



EC-SAFETY DATA SHEET

According to EC-Regulation 1907/2006 (REACH), annex II,
including changes implemented by EC-Regulation 2020/878

ROTWEISS Kalkentferner

Date created: 21.08.2017

Version: 1,06

Revised on: 15.07.2024

This version completely replaces the previous versions - if available

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

1.1 Product identifier

Trade name: *ROTWEISS Kalkentferner*
ROTWEISS Limescale remover
Product no.: *7715 (500 ml), 7720 (1 L), 7725 (5 L)*
UFI-Code: *SV30-X0U1-6000-KS3M*

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

Relevant identified uses of the substance or mixture:
Acidic basic cleaner for cleaning boats, kitchens, bathrooms and sanitary areas.

Product code (A.I.S.E.):
AISE-P307 / Descaling agent. Manual process.

Use descriptors (REACH):
Sectors of use
LCS "C" Consumer uses: Private households (= general public = consumers)
LCS "PW" Professional uses: Public domain (administration, education, entertainment, services, craftsmen)

Product category
PC 35 Washing and Cleaning Products (including solvent based products)

1.3 Einzelheiten zum Lieferanten, der das Sicherheitsdatenblatt bereitstellt

Company:
Josef Zürn Telephone: *+49 (0)8382 89044*
ROTWEISS Produkte Fax: *+49 (0)8382 89544*
Sandgraben 8 E-mail: *info@rotweiss.com*
88142 Wasserburg Website: *www.rotweiss24.de*

Contact person:
Frau Petra Zürn Telephone: *+49 (0)8382 89044*
E-mail: *petra.zuern@rotweiss.com*

1.4 Emergency telephone number

Frau Petra Zürn +49 (0)8382 89044
Diese Nummer ist nur während folgender Zeiten verfügbar:
Mo - Fr 08:00-16:00 h

SECTION 2: HAZARDS IDENTIFICATION

Classified according to Regulation (EC) No. 1272/2008 (CLP).

2.1 Classification of the substance or mixture

Skin Irrit. 2; H315, Causes skin irritation.



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Eye Dam. 1; H318, Causes serious eye damage.

2.2 Label elements

Hazard pictogram(s)
GHS05



Signal word
Danger

Hazardous substances
Phosphoric acid, Orthophosphoric acid, Undecanol

Hazard statement(s):
Causes skin irritation. (H315)
Causes serious eye damage. (H318)

Precautionary statement(s):
Keep out of reach of children. (P102)
If medical advice is needed, have product container or label at hand. (P101).
Wear eye protection/protective gloves. (P280)
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. (P305+P351+P338)

Additional labelling:
Not applicable.

2.3 Other hazards

Additional warnings:
This mixture/product does not contain any substances known to fulfil the criteria for PBT and vPvB classification. This product does not contain any substances considered to be endocrine disruptors in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances

Not applicable. This product is a mixture

3.2 Mixtures



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Undecanol; 1 - < 2 %

CAS-Nummer: 127036-24-2

Acute Tox. 4, H302

Eye Dam. 1, H318

UVCB = Unknown or variable composition, complex reaction products or of biological materials.

Glycollic acid; 1 - 3 %

CAS-Nummer: 79-14-1

Skin Corr. 1B, H314

Acute Tox. 4, H332

phosphoric acid; 5 – 10 %

CAS-Nr.: 7664-38-2; EG-Nr.: 231-633-2Met. Corr. 1, H290

Acute Tox. 4, H302

Skin Corr. 1B, H314 (SCL: 25,00 %)

Skin Irrit. 2, H315 (SCL: 10,00 %)

Eye Dam. 1, H318

Eye Irrit. 2, H319 (SCL: 10,00 %)

European occupational exposure limit.

3-butoxypropan-2- ol;propylene glycol monobutyl ether; 1 - 3 %

CAS-Nr.: 5131-66-8 EG-Nr.: 225-878-4

Skin Irrit. 2, H315 (SCL: 20,00 %)

Eye Irrit. 2, H319 (SCL: 20,00 %)

See full text of H-phrases in section 16. Occupational exposure limits are listed in section 8, if these are available.

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures

General information:

In the case of accident: Contact a doctor or casualty department – take the label or this safety data sheet. Contact a doctor if in doubt about the injured person's condition or if the symptoms persist. Never give an unconscious person water or other drink.

Inhalation:

Upon breathing difficulties or irritation of the respiratory tract: Bring the person into fresh air and stay with him/her.

