

SAFETY DATA SHEET

SÜDWEST Schimmel- Fresser new

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

1.1 Product identifier

Trade name SÜDWEST Schimmel-Fresser new

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

Alkaline cleaner/ detergent
Biocidal product

Uses advised against

This information is not available.

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
Telefax: (+49)6324/709-175
www.suedwest.de

E-mail address of person responsible for the SDS
European Union

sdb@suedwest.de

1.4 Emergency telephone number European Union

Phone: +44 (0)1235 239 670

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

Classification (REGULATION (EC) No 1272/2008)

Corrosive to metals,
Category 1

H290: May be corrosive to metals.

Skin corrosion, Category 1B

H314: Causes severe skin burns and eye damage.

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Acute aquatic toxicity,
Category 1

H400: Very toxic to aquatic life.

Chronic aquatic toxicity,
Category 2

H411: Toxic to aquatic life with long lasting effects.

2.2 Label elements

Labelling (REGULATION (EC) No 1272/2008)

Hazard pictograms



Signal word

Danger

Hazard statements

H290 May be corrosive to metals.
H314 Causes severe skin burns and eye damage.
H410 Very toxic to aquatic life with long lasting effects.

Supplemental Hazard Statements

EUH031 Contact with acids liberates toxic gas.
EUH071 Corrosive to the respiratory tract.

Precautionary statements

P101 If medical advice is needed, have product container or label at hand.
P102 Keep out of reach of children.
Prevention:
P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.
P273 Avoid release to the environment.
P260 Do not breathe mist.
Response:
P301 + P330 + P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P310 Immediately call a POISON CENTER/doctor.
P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

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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:

caustic soda

2.3 Other hazards

The product is alkaline.

Avoid contact with skin and eyes.

Use biocides safely. Always read the label and product information before use.

Results of PBT and vPvB assessment

Not applicable

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.2 Mixtures

Chemical nature

Aqueous sodium hypochlorite solution with < 5% active chlorine

Hazardous components

| Chemical name | CAS-No. EC-No. Registration number | Classification (REGULATION (EC) No 1272/2008) | Concentration (% w/w) |
|-------------------------------|---|--|--------------------------|
| sodium carbonate | 497-19-8 207-838-8 01-2119485498-19-XXXX | Eye Irrit.2; H319 | ≥ 3 - < 5 |
| sodium hypochlorite, solution | 7681-52-9 231-668-3 01-2119488154-34-XXXX | Met. Corr.1; H290 Skin Corr.1B; H314 Aquatic Acute1; H400 Aquatic Chronic1; H410 STOT SE3; H335 Note B | ≥ 3 - < 5 |
| caustic soda | 1310-73-2 215-185-5 01-2119457892-27-XXXX | Skin Corr.1A; H314 Met. Corr.1; H290 | ≥ 0,5 - < 1 |

For explanation of abbreviations see section 16.

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SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures

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| General advice | In 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 | Wash off immediately with plenty of water for at least 15 minutes. Do NOT use solvents or thinners. Take off contaminated clothing and shoes immediately. If symptoms persist, 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. In case of eye contact, flush with warm water. Physician should be contacted immediately. Call a physician immediately. |
| 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 | corrosive effects |
|----------|-------------------|

4.3 Indication of any immediate medical attention and special treatment needed

| | |
|-----------|---|
| Treatment | Treat symptomatically. No information available. |
|-----------|---|

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media

| | |
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| Suitable extinguishing media | CO ₂ , extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam. |
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| Unsuitable extinguishing media | High volume water jet |
| 5.2 Special hazards arising from the substance or mixture | Exposure to decomposition products may be a hazard to health. Fire may cause evolution of: Carbon monoxide Carbon dioxide (CO ₂) Nitrogen oxides (NO _x) Hydrogen chloride (HCl) Chlorine |
| 5.3 Advice for firefighters | In the event of fire, wear self-contained breathing apparatus. Complete suit protecting against chemicals |
| Additional advice | Suppress (knock down) gases/vapours/mists with a water spray jet. Use water spray to cool unopened containers. |

SECTION 6: ACCIDENTAL RELEASE MEASURES

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|--|---|
| 6.1 Personal precautions, protective equipment and emergency procedures | Ensure adequate ventilation. Do not breathe vapours, aerosols. Use personal protective equipment. |
| 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 | Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Sweep up and shovel. Clean with detergents. Avoid solvents. Dispose of contaminated material as waste according to item 13. Clean contaminated surface thoroughly. |
| 6.4 Reference to other sections | Refer to protective measures listed in sections 7 and 8. |

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling

| | |
|-------------------------|---|
| Advice on safe handling | Avoid contact with skin and eyes. Provide sufficient air exchange and/or exhaust in work |
|-------------------------|---|

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rooms.

Comply with the statutory regulations on health and safety at work.

Handle and open container with care.

When diluting, always stir the product into standing water, not water to product.

Do not re-use empty containers.

