**6.4. Reference to other sections**

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SECTION 7: Handling and storage  
SECTION 8: Exposure controls/personal protection  
SECTION 13: Disposal considerations

## SECTION 7: Handling and storage

Persons with a history of skin sensitisation problems should not be employed in any process in which this product is used.

### 7.1. Precautions for safe handling

#### Advices on safe handling

Use only in well-ventilated areas. Keep away from heat sources, sparks and open flames. 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.

Wash hands before breaks and after work.

Take off immediately all contaminated clothing.

Take precautionary measures against static discharges.

Contaminated work clothing should not be allowed out of the workplace.

Handle and open container with care.

Handle in accordance with good industrial hygiene and safety practice.

Keep work clothes separately.

Wash contaminated clothing prior to re-use.

Keep away from food, drink and animal feedingstuffs.

Guarantee that the eye flushing systems and safety showers are closely located to the working place.

### 7.2. Conditions for safe storage, including any incompatibilities

#### Requirements for storage rooms and vessels

Keep container tightly closed. Do not empty containers with pressure - no pressure vessel! Smoking is forbidden.

Store carefully closed containers upright to prevent any leaks.

#### Hints on joint storage

Keep away from: Radical former, Oxidizing agent, Peroxides, Reducing agent, Acids, Alkali (lye).

Keep away from food, drink and animal feedingstuffs.

Do not store together with oxidizing and self-igniting products.

#### Further information on storage conditions

Take care of instructions on label. Store in a well-ventilated and dry room at temperatures between 5 °C and 30 °C.

Protect from heat and direct sunlight.

Keep container tightly closed.

Remove all sources of ignition.

Smoking is forbidden.

Store carefully closed containers upright to prevent any leaks.

Keep only in the original container.

Can polymerise exothermically if heated, exposed to air, sunlight or by addition of free radical initiators.

### 7.3. Specific end use(s)

Observe technical data sheet.

Observe instructions for use.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

#### Occupational exposure limit values

triethylamine

Index No. 612-004-00-5 / EC No. 204-469-4 / CAS No. 121-44-8

WEL, TWA: 8 mg/m<sup>3</sup>; 2 ppm

WEL, STEL: 17 mg/m<sup>3</sup>; 4 ppm

Remark: (may be absorbed through the skin)

