

SAFETY DATA SHEET

SÜDWEST HausFarbe

Ref.	130000006480/D
Rev. no.	2.2
Revision Date	20.07.2026
Print Date	26.07.2026

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier

Trade name	SÜDWEST HausFarbe
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Unique Formula Identifier (UFI)	CXA7-407G-100R-ACVS
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1.2 Relevant identified uses of the substance or mixture and uses advised against

Facade paint

Uses advised against	This information is not available.
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1.3 Details of the supplier of the safety data sheet

SÜDWEST Lacke + Farben GmbH & Co.KG
Iggelheimer Str. 13
D - 67459 Böhl-Iggelheim
Telephone: +49 6324/709-0
info@suedwest.de
www.suedwest.de

E-mail address of person responsible for the SDS European Union	sdb@suedwest.de
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1.4 Emergency telephone number European Union

Phone: +44 (0) 1865 407333

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

Classification (REGULATION (EC) No 1272/2008)

Skin sensitisation, Category 1	H317: May cause an allergic skin reaction.
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2.2 Label elements

Labelling (REGULATION (EC) No 1272/2008)

Hazard pictograms



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Signal word	:	Warning
Hazard statements	:	H317 May cause an allergic skin reaction.
Precautionary statements	:	Prevention: P261 Avoid breathing vapours. P273 Avoid release to the environment. P280 Wear protective gloves. Response: P333 + P313 If skin irritation or rash occurs: Get medical advice/attention. P362 + P364 Take off contaminated clothing and wash it before reuse. Disposal: P501 Contents/container to be disposed of through approved disposal contractor or taken to municipal collection point.

Hazardous components which must be listed on the label:

2-methyl-2H-isothiazol-3-one

Regulation concerning biocidal products (528/2012):

Contains 2-octyl-2H-isothiazol-3-one
, 4,5-dichloro-2-octyl-2H-isothiazol-3-one, 3-iodo-2-propynyl
butylcarbamate. As active agents for coating protection in
accordance with Biocidal Product Regulation (528/2012), Article
58(3)

Contains 1,2-benzisothiazol-3(2H)-one
, 2-methyl-2H-isothiazol-3-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). As active agents for storage protection
in accordance with Biocidal Product Regulation (528/2012), Article
58(3)

2.3 Other hazards

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

Ecological information: The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

Toxicological information: The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS**3.2 Mixtures****Components**

Chemical name	CAS-No. EC-No. Index-No. Registration number	Classification	Concentration (% w/w)
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Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, <2% aromatics	64742-48-9 649-327-00-6 01-2119457273-39-XXXX	Asp. Tox. 1; H304 EUH066, Note P	≥ 1 - < 2,5
1,2-benzisothiazol-3(2H)-one	2634-33-5 220-120-9 613-088-00-6 01-2120761540-60-XXXX	Acute Tox. 4; H302 Acute Tox. 2; H330 Eye Dam. 1; H318 Skin Irrit. 2; H315 Skin Sens. 1A; H317 Aquatic Acute 1; H400 Aquatic Chronic 1; H410 M-Factor (Acute aquatic toxicity): 1 M-Factor (Chronic aquatic toxicity): 1 specific concentration limit Skin Sens. 1A ≥ 0,036 % Acute toxicity estimate Acute oral toxicity: 450 mg/kg Acute inhalation toxicity: 0,21 mg/l	≥ 0,0025 - < 0,025
2-methyl-2H-isothiazol-3-one	2682-20-4 220-239-6 01-2120764690-50-XXXX	Acute Tox. 3; H301 Acute Tox. 3; H311 Acute Tox. 2; H330 Skin Corr. 1B; H314 Eye Dam. 1; H318 Skin Sens. 1A; H317 Aquatic Acute 1; H400 Aquatic Chronic 1; H410 EUH071 M-Factor (Acute aquatic toxicity): 10 M-Factor (Chronic aquatic toxicity): 1 specific concentration limit Skin Sens. 1A ≥ 0,0015 %	≥ 0,0025 - < 0,025
2-octyl-2H-isothiazol-3-one	26530-20-1 247-761-7 613-112-00-5	Acute Tox. 2; H330 Acute Tox. 3; H311 Acute Tox. 3; H301 Skin Corr. 1; H314 Eye Dam. 1; H318 Skin Sens. 1A; H317 Aquatic Acute 1; H400 Aquatic Chronic 1; H410	≥ 0,0025 - < 0,025