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

Prevent unauthorized access.

Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Store in original container.

Unsuitable materials for containers

Aluminium

Zinc

Suitable material

Polyethylene

Observe label precautions.

Keep in an area equipped with sprinklers.

Keep in a dry place.

Protect from frost, heat and sunlight.

Advice on common storage

Keep away from food, drink and animal feedingstuffs.

Oxidizing agents

Keep away from metals.

Keep away from combustible materials.

Do not store near acids.

7.3 Specific end use(s)

For further information, see also Technical Data Sheet for the product.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

Contains no substances with occupational exposure limit values. The lists that were valid during the creation were used as basis.

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8.2 Exposure controls

Appropriate engineering controls

Ensure good ventilation; if possible, use / install internal extractor equipment.

Individual protection measures, such as personal protective equipment

- a) Eye/face protection Safety glasses with side-shields conforming to EN166
- b) Skin protection
Hand protection Break through time: 480 min
Minimum thickness: 0,4 mm
Gloves made of nitrile rubber, e.g. KCL 730 Camatril®
Velours (Kächele-Cama-Latex GmbH, Hotline: 0049(0)6659-
87-300, kcl-uk@kcl.de), or equivalent.
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 EU Directive 89/686/EEC 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.
- Body Protection Impervious clothing
Alkali-resistant protective clothing
Remove and wash contaminated clothing before re-use.
Skin should be washed after contact.
Preventive skin protection
- c) Respiratory protection Breathing protection equipment required in inadequately
ventilated places and during spraying.
Breathing apparatus needed only when aerosol or mist is
formed.
Respiratory filter for brief exposure:
Combination filter B-P2
Respiratory protection complying with EN 14387.

Environmental exposure controls

- General advice 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.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

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9.1 Information on basic physical and chemical properties

| | |
|---|-------------------------------------|
| Appearance | liquid |
| Colour | yellow |
| Odour | chlorous |
| Odour Threshold | No data available |
| pH | ca. 12,5 - 13,0, 20 °C |
| Melting point/freezing point | No data available |
| Initial boiling point and boiling range | 102 °C |
| Flash point | Not applicable |
| Evaporation rate | not applicable |
| Flammability (solid, gas) | not applicable |
| Lower explosion limit | Not applicable |
| Upper explosion limit | Not applicable |
| Vapour pressure | No data available |
| Relative density | No data available |
| Density | ca. 1,122 g/cm ³ , 20 °C |
| Solubility(ies)(Water) | completely miscible |
| Partition coefficient: n-octanol/water | Not applicable |
| Auto-ignition temperature | not auto-flammable |
| Ignition temperature | No data available |
| Viscosity, dynamic | No data available |
| Explosive properties | Not explosive |
| Oxidizing properties | Not applicable |

9.2 Other information

| | |
|-----------|-------------------|
| Flow time | No data available |
|-----------|-------------------|

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SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity

No dangerous reaction known under conditions of normal use.

10.2 Chemical stability

Stable under normal conditions., Decomposes on heating.

10.3 Possibility of hazardous reactions

Hazardous reactions Corrosive in contact with metals
Heating can release hazardous gases.

10.4 Conditions to avoid

Conditions to avoid Direct sources of heat.
Strong sunlight for prolonged periods.
At higher temperatures, release of chlorine possible

10.5 Incompatible materials

Materials to avoid Acids
Metals
Reducing agents
Oxidizing agents
Combustible material

10.6 Hazardous decomposition products

Hazardous decomposition No decomposition if stored and applied as directed.
products
Decomposition No data available
temperature

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

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.

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| | |
|---|--|
| Acute dermal toxicity | Based on available data, the classification criteria are not met. |
| Skin corrosion/irritation | Causes severe skin burns and eye damage. |
| Serious eye damage/eye irritation | Causes serious eye damage. |
| Respiratory or skin sensitisation | Based on available data, the classification criteria are not met. |
| Germ cell mutagenicity Genotoxicity in vitro | Based on available data, the classification criteria are not met. |
| Carcinogenicity | Based on available data, the classification criteria are not met. |
| Reproductive toxicity 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 | Based on available data, the classification criteria are not met. |
| STOT - repeated exposure | Based on available data, the classification criteria are not met. |
| Aspiration hazard | Based on available data, the classification criteria are not met. |
| Human experience | If ingested, severe burns of the mouth and throat, as well as a danger of perforation of the oesophagus and the stomach. |
| Further information | The product itself has not been tested. The mixture is classified in accordance with Annex I to EC Directive |

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1272/2008. (See sections 2 and 3 for details).

Components:**sodium carbonate :**

Serious eye damage/eye
irritation

Causes serious eye irritation.

sodium hypochlorite, solution :

Skin corrosion/irritation

Causes severe skin burns and eye damage.