#### Additional information

TWA : Long-term occupational exposure limit value

STEL : short-term occupational exposure limit value

Ceiling : peak limitation

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**DNEL:**

triethylamine

Index No. 612-004-00-5 / EC No. 204-469-4 / CAS No. 121-44-8

DNEL long-term dermal (systemic), Workers: 12,1 mg/kg

DNEL acute inhalative (local), Workers: 12,6 mg/m<sup>3</sup>

DNEL acute inhalative (systemic), Workers: 12,6 mg/m<sup>3</sup>

DNEL long-term inhalative (local), Workers: 8,4 mg/m<sup>3</sup>

DNEL long-term inhalative (systemic), Workers: 8,4 mg/m<sup>3</sup>

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

Index No. 613-167-00-5 / EC No. 611-341-5 / CAS No. 55965-84-9

DNEL acute inhalative (local), Workers: 0,04 mg/m<sup>3</sup>

DNEL long-term inhalative (local), Workers: 0,02 mg/m<sup>3</sup>

DNEL short-term oral (acute), Consumer: 0,11 mg/kg

DNEL long-term oral (repeated), Consumer: 0,09 mg/kg

DNEL acute inhalative (local), Consumer: 0,04 mg/m<sup>3</sup>

DNEL long-term inhalative (local), Consumer: 0,02 mg/m<sup>3</sup>

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

Index No. 613-088-00-6 / EC No. 220-120-9 / CAS No. 2634-33-5

DNEL long-term dermal (systemic), Workers: 0,966 mg/kg bw/day

DNEL long-term inhalative (systemic), Workers: 6,81 mg/m<sup>3</sup>

DNEL long-term dermal (systemic), Consumer: 0,345 mg/kg bw/day

DNEL long-term inhalative (systemic), Consumer: 1,2 mg/m<sup>3</sup>

4-morpholinecarbaldehyde

EC No. 224-518-3 / CAS No. 4394-85-8

DNEL long-term inhalative (systemic), Workers: 98 mg/m<sup>3</sup>

DNEL long-term oral (repeated), Consumer: 8 mg/kg

DNEL long-term dermal (systemic), Consumer: 8 mg/kg

DNEL long-term inhalative (systemic), Consumer: 29 mg/m<sup>3</sup>

**PNEC:**

triethylamine

Index No. 612-004-00-5 / EC No. 204-469-4 / CAS No. 121-44-8

PNEC aquatic, freshwater: 0,11 mg/L

PNEC aquatic, marine water: 0,011 mg/L

PNEC aquatic, intermittent release: 0,08 mg/L

PNEC sediment, freshwater: 1,575 mg/kg

PNEC sediment, marine water: 0,158 mg/kg

PNEC, soil: 0,25 mg/kg

PNEC sewage treatment plant (STP): 100 mg/L

PNEC Secondary Poisoning: 5,6 mg/kg

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

Index No. 613-167-00-5 / EC No. 611-341-5 / CAS No. 55965-84-9

PNEC aquatic, freshwater: 0,0034 mg/L

PNEC aquatic, marine water: 0,0034 mg/L

PNEC aquatic, intermittent release: 0,0034 mg/L

PNEC sediment, freshwater: 0,027 mg/kg

PNEC sediment, marine water: 0,027 mg/kg

PNEC sewage treatment plant (STP): 0,23 mg/L

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

Index No. 613-088-00-6 / EC No. 220-120-9 / CAS No. 2634-33-5

PNEC aquatic, freshwater: 0,004 mg/L

PNEC aquatic, marine water: 0,0004 mg/L

PNEC aquatic, intermittent release: 0,0011 mg/L

PNEC sediment, freshwater: 0,0499 mg/kg

PNEC sediment, marine water: 0,0049 mg/kg

PNEC, soil: 3 mg/kg

PNEC sewage treatment plant (STP): 1,03 mg/L

4-morpholinecarbaldehyde

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EC No. 224-518-3 / CAS No. 4394-85-8  
PNEC aquatic, freshwater: 0,5 mg/L  
PNEC aquatic, marine water: 0,05 mg/L  
PNEC aquatic, intermittent release: 5 mg/L  
PNEC sediment, freshwater: 1,85 mg/kg  
PNEC sediment, marine water: 0,0764 mg/kg  
PNEC sewage treatment plant (STP): 2000 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 the pollutant concentration is beyond the occupational exposure limit values, approved and suitable respiratory protection must be used.

Use only respiratory protection equipment with CE-symbol including four digit test number. respirator with A/P-filter (EN 14387)

**Hand protection**

For prolonged or repeated handling the following glove material must be used: Chemical proof safety gloves

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 eye glasses with side protection according to EN 166.

**Body protection**

Wear suitable protective clothing.

**Protective measures**

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

Take off immediately all contaminated clothing.

Wash contaminated clothing prior to re-use.

When using do not eat, drink or smoke.

Handle in accordance with good industrial hygiene and safety practice.

Keep away from food, drink and animal feedingstuffs.

Guarantee that the eye flushing systems and safety showers are closely located to the working place.

Do not breathe vapour/aerosol.

Avoid contact with eyes and skin.

Do not allow food at the workplace.

**Environmental exposure controls**

Do not allow to enter into surface water or drains.

Discharge into the environment must be avoided.

If the product contaminates lakes, rivers or sewages, inform competent authorities in accordance with local regulations.

See section 7. No additional measures necessary.