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		M-Factor (Acute aquatic toxicity): 100 M-Factor (Chronic aquatic toxicity): 100 specific concentration limit Skin Sens. 1A ≥ 0,0015 % Acute toxicity estimate Acute oral toxicity: 125 mg/kg Acute inhalation toxicity: 0,27 mg/l Acute dermal toxicity: 311 mg/kg	
4,5-dichloro-2-octyl-2H-isothiazol-3-one	64359-81-5 264-843-8	Acute Tox. 2; H330 Acute Tox. 4; H302 Skin Corr. 1; H314 Eye Dam. 1; H318 Skin Sens. 1A; H317 Aquatic Acute 1; H400 Aquatic Chronic 1; H410 M-Factor (Acute aquatic toxicity): 100 M-Factor (Chronic aquatic toxicity): 100 specific concentration limit Skin Irrit. 2 0,025 - < 5 % Eye Irrit. 2 0,025 - < 3 % Skin Sens. 1A ≥ 0,0015 % Acute toxicity estimate Acute oral toxicity: 567 mg/kg Acute inhalation toxicity: 0,16 mg/l	≥ 0,0025 - < 0,025
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)	55965-84-9 613-167-00-5 01-2120764691-48-XXXX	Acute Tox. 2; H330 Acute Tox. 2; H310 Acute Tox. 3; H301 Skin Corr. 1C; H314 Skin Sens. 1A; H317 Aquatic Acute 1; H400 Aquatic Chronic 1; H410 Eye Dam. 1; H318 EUH071	≥ 0,0002 - < 0,0015

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		M-Factor (Acute aquatic toxicity): 100 M-Factor (Chronic aquatic toxicity): 100 specific concentration limit Skin Corr. 1C ≥ 0,6 % Skin Irrit. 2 0,06 - < 0,6 % Eye Irrit. 2 0,06 - < 0,6 % Skin Sens. 1A ≥ 0,0015 % Eye Dam. 1 ≥ 0,6 %	
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For explanation of abbreviations see section 16.

SECTION 4: FIRST AID MEASURES**4.1 Description of first aid measures**

General advice	In the case of accident or if you feel unwell, seek medical advice immediately (show the label where possible). Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and seek medical advice.
Inhalation	Remove to fresh air. Keep patient warm and at rest. If breathing is irregular or stopped, administer artificial respiration. If symptoms persist, call a physician.
Skin contact	Take off all contaminated clothing immediately. Wash skin thoroughly with soap and water or use recognized skin cleanser. Do NOT use solvents or thinners. If skin irritation persists, call a physician.
Eye contact	In case of eye contact, remove contact lens and rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Seek medical advice.
Ingestion	Clean mouth with water and drink afterwards plenty of water. Do NOT induce vomiting. Obtain medical attention. Keep at rest.

4.2 Most important symptoms and effects, both acute and delayed

Symptoms No information available.

4.3 Indication of any immediate medical attention and special treatment needed

Treatment	Treat symptomatically. No information available.
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SECTION 5: FIREFIGHTING MEASURES**5.1 Extinguishing media**

Suitable extinguishing media	Alcohol-resistant foam Carbon dioxide (CO ₂)
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Unsuitable extinguishing media	Dry chemical Water spray High volume water jet
5.2 Special hazards arising from the substance or mixture	Fire may cause evolution of: Carbon monoxide Carbon dioxide (CO ₂) Nitrogen oxides (NO _x) Exposure to decomposition products may be a hazard to health. Wear self-contained breathing apparatus for firefighting if necessary.
5.3 Advice for firefighters	Use water spray to cool unopened containers. Collect contaminated fire extinguishing water separately. This must not be discharged into drains.
Additional advice	Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures	Ensure adequate ventilation. Do not breathe fumes / aerosol
6.2 Environmental precautions	The product should not be allowed to enter drains, water courses or the soil. If the product contaminates rivers and lakes or drains inform respective authorities.
6.3 Methods and material for containment and cleaning up	Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13). Clean with detergents. Avoid solvents. Clean contaminated surface thoroughly. Dispose of contaminated material as waste according to item 13. Refer to protective measures listed in sections 7 and 8.
6.4 Reference to other sections	