Skin contact:

IF ON SKIN: Wash with plenty of water and soap. Remove contaminated clothing and shoes. Ensure to wash exposed skin thoroughly with water and soap. DO NOT use solvents or thinners. If skin irritation occurs: Get medical advice/attention.

Eye contact:

If in eyes: Flush eyes with plenty of water or salt water (20- 30 °C) for at least 30 minutes and continue until irritation stops. Remove contact lenses. Make sure you flush under the upper



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and lower eyelids. Seek medical assistance immediately and continue flushing during transport.

Ingestion:

If the person is conscious, rinse the mouth with water and stay with the person. Never give the person anything to drink. In case of malaise, seek medical advice immediately and bring the safety data sheet or label from the product. Do not induce vomiting, unless recommended by the doctor. Have the person lean forward with head down to avoid inhalation of or choking on vomited material.

Burns:

Not applicable.

4.2 Most important symptoms and effects, both acute and delayed

The product contains substances that cause serious eye damage. Contact with these substances can cause irreversible effects on the eye / serious eye damage.

4.3 Indication of any immediate medical attention and special treatment needed

IF exposed or concerned: Get immediate medical advice/attention..

Information to medics

Bring this safety data sheet or the label from this product.

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media

Not applicable.

5.2 Special hazards arising from the substance or mixture

Fire will result in dense smoke. Exposure to combustion products may harm your health. Closed containers, which are exposed to fire, should be cooled with water. Do not allow fireextinguishing water to enter the sewage system and nearby surface waters. If the product is exposed to high temperatures, e.g. in the event of fire, dangerous decomposition compounds are produced. These are: Carbon oxides (CO / CO₂)

5.3 Advice for firefighters

Wear self-contained breathing apparatus and protective clothing to prevent contact. Upon direct exposure contact The National Poisons Information Service (dial 111, 24 h service) in order to obtain further advice.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Avoid direct contact with spilled substances. Ensure adequate ventilation, especially in confined areas. Contaminated areas may be slippery.



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6.2 Environmental precautions

Avoid discharge to lakes, streams, sewers, etc. Keep unauthorized persons away from the spill

6.3 Methods and material for containment and cleaning up

Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations. Wherever possible cleaning should be performed with normal cleaning agents. Avoid use of solvents..

6.4 Reference to other sections

*See section 13 "Disposal considerations" on handling of waste.
See section 8 "Exposure controls/personal protection" for protective measures..*

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling

Avoid direct contact with the product. Avoid contact during pregnancy and while nursing. Smoking, drinking and consumption of food is not allowed in the work area. See section 8 "Exposure controls/personal protection" for information on personal protection.

7.2 Conditions for safe storage, including any incompatibilities

Containers that have been opened must be carefully resealed and kept upright to prevent leakage.

Joint storage is permitted for products in storage classes:
2A, 2B, 3, 4.1B, 4.2, 5.1A, 5.1B, 5.2, 6.1A, 6.1B, 6.1C, 6.1D, 8A, 8B, 10, 11, 12, 13

Restrictions apply to joint storage of products in storage classes: 4.1A, 4.3, 5.1C
Joint storage is NOT allowed for products in all other storage classes.

Recommended storage material:
Keep only in original packaging.

Storage class:
Storage class 12 (Non-combustible liquids). TRGS 510 - Storage of hazardous substances in nonstationary containers.

Storage conditions:
5 - 30°C
Dry, cool and well ventilated

Incompatible materials:
Strong acids, strong bases, strong oxidizing agents, and strong reducing agents..

7.3 Specific end use(s)

This product should only be used for applications quoted in section 1.2.



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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

phosphoric acid

Long term exposure limit (8 hours) (mg/m³): 2 (Einatembare Fraktion)

Short term exposure limit (15 minutes) (mg/m³): 4 (Einatembare Fraktion)

Category for short-term values: I

Annotations:

DFG = Senate Commission for the examination of Harmful working materials of the DFG (MAK Commission) Y = No risk of fetal damage is to be feared if the occupational exposure limit (OEL) value and the biological limit value (BLV) are adhered to. EU = European Union (The EU has set an exposure limit: Deviations in value and peak limit are possible.) AGS = Committee on Hazardous Substances (Ausschuss für Gefahrstoffe).