**SECTION 9: Physical and chemical properties**

**9.1. Information on basic physical and chemical properties**

<b>Physical state:</b>	<b>Liquid</b>
<b>Colour:</b>	<b>colourless</b>
<b>Odour:</b>	<b>characteristic</b>
<b>Odour threshold:</b>	<b>not determined</b>
<b>Melting point/freezing point:</b>	<b>not applicable</b>
<b>Initial boiling point and boiling range:</b>	<b>100 °C</b> Source: Water
<b>Flammability:</b>	<b>not applicable</b>
<b>Lower and upper explosion limit:</b>	

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**Lower explosion limit:** not determined  
**Upper explosion limit:** not determined  
**Flash point:** > 60 °C  
Method: ASTM D 7094a  
**Auto-ignition temperature:** not determined  
**Decomposition temperature:** not determined

**pH at 20 °C:** 7 - 8 / 100,0 weight-%  
**Cinematic viscosity (40°C):** < 135 mm<sup>2</sup>/s

**Viscosity at °C:** 25-30 s 4mm  
**Solubility(ies):**  
**Water solubility at 20 °C:** easily soluble  
**Partition coefficient: n-octanol/water:** see section 12  
**Vapour pressure at 20 °C:** 23 mbar  
Source: Water

**Density and/or relative density:**  
**Density at 20 °C:** 1,04 g/cm<sup>3</sup>  
**Relative vapour density:** not determined  
**particle characteristics:** not applicable

9.2. **Other information**

**Solid content:** 26,85 weight-%  
**solvent content:**  
**Organic solvents:** 0,44 weight-%  
**Water:** 72,69 weight-%

**SECTION 10: Stability and reactivity**

10.1. **Reactivity**

No dangerous reaction known under conditions of normal use.

10.2. **Chemical stability**

The product is stable under storage at normal ambient temperatures.  
Further remarks: SECTION 7: Handling and storage

10.3. **Possibility of hazardous reactions**

No hazardous reaction when handled and stored according to provisions.

10.4. **Conditions to avoid**

This preparation contains material instable under the following conditions: Heat, strong ultraviolet radiation. An exotherm polymerization of the product may thereby be caused. Avoid unintended contact with it. Hazardous decomposition byproducts may form with exposure to high temperatures.  
Protect from frost.

10.5. **Incompatible materials**

Radical former, Oxidizing agent, Peroxides, Reducing agent, Acids, Alkali (lye)

10.6. **Hazardous decomposition products**

Hazardous decomposition byproducts may form with exposure to high temperatures, e.g.: carbon dioxide, carbon monoxide, smoke, Gases/vapours, harmful.

**SECTION 11: Toxicological information**

11.1. **Information on hazard classes as defined in Regulation (EC) No 1272/2008**

**Acute toxicity**

triethylamine

oral, LD50, Rat: 730 mg/kg

dermal, LD50, Rabbit: 580 mg/kg

Method: OECD 402

inhalative (vapours), LC50, Rat: 7,1 mg/L (4 h)

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

oral, LD50, Rat: 64 mg/kg  
Method: OECD 401  
dermal, LD50, Rat: 141 mg/kg  
dermal, LD50, Rabbit: 87,12 mg/kg  
inhalative (dust and mist), LC50, Rat: 0,33 mg/L (4 h)

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

oral, LD50, Rat: 490 - 670 mg/kg  
Method: OECD 401  
dermal, LD50, Rat: > 2000 mg/kg  
Method: OECD 402  
inhalative (dust and mist), LC50, Rat: 0,5 mg/L (4 h)

4-morpholinecarbaldehyde

oral, LD50, Rat: > 7360 mg/kg  
dermal, LD50, Rabbit: > 18300 mg/kg

**Skin corrosion/irritation; Serious eye damage/eye irritation**

triethylamine

Skin, Rabbit  
Method: OECD 404  
corrosive  
eyes, Rabbit  
Method: OECD 405  
Causes serious eye damage..

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

Skin, Rabbit  
Method: OECD 404  
Causes burns.  
eyes, Rabbit  
Risk of serious damage to eyes.

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

Skin, Rabbit (4 h)  
Irritating to skin.  
eyes, Rabbit  
Risk of serious damage to eyes.

**Respiratory or skin sensitisation**

May cause an allergic skin reaction.

triethylamine

Skin, Guinea pig:  
not sensitising.