SECTION 7: HANDLING AND STORAGE**7.1 Precautions for safe handling**

Advice on safe handling	Avoid contact with skin and eyes. Prevent unauthorized access. Provide sufficient air exchange and/or exhaust in work rooms. Comply with the statutory regulations on health and safety at work.
Hygiene measures	Wash hands before breaks and at the end of workday. When using do not eat, drink or smoke. Remove and wash contaminated clothing and gloves, including the inside, before re-use.

7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage areas and containers	Containers which are opened must be carefully resealed and kept upright to prevent leakage. Store in original container. Observe label precautions.
Advice on common storage	Protect from frost, heat and sunlight. Keep away from oxidizing agents and strongly acid or alkaline materials.

7.3 Specific end use(s)	For further information, see also Technical Data Sheet for the product.
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Contains no substances with occupational exposure limit values.

The lists that were valid during the creation were used as basis.

Monitoring procedures for the assessment of workplace exposure: standard EN 482

8.2 Exposure controls**Engineering measures**

Provide adequate ventilation.

Personal protective equipment

Eye/face protection : Wear protective goggles for protection against splashed liquid.

Safety glasses with side-shields conforming to EN166

Hand protection

Material : Nitrile rubber

Break through time : 480 min

Glove thickness : 0,11 mm

Remarks : Recommended preventive skin protection Before starting work, apply water-resistant skincare preparations to exposed skin areas. Protective gloves should be worn in case of skin contact during preparation and application.

Gloves made of nitrile rubber, e.g. KCL 740 Dermatril® (Kächele-Cama-Latex GmbH, Hotline: 0049(0)6659-87-300, kcl-uk@kcl.de), or equivalent. Cotton undergloves are recommendable when wearing protective gloves! Skin that comes into contact with the product should be treated with protective cream. After such contact, the product concerned should under no circumstances be used.

The selected protective gloves have to satisfy the specifications of Regulation (EU) 2016/425 and the standard EN 374 derived from it. The choice of an appropriate glove does not only depend on its material but also on other quality features and is different from one producer to the other.

Skin and body protection : Use protective skin cream before handling the product.

Long sleeved clothing

Skin should be washed after contact.

Do NOT use solvents or thinners.

Respiratory protection : No personal respiratory protective equipment normally required.

In case of insufficient ventilation, wear suitable respiratory equipment.

With spray application:

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Filter P2

Respiratory protection complying with EN 143.

Environmental exposure controls

Air	:	Avoid release to the environment.
Soil	:	Avoid subsoil penetration.
Water	:	Do not flush into surface water or sanitary sewer system. If the product contaminates rivers and lakes or drains inform respective authorities.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**9.1 Information on basic physical and chemical properties**

Physical state	:	liquid
Colour	:	white
Odour	:	Weak, characteristic
Odour Threshold	:	No data available
Melting point/freezing point	:	< 0 °C
Initial boiling point and boiling range	:	No data available
Upper explosion limit / Upper flammability limit	:	No data available
Lower explosion limit / Lower flammability limit	:	No data available
Flash point	:	> 100 °C
Decomposition temperature	:	No data available

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pH	:	ca. 7 - 8 (20 °C) Concentration: 100 %
Viscosity Viscosity, dynamic	:	ca. 2.400 - 3.000 mPa.s (20 °C)
Flow time	:	No data available
Solubility(ies) Water solubility	:	completely miscible
Partition coefficient: n- octanol/water	:	not determined
Vapour pressure	:	No data available
Density	:	ca. 1,32 - 1,42 g/cm ³ (20 °C)
Relative vapour density	:	No data available

9.2 Other information

Explosives	:	Not explosive
Oxidizing properties	:	Not applicable
Flammability (liquids)	:	Not applicable
Self-ignition	:	not auto-flammable
Evaporation rate	:	not applicable

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity

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No dangerous reaction known under conditions of normal use.