Technical requirements for hazardous substances, workplace exposure limits, TRGS 900 (Jan. 2006)

DNEL

3-butoxypropan-2-ol;propylene glycol monobutyl ether

Duration: Route of exposure: DNEL:

Long term – Systemic effects - General population Dermal 22 mg/kg bw/day

Long term – Systemic effects - Workers Dermal 52 mg/kg bw/day

Long term – Systemic effects - General population Inhalation 43 mg/m³

Long term – Systemic effects - Workers Inhalation 147 mg/m³

Long term – Systemic effects - General population Oral 12.5 mg/kg bw/day

Glycollic acid

Duration: Route of exposure: DNEL:

Long term – Systemic effects - General population Dermal 28.85 mg/kg bw/day

Long term – Systemic effects - Workers Dermal 80.769 mg/kg bw/day

Long term – Local effects - General population Inhalation 383 µg/m³

Long term – Local effects - Workers Inhalation 2.157 mg/m³

Long term – Systemic effects - General population Inhalation 2.61 mg/m³

Long term – Systemic effects - Workers Inhalation 14.811 mg/m³

Short term – Local effects - General population Inhalation 2.3 mg/m³

Short term – Local effects - Workers Inhalation 12.944 mg/m³

Short term – Systemic effects - General population Inhalation 2.3 mg/m³

Short term – Systemic effects - Workers Inhalation 12.944 mg/m³

Long term – Systemic effects - General population Oral 750 µg/kgbw/day

phosphoric acid

Duration: Route of exposure: DNEL:

Long term – Local effects - General population Inhalation 360 µg/m³

Long term – Local effects - Workers Inhalation 1 mg/m³

Long term – Systemic effects - General population Inhalation 4.57 mg/m³

Long term – Systemic effects - Workers Inhalation 10.7 mg/m³

Short term – Local effects - Workers Inhalation 2 mg/m³

Long term – Systemic effects - General population Oral 100 µg/kgbw/day

PNEC

3-butoxypropan-2-ol;propylene glycol monobutyl ether



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Route of exposure: Duration of Exposure: PNEC:

Freshwater 525 µg/L

Freshwater sediment 2.36 mg/kg

Intermittent release (freshwater) 5.25 mg/L

Marine water 52.5 µg/L

Marine water sediment 236 µg/kg

Sewage treatment plant 10 mg/L

Soil 160 µg/kg

Glycollic acid

Route of exposure: Duration of Exposure: PNEC:

Sewage treatment plant 2.67 mg/L

8.2 Exposure controls



Compliance with the given occupational exposure limits values should be controlled on a regular basis.

General recommendations:

Smoking, drinking and consumption of food is not allowed in the work area.

Exposure scenarios:

There are no exposure scenarios implemented for this product.

Exposure limits:

Professional users are subjected to the legally set maximum concentrations for occupational exposure. See occupational hygiene limit values above.

Appropriate technical measures:

The formation of vapours must be kept at a minimum and below current limit values (see above). Installation of a local exhaust system if normal air flow in the work room is not sufficient is recommended. Ensure eyewash and emergency showers are clearly marked. Ensure that eyewash stations and safety showers are located within easy reach. Apply standard precautions during use of the product. Avoid inhalation of vapours.

Hygiene measures:

Take off contaminated clothing and wash it before reuse.

Measures to avoid environmental exposure:

No specific requirements.

Individual protection measures, such as personal protective equipment

Generally:

Use only CE marked protective equipment

Respiratory Equipment

Respiratory protection is not needed in the event of adequate ventilation.



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Skin protection:

No special when used as intended.

Hand protection

Material	Glove thickness (mm)	Breakthrough time (min.)	Standards
Nitrile	0.4	> 480	EN374-2, EN374-3, EN388

Eye protection:

Safety glasses EN166

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Physical state: Liquid

Colour: Colourless

Odour / Odour threshold: Characteristic

pH: 1

Density (g/cm³): Testing not relevant or not possible due to the nature of the product.

Kinematic viscosity: Testing not relevant or not possible due to the nature of the product.

Particle characteristics: Does not apply to liquids..

Phase changes

Melting point/Freezing point (°C): Testing not relevant or not possible due to the nature of the product.

Softening point/range (°C): Does not apply to liquids.

Boiling point (°C): Testing not relevant or not possible due to the nature of the product.

Vapour pressure: Testing not relevant or not possible due to the nature of the product.

Relative vapour density: Testing not relevant or not possible due to the nature of the product.

Decomposition temperature (°C): Testing not relevant or not possible due to the nature of the product.

Data on fire and explosion hazards

Flash point (°C): Testing not relevant or not possible due to the nature of the product.

Flammability (°C): Testing not relevant or not possible due to the nature of the product.

Auto-ignition temperature (°C): Testing not relevant or not possible due to the nature of the product.

Lower and upper explosion limit (%v/v): Testing not relevant or not possible due to the nature of the product.

Solubility

Solubility in water: Completely soluble

n-octanol/water coefficient (LogKow): Testing not relevant or not possible due to the nature of the product.