STOT - single exposure

May cause respiratory irritation.

caustic soda :

Skin corrosion/irritation

Causes severe skin burns and eye damage.

| |
|---|
| SECTION 12: ECOLOGICAL INFORMATION |
|---|

12.1 Toxicity**Product:**

Toxicity to fish

No data available

Components:**sodium hypochlorite, solution :**

Toxicity to fish

LC50 (Pimephales promelas (fathead minnow)): 0,08
mg/l
Exposure time: 96 h

Toxicity to daphnia and
other aquatic invertebrates

EC50 (Daphnia magna (Water flea)): 0,04 mg/l
Exposure time: 48 h

M-Factor (Acute aquatic
toxicity)

10

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M-Factor (Chronic aquatic toxicity) 1

12.2 Persistence and degradability

Product:

Biodegradability rapidly biodegradable, The surfactant(s) contained in this mixture complies(comply) with the biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them, at their direct request or at the request of a detergent manufacturer.

12.3 Bioaccumulative potential

Product:

Bioaccumulation No data available

Components:

sodium hypochlorite, solution :

Bioaccumulation Bioaccumulation is unlikely.

Partition coefficient: n-octanol/water log Pow: -3,42 (20 °C)

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 Other adverse effects

Product:

Additional ecological information The product is alkaline. Even small quantities emptied into the soil can affect the quality of drinking water. Do not use in the direct vicinity of bodies of water. Do not allow the agent or any product residues to enter into waters, the soil or the sewage system. Very toxic to aquatic life with long lasting effects.

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SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

| | |
|----------------------------------|--|
| Product | The user is responsible for proper coding and marking of any waste. |
| Contaminated packaging | Empty packaging should be recycled through disposal systems. |
| Waste key for the unused product | 07 06 01*: aqueous washing liquids and mother liquors : (*) hazardous waste in terms of the European directive 91/689/EEC |

SECTION 14: TRANSPORT INFORMATION

14.1 UN number

| | |
|------|------|
| ADR | 1719 |
| IMDG | 1719 |
| IATA | 1719 |

14.2 UN proper shipping name

| | |
|------|---|
| ADR | CAUSTIC ALKALI LIQUID, N.O.S. (sodium hydroxide, sodium hypochlorite solution) |
| IMDG | CAUSTIC ALKALI LIQUID, N.O.S. (SODIUM HYDROXIDE, SODIUM HYPOCHLORITE SOLUTION) |
| IATA | Caustic alkali liquid, n.o.s. (SODIUM HYDROXIDE, SODIUM HYPOCHLORITE SOLUTION) |

14.3 Transport hazard class(es)

| | |
|------|---|
| ADR | 8 |
| IMDG | 8 |

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IATA 8

14.4 Packing group

ADR

Packing group II
Classification Code C5
Hazard Identification Number 80
Labels 8
Tunnel restriction code (E)

IMDG

Packaging group II
Labels 8
EmS number F-A, S-B

IATA

Packaging group II
Labels 8

14.5 Environmental hazards

ADR

Environmentally hazardous yes

IMDG

Marine pollutant yes

14.6 Special precautions for user

Remarks This information is not available.

14.7 Transport in bulk according to Annex II of Marpol and the IBC Code

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Remarks Not applicable

Additional advice

ADR ADR: Up to 5 l per inner package, transport as limited quantity in accordance with ADR 3.4.

SECTION 15: REGULATORY INFORMATION

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

Directive 2010/75/EU 0 %
0 g/l

Directive 2004/42/EC

Regulation (EC) No.648/2004 on detergents does not fall under Directive 2004/42/EC
less than 5 % Chlorine-based bleaching agents
Non-ionic surfactants
Phosphonates

Further notes Do not use in the direct vicinity of bodies of water. Do not allow the agent or any product residues to enter into waters, the soil or the sewage system.
The effectiveness of the biocide is dependent on correct storage and observation of the use-by date.

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.

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.

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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

| | |
|------|---|
| H290 | : May be corrosive to metals. |
| H314 | : Causes severe skin burns and eye damage. |
| H319 | : Causes serious eye irritation. |
| H335 | : May cause respiratory irritation. |
| H400 | : Very toxic to aquatic life. |
| H410 | : Very toxic to aquatic life with long lasting effects. |

Full text of other abbreviations

| | |
|-----------------|--|
| Aquatic Acute | : Acute aquatic toxicity |
| Aquatic Chronic | : Chronic aquatic toxicity |
| Eye Irrit. | : Eye irritation |
| Met. Corr. | : Corrosive to metals |
| Skin Corr. | : Skin corrosion |
| STOT SE | : Specific target organ toxicity - single exposure |

ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways; ADR - European Agreement concerning the International Carriage of Dangerous Goods by Road; AICS - Australian Inventory of Chemical Substances; 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 Harmonized 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 Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; 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 - Organization 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

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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 Decomposition Temperature; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance 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

Other information

It is possible in the interim period that you may find different markings on packaging compared to the Material Safety Data Sheet until stocks have been used up. We ask for your understanding in this matter.

Department issuing
MSDS
REG_EU / EN

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