10.2 Chemical stability

Stable under normal conditions.

10.3 Possibility of hazardous reactions

Hazardous reactions This information is not available.

10.4 Conditions to avoid

Conditions to avoid Stable under recommended storage and handling conditions (see section 7).

10.5 Incompatible materials

Materials to avoid Strong acids and strong bases
Strong oxidizing agents

10.6 Hazardous decomposition products

No decomposition if stored and applied as directed.

SECTION 11: TOXICOLOGICAL INFORMATION

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

Acute toxicity

Product:

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

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

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

Components:

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

Acute oral toxicity Acute toxicity estimate: 450 mg/kg
Method: Expert judgement

Acute inhalation toxicity Acute toxicity estimate: 0,21 mg/l
Exposure time: 4 h
Test atmosphere: dust/mist
Method: Expert judgement

2-methyl-2H-isothiazol-3-one:

Acute oral toxicity Toxic if swallowed.

Acute inhalation toxicity Assessment: Corrosive to the respiratory tract.
Toxic if inhaled.

Acute dermal toxicity Toxic in contact with skin.

2-octyl-2H-isothiazol-3-one:

Acute oral toxicity Acute toxicity estimate: 125 mg/kg
Method: Acute toxicity estimate according to Regulation (EC) No. 1272/2008

Acute inhalation toxicity Acute toxicity estimate: 0,27 mg/l
Exposure time: 4 h
Test atmosphere: dust/mist
Method: Acute toxicity estimate according to Regulation (EC) No. 1272/2008

Acute dermal toxicity Acute toxicity estimate: 311 mg/kg

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Method: Acute toxicity estimate according to Regulation (EC) No.
1272/2008

4,5-dichloro-2-octyl-2H-isothiazol-3-one:

Acute oral toxicity

Acute toxicity estimate: 567 mg/kg

Method: Acute toxicity estimate according to Regulation (EC) No.
1272/2008

Acute inhalation toxicity

Acute toxicity estimate: 0,16 mg/l

Test atmosphere: dust/mist

Method: Acute toxicity estimate according to Regulation (EC) No.
1272/2008

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 oral toxicity

Toxic if swallowed.

Acute inhalation toxicity

Assessment: Corrosive to the respiratory tract.

Fatal if inhaled.

Acute dermal toxicity

Fatal in contact with skin.

Skin corrosion/irritation**Product:**

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

Components:

Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, <2% aromatics:

Repeated exposure may cause skin dryness or cracking.

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

Causes skin irritation.

2-methyl-2H-isothiazol-3-one:

Causes severe skin burns and eye damage.

2-octyl-2H-isothiazol-3-one:

Causes severe skin burns and eye damage.

4,5-dichloro-2-octyl-2H-isothiazol-3-one:

Causes severe skin burns and 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[EC no.220-239-6] (3:1):

Causes severe skin burns and eye damage.

Serious eye damage/eye irritation**Product:**

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

Components:**1,2-benzisothiazol-3(2H)-one:**

Causes serious eye damage.

2-methyl-2H-isothiazol-3-one:

Causes serious eye damage.

2-octyl-2H-isothiazol-3-one:

Causes serious eye damage.

4,5-dichloro-2-octyl-2H-isothiazol-3-one:

Causes serious eye damage.

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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[EC no.220-239-6] (3:1):

Causes serious eye damage.

Respiratory or skin sensitisation

Product:

May cause an allergic skin reaction.
Does not cause respiratory sensitisation.

Components:

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

May cause an allergic skin reaction.

2-methyl-2H-isothiazol-3-one:

May cause an allergic skin reaction.

2-octyl-2H-isothiazol-3-one:

May cause an allergic skin reaction.

4,5-dichloro-2-octyl-2H-isothiazol-3-one:

Species

Guinea pig

Method

OECD Test Guideline 406

May cause an allergic skin reaction.

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):

May cause an allergic skin reaction.