Solubility in fat (g/L): Testing not relevant or not possible due to the nature of the product.

9.2 Other information

Other physical and chemical parameters: No data available.

Oxidizing properties: Testing not relevant or not possible due to the nature of the product.

SECTION 10: STABILITY AND REACTIVITY



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10.1. Reactivity

No data available.

10.2. Chemical stability

The product is stable under the conditions, noted in section 7 "Handling and storage".

10.3. Possibility of hazardous reactions

None known.

10.4. Conditions to avoid

Extreme temperatures. Protect from frost, heat and sunlight.

10.5. Incompatible materials

Strong acids, strong bases, strong oxidizing agents, and strong reducing agents.

10.6. Hazardous decomposition products

The product is not degraded when used as specified in section 1.

SECTION 11: TOXICOLOGICAL INFORMATION

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

Acute toxicity

Product/substance phosphoric acid

Species: Rat

Route of exposure: Oral

Test: LD50

Result: 1250 mg/kg

Product/substance phosphoric acid

Species: Rabbit

Route of exposure: Dermal

Test: LD50

Result: 2740 mg/kg

Product/substance phosphoric acid

Species: Rat

Route of exposure: Inhalation

Test: LC50

Result: 850 mg/L

Product/substance Undecanol

Test method: OECD 401

Species: Rat, male/female

Route of exposure: Oral



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Test: LD50

Result: 1940 mg/kg

Product/substance 3-butoxypropan-2-ol;propylene glycol monobutyl ether

Test method: OECD 401

Species: Rat

Route of exposure: Oral

Test: LD50

Result: >2000 mg/kg

Product/substance 3-butoxypropan-2-ol;propylene glycol monobutyl ether

Test method: OECD 402

Species: Rat

Route of exposure: Dermal

Test: LD50

Result: >2000 mg/kg

Skin corrosion/irritation

Product/substance phosphoric acid

Result: Adverse effect observed (Corrosive)

Causes skin irritation.

Serious eye damage/irritation

Product/substance phosphoric acid

Result: Adverse effect observed (Causes serious eye damage)

Product/substance Undecanol, verzweigt und linear, ethoxyliert

Test method: OECD 405

Species: Rabbit

Result: Adverse effect observed (Causes serious eye damage)

Causes serious eye damage.

Respiratory sensitisation

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

Skin sensitisation

Product/substance Undecanol

Test method: OECD 406

Result: No adverse effect observed (not sensitising)

Germ cell mutagenicity

Product/substance Undecanol

Conclusion: No adverse effect observed

Carcinogenicity

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

Reproductive toxicity



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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.

11.2. Information on other hazards

Long term effects

The product contains substances that cause serious eye damage. Contact with these substances can cause irreversible effects on the eye / serious eye damage.

Endocrine disrupting properties

This mixture/product does not contain any substances known to have hormone-disrupting properties in relation to health.

Other information

None known.

SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity

Product/substance phosphoric acid

Species: Fish, Gambusia affinis

Duration: 96 hours

Test: LC50

Result: 138 mg/L

Product/substance phosphoric acid

Test method: OECD 201

Species: Algae, Desmodesmus subspicatus

Duration: 72 hours

Test: ErC50

Result: >100 mg/L

Product/substance phosphoric acid

Test method: OECD 202

Species: Daphnia, Daphnia magna

Duration: 48 hours

Test: EC50

Result: >100 mg/L

Product/substance phosphoric acid

Test method: OECD 203



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Species: Fish, Oryzias latipes
Test: NOEC
Result: 42 mg/L

Product/substance phosphoric acid
Test method: OECD 201
Species: Algae, Desmodesmus subspicatus
Duration: 3 days
Test: NOEC
Result: 100 mg/L

Product/substance phosphoric acid
Test method: OECD 202
Species: Daphnia, Daphnia magna
Duration: 2 days
Test: NOEC
Result: 56 mg/L

Product/substance phosphoric acid
Species: Bacteria
Duration: 3 hours
Result: 1000 mg/L

Product/substance Undecanol
Test method: OECD 203
Species: Fish, Danio rerio
Duration: 96 hours
Test: LC50
Result: >1-10 mg/L

Product/substance Undecanol
Test method: OECD 209
Species: Bacteria
Test: EC50
Result: 100-1000 mg/L

Product/substance 3-butoxypropan-2-ol;propylene glycol monobutyl ether
Species: Bacteria
Duration: 3 hours
Test: EC50
Result: >1000 mg/L