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

Skin, Guinea pig:  
Method: OECD 406  
Sensitising

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

Skin, Guinea pig:  
Method: Regulation (EC) No. 440/2008, Annex B.6 (Maximisation test)  
sensitising

**CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)**

triethylamine

Germ cell mutagenicity  
Ames test negative.

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

Germ cell mutagenicity



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Ames test negative.

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

Germ cell mutagenicity

Ames test negative.

**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**

The fractions of acrylic resin in the preparation have an irritant effect. Prolonged or repeated contact with the preparation can lead to irritations of mucous membranes and of skin such as redness, formation of blebs, dermatitis, etc.. Cases of allergic skin reactions have been observed. Liquid splashes can lead to irritations of the eyes. Inhaling of droplets in the air or aerosols may lead to irritations of the respiratory tract. Ingestion may cause nausea, weakness and affect the central nervous system.

**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.

**11.2. Information on other hazards**

**Endocrine disrupting properties**

No information available.

**SECTION 12: Ecological information**

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

There is no information available on the preparation itself.

Do not allow to enter into surface water or drains.

**12.1. Toxicity**

triethylamine

Daphnia toxicity, EC50, Daphnia magna: 200 mg/L (48 h)

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

Algae toxicity, ErC50, Pseudokirchneriella subcapitata: 0,15 mg/L (72 h)

4-morpholinecarbaldehyde

Fish toxicity, LC50, Leuciscus idus (golden orfe): > 500 mg/L (96 h)

Daphnia toxicity, EC50, Daphnia magna: > 500 mg/L (48 h)

Algae toxicity, ErC50, Scenedesmus subspicatus: 23880 mg/L (72 h)

**Long-term Ecotoxicity**

Toxicological data are not available.

**12.2. Persistence and degradability**

triethylamine

Biodegradation: 80 % (21 d)

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

Biodegradation: 25 % (28 d)

Method: OECD 301B

**12.3. Bioaccumulative potential**

4-morpholinecarbaldehyde

Partition coefficient: n-octanol/water: -1,2

**Bioconcentration factor (BCF)**

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

Bioconcentration factor (BCF): 3,16

**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. Endocrine disrupting properties**

No information available.

**Safety Data Sheet**  
according to Regulation (EC) No. 1907/2006 (REACH)  
according to Regulation (EU) 2020/878



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- 12.7. **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**

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.**

- 14.1. **UN number or ID 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. **Maritime transport in bulk according to IMO instruments**  
No transport as bulk according IBC - Code.

### SECTION 15: Regulatory information

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

**EU legislation**

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

VOC-value (in g/L): 4,725

**National regulations**

**Restrictions of occupation**

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

15.2. **Chemical Safety Assessment**

Chemical safety assessments for substances in this mixture were not carried out.

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**SECTION 16: Other information**

**Full text of classification in section 3:**

Flam. Liq. 2 / H225	Flammable liquids	Highly flammable liquid and vapour.
Acute Tox. 4 / H302	Acute toxicity (oral)	Harmful if swallowed.
Acute Tox. 3 / H311	Acute toxicity (dermal)	Toxic in contact with skin.
Acute Tox. 3 / H331	Acute toxicity (inhalative)	Toxic if inhaled.
Skin Corr. 1A / H314	Skin corrosion/irritation	Causes severe skin burns and eye damage.
Eye Dam. 1 / H318	Serious eye damage/eye irritation	Causes serious eye damage.
STOT SE 3 / H335	STOT-single exposure	May cause respiratory irritation.
Skin Sens. 1B / H317	Respiratory or skin sensitisation	May cause an allergic skin reaction.
Acute Tox. 2 / H330	Acute toxicity (inhalative)	Fatal if inhaled.
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 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.
Acute Tox. 3 / H301	Acute toxicity (oral)	Toxic if swallowed.
Acute Tox. 2 / H310	Acute toxicity (dermal)	Fatal in contact with skin.
Skin Corr. 1B / 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.

**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

**Safety Data Sheet**  
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and regulations. The details in this safety data sheet describe the safety requirements of our product and are not to be regarded as guaranteed attributes of the product.