Germ cell mutagenicity

Product:

Genotoxicity in vitro

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

Carcinogenicity

Product:

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

Reproductive toxicity

Product:

Effects on fertility

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

Developmental Toxicity

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

STOT - single exposure

Product:

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

STOT - repeated exposure

Product:

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

Aspiration toxicity

Product:

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

Components:

Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, <2% aromatics:

May be fatal if swallowed and enters airways.

Further information

Product:

The product itself has not been tested. The mixture is classified in accordance with Annex I to EC Directive 1272/2008. (See sections 2 and 3 for details).

SÜDWEST HausFarbe**11.2 Information on other hazards****Endocrine disrupting properties****Product:**

Assessment : The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

Further information**Product:**

Remarks : The product itself has not been tested. The mixture is classified in accordance with Annex I to EC Directive 1272/2008. (See sections 2 and 3 for details).

SECTION 12: ECOLOGICAL INFORMATION**12.1 Toxicity****Product:**

Toxicity to fish No data available

Toxicity to algae/aquatic plants Based on available data, the classification criteria are not met. The toxicological data has been taken from products of similar composition.

Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) Based on available data, the classification criteria are not met. The toxicological data has been taken from products of similar composition.

Toxicity to microorganisms
No data available

Components:**1,2-benzisothiazol-3(2H)-one:**

Toxicity to fish LC50 (Oncorhynchus mykiss (rainbow trout)): 2,2 mg/l
Exposure time: 96 h
Method: OECD Test Guideline 203

Toxicity to daphnia and other aquatic invertebrates EC50 (Daphnia (water flea)): 3,27 mg/l
Exposure time: 48 h
Method: OECD Test Guideline 202

Toxicity to algae/aquatic plants EC50 (Selenastrum capricornutum (green algae)): 0,11 mg/l
Exposure time: 72 h
Method: OECD Test Guideline 201

NOEC (Selenastrum capricornutum (green algae)): 0,04 mg/l
Exposure time: 72 h
Method: OECD Test Guideline 201

M-Factor (Acute aquatic toxicity) 1

Toxicity to fish (Chronic toxicity) NOEC: 0,21 mg/l
Exposure time: 28 d
Species: Oncorhynchus mykiss (rainbow trout)
Method: OECD Test Guideline 215

Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) NOEC: 1,2 mg/l
Exposure time: 21 d
Species: Daphnia (water flea)
Method: OECD Test Guideline 211

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M-Factor (Chronic aquatic toxicity)	1
2-methyl-2H-isothiazol-3-one:	
Toxicity to fish	LC50 (Fish): 4,77 mg/l Exposure time: 96 h Test Type: flow-through test Method: OECD Test Guideline 203
Toxicity to daphnia and other aquatic invertebrates	LC50 (Daphnia magna (Water flea)): 0,934 mg/l Exposure time: 48 h Method: OECD Test Guideline 202
Toxicity to algae/aquatic plants	NOEC (Pseudokirchneriella subcapitata (algae)): 0,05 mg/l Exposure time: 120 h Test Type: static test EC50 (Pseudokirchneriella subcapitata (algae)): 0,138 mg/l Exposure time: 120 h Test Type: static test
M-Factor (Acute aquatic toxicity)	10
Toxicity to microorganisms	EC50 (activated sludge): 41 mg/l Exposure time: 3 h Method: OECD Test Guideline 209
Toxicity to fish (Chronic toxicity)	NOEC: 2,38 mg/l Exposure time: 98 d Species: Oncorhynchus mykiss (rainbow trout) Method: OECD Test Guideline 210
Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity)	NOEC: 0,044 mg/l Exposure time: 21 d Species: Daphnia magna (Water flea) Method: OECD Test Guideline 211
M-Factor (Chronic aquatic toxicity)	1
2-octyl-2H-isothiazol-3-one:	
Toxicity to fish	LC50 (Oncorhynchus mykiss (rainbow trout)): 0,05 mg/l Exposure time: 96 h
Toxicity to daphnia and other aquatic invertebrates	EC50 (Daphnia magna (Water flea)): 0,42 mg/l Exposure time: 48 h
M-Factor (Acute aquatic toxicity)	100
Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity)	NOEC: 0,058 mg/l Exposure time: 21 d Species: Daphnia magna (Water flea)
M-Factor (Chronic aquatic toxicity)	100
4,5-dichloro-2-octyl-2H-isothiazol-3-one:	
Toxicity to fish	LC50 (Oncorhynchus mykiss (rainbow trout)): 0,0078 mg/l Exposure time: 96 h Method: OECD Test Guideline 203
Toxicity to daphnia and other aquatic invertebrates	EC50 (Daphnia (water flea)): 0,0097 mg/l Exposure time: 48 h Test Type: static test Method: OECD Test Guideline 202
Toxicity to algae/aquatic plants	EC50 (Desmodesmus subspicatus (green algae)): 0,025 mg/l

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Exposure time: 72 h
Method: OECD Test Guideline 201

NOEC (*Scenedesmus quadricauda* (Green algae)): 0,015 mg/l
Exposure time: 72 h
Method: OECD Test Guideline 201

M-Factor (Acute aquatic toxicity) 100

Toxicity to fish (Chronic toxicity) NOEC: 0,00047 mg/l
Exposure time: 28 d
Species: *Danio rerio* (zebra fish)
Method: OECD Test Guideline 210

Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) NOEC: 0,0004 mg/l
Exposure time: 21 d
Species: *Daphnia* (water flea)
Method: OECD Test Guideline 211

M-Factor (Chronic aquatic toxicity) 100

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):

Toxicity to fish LC50 (*Oncorhynchus mykiss* (rainbow trout)): 0,19 mg/l
Exposure time: 96 h

Toxicity to daphnia and other aquatic invertebrates EC50 (*Daphnia* (water flea)): 0,12 mg/l
Exposure time: 48 h

Toxicity to algae/aquatic plants EC50 (*Skeletonema costatum* (marine diatom)): 0,0052 mg/l
Exposure time: 48 h

NOEC (*Skeletonema costatum* (marine diatom)): 0,00049 mg/l
Exposure time: 48 h

M-Factor (Acute aquatic toxicity) 100

Toxicity to fish (Chronic toxicity) NOEC: 0,098 mg/l
Exposure time: 28 d
Species: *Oncorhynchus mykiss* (rainbow trout)
Method: OECD Test Guideline 210

Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) NOEC: 0,004 mg/l
Exposure time: 21 d
Species: *Daphnia* (water flea)

M-Factor (Chronic aquatic toxicity) 100

12.2 Persistence and degradability

Product:

Biodegradability No data available

Components:

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

Biodegradability not rapidly degradable

2-methyl-2H-isothiazol-3-one:

Biodegradability Readily biodegradable.

2-octyl-2H-isothiazol-3-one:

Biodegradability Not readily biodegradable.

4,5-dichloro-2-octyl-2H-isothiazol-3-one:

Biodegradability rapidly degradable

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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[EC no.220-239-6] (3:1):

Biodegradability not rapidly degradable

12.3 Bioaccumulative potential**Product:**

Bioaccumulation No data available

Components:**1,2-benzisothiazol-3(2H)-one:**

Partition coefficient: n-octanol/water log Pow: 0,7
Method: OECD Test Guideline 117

2-methyl-2H-isothiazol-3-one:

Bioaccumulation Bioconcentration factor (BCF): 3,16

4,5-dichloro-2-octyl-2H-isothiazol-3-one:

Bioaccumulation Bioconcentration factor (BCF): 13

Partition coefficient: n-octanol/water log Pow: 4,4

12.4 Mobility in soil**Product:**

Mobility No data available

12.5 Results of PBT and vPvB assessment**Product:**

Assessment This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher..

12.6 Endocrine disrupting properties**Product:**

Assessment : The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

12.7 Other adverse effects**Product:**

Additional ecological information Do not allow product to enter into ground water, bodies of water or sewage systems.

SECTION 13: DISPOSAL CONSIDERATIONS**13.1 Waste treatment methods**

Product The user is responsible for proper coding and marking of any waste. Dispose of as special waste in compliance with local and national regulations.
Contaminated packaging Partial and residual quantities can be reused. Packaging that is not properly emptied must be disposed of as the unused product.
Waste key for the unused product Empty packaging should be recycled through disposal systems.
08 01 12 Waste paint and varnish other than those covered by 08 01 11

SECTION 14: TRANSPORT INFORMATION

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14.1 UN number or ID number

Not regulated as a dangerous good

14.2 UN proper shipping name

Not regulated as a dangerous good

14.3 Transport hazard class(es)

Not regulated as a dangerous good

14.4 Packing group

Not regulated as a dangerous good

14.5 Environmental hazards**14.6 Special precautions for user**

Remarks

This information is not available.

14.7 Maritime transport in bulk according to IMO instruments

Remarks

Not applicable

SECTION 15: REGULATORY INFORMATION**15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**

VOC

Directive 2010/75/EU

1,1 %

VOC

Directive 2004/42/EC

2,1 %

28,5 g/l

EU limit value for this product (cat. A/c) :40 g/lThis product contains
max40 g/lVOC.Regulation (EU) No 649/2012 of
the European Parliament and the
Council concerning the export and
import of dangerous chemicals

Not applicable

REACH - Restrictions on the
manufacture, placing on the
market and use of certain
dangerous substances, mixtures
and articles (Annex XVII)Conditions of restriction for the following entries should be considered:
(78, 75, 3)1,2-benzisothiazol-3(2H)-one
2-methyl-2H-isothiazol-3-one
2-octyl-2H-isothiazol-3-one
4,5-dichloro-2-octyl-2H-isothiazol-3-one

Other regulations

Take note of Dir 94/33/EC on the protection of young people at work.
Take note of Dir 92/85/EEC on the safety and health at work of pregnant
workers.

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15.2 Chemical safety assessment

This information is not available.

SECTION 16: OTHER INFORMATION

Changes from the previous version are indicated by markings in the left-hand margin. The information in this Safety Data Sheet corresponds to our present state of knowledge and conforms to both national and EU legislation. The user's working conditions are, however, beyond our knowledge and control. The user is responsible for complying with all necessary legal requirements. The information in this Safety Data Sheet describes the safety requirements of our product and does not constitute any assurance of product properties.

Full text of H-Statements

H301	: Toxic if swallowed.
H302	: Harmful if swallowed.
H304	: May be fatal if swallowed and enters airways.
H310	: Fatal in contact with skin.
H311	: Toxic in contact with skin.
H314	: Causes severe skin burns and eye damage.
H315	: Causes skin irritation.
H317	: May cause an allergic skin reaction.
H318	: Causes serious eye damage.
H330	: Fatal if inhaled.
H400	: Very toxic to aquatic life.
H410	: Very toxic to aquatic life with long lasting effects.

Full text of other abbreviations

Acute Tox.	: Acute toxicity
Aquatic Acute	: Short-term (acute) aquatic hazard
Aquatic Chronic	: Long-term (chronic) aquatic hazard
Asp. Tox.	: Aspiration hazard
Eye Dam.	: Serious eye damage
Skin Corr.	: Skin corrosion
Skin Irrit.	: Skin irritation
Skin Sens.	: Skin sensitisation

ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways; ADR - Agreement concerning the International Carriage of Dangerous Goods by Road; AIIIC - Australian Inventory of Industrial Chemicals; ASTM - American Society for the Testing of Materials; bw - Body weight; CLP - Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECHA - European Chemicals Agency; EC-Number - European Community number; ECx - Concentration associated with x% response; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; GHS - Globally Harmonised System; GLP - Good Laboratory Practice; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organisation; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardisation; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; n.o.s. - Not Otherwise Specified; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NZIoC - New Zealand Inventory of Chemicals; OECD - Organisation for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RID - Regulations concerning the International Carriage of Dangerous Goods by Rail; SADT - Self-Accelerating

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Decomposition Temperature; SDS - Safety Data Sheet; SVHC - Substance of Very High Concern; TCSI - Taiwan Chemical Substance Inventory; TECI - Thailand Existing Chemicals Inventory; TRGS - Technical Rule for Hazardous Substances; TSCA - Toxic Substances Control Act (United States); UN - United Nations; vPvB - Very Persistent and Very Bioaccumulative

Further information

Department issuing MSDS
REG_EU / EN

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