Product/substance 3-butoxypropan-2-ol;propylene glycol monobutyl ether
Species: Daphnia, Daphnia magna
Duration: 48 hours
Test: EC50
Result: >1000 mg/L

12.2 Persistenz und Abbaubarkeit

Product/substance Undecanol
Result: >80%
Conclusion: -
Test: OECD 302 B



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Product/substance Undecanol,

Duration: 28 days

Result: >90%

Conclusion: -

Test: OECD 301 E

Product/substance 3-butoxypropan-2-ol;propylene glycol monobutyl ether

Result: 90%

Conclusion: Readily biodegradable

Test: OECD 301 E

12.3 Bioakkumulationspotenzial

Product/substance phosphoric acid

LogKow: -2

Conclusion: -

Product/substance 3-butoxypropan-2-ol;propylene glycol monobutyl ether

BCF: <100

Conclusion: Potential for bioaccumulation.

12.4 Mobility in soil

No data available.

12.5. Results of PBT and vPvB assessment

This mixture/product does not contain any substances known to fulfil the criteria for PBT and vPvB classification.

12.6. Endocrine disrupting properties

Product/substance 3-butoxypropan-2-ol;propylene glycol monobutyl ether

Species: Fish, Poecilia reticulata

Duration: 96 hours

Result: 560-1000 mg/L

12.7. Other adverse effects

None known

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Product is covered by the regulations on hazardous waste.

HP 8 – Corrosive

Commission Regulation (EU) No 1357/2014 of 18 December 2014 on waste.

EWC code:

06 01 06 Other acids

15 01 02 Plastic packaging



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Contaminated packing

EWC code:

15 01 10 Packaging containing residues of or contaminated by dangerous substances

Notes

Please observe the relevant national or regional regulations. Waste must be separated so that it can be treated separately by municipal or national waste disposal facilities.

ABSCHNITT 14: Angaben zum Transport

*Information on the transport of dangerous goods
by road, rail or inland waterways in accordance with ADR / RID,
by sea-going vessels in accordance with IMDG,
by air freight in accordance with ICAO-TI / IATA-DGR*

14.1 UN-Number or ID

-

14.2 UN proper shipping name

ADR / RID

-

IMDG-Code / ICAO-TI / IATA-DGR

-

14.3 Hazard class(es)

ADR / RID / IMDG-Code / ICAO-TI / IATA-DGR

14.4 Packing group

-

14.5 Environmental hazards

ADR / RID / IMDG-Code: -

ICAO-TI / IATA-DGR: -

14.6 Special precautions for user

-

14.7 Maritime transport in bulk according to IMO instruments

-

SECTION 15: REGULATORY INFORMATION

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



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Restrictions for application:

Pregnant women and women breastfeeding must not be exposed to this product. The risk, and possible technical precautions or design of the workplace needed to eliminate exposure, must be considered.

Demands for specific education:

No specific requirements.

SEVESO - Categories / dangerous substances:

Not applicable.

WGK classification:

WGK class: WGK 1

Additional information:

Not applicable.

Sources:

Law for the Protection of Working Youth (Youth Employment Protection Act - JArbSchG). Law on the protection of mothers at work, in training and in studies (Mutterschutzgesetz - MuSchG) 23.05.2017 (BGBl. I S. 1228). Commission Regulation (EU) No 1357/2014 of 18 December 2014 on waste. Verordnung über Anlagen zum Umgang mit wassergefährdenden Stoffen (AwSV). Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures (CLP). Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH).

15.2 Chemical safety assessment

No.

SECTION 16: OTHER INFORMATION

The data sheet has been revised. Changes have been made in all sections.

It replaces all previous versions.

This safety data sheet has been newly created on the basis of European Regulation (EC) No. 1272/2008 (CLP Regulation) and replaces previous versions.

The information provided here is intended to describe the product with regard to the necessary safety precautions; it is not intended to guarantee specific properties and is based on our current level of knowledge. Liability excluded

Full text of H-phrases as mentioned in section 3

H290, May be corrosive to metals.

H302, Harmful if swallowed.

H314, Causes severe skin burns and eye damage.

H315, Causes skin irritation.

H318, Causes serious eye damage.

H319, Causes serious eye irritation.

H332, Harmful if inhaled.



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ROTWEISS Kalkentferner

Date created: 21.08.2017

Version: 1,06

Revised on: 15.07.2024

This version completely replaces the previous versions - if available

The full text of identified uses as mentioned in section 1

LCS "C" = Consumer uses: Private households (= general public = consumers)

LCS "PW" = Professional uses: Public domain (administration, education, entertainment, services, craftsmen)

PC 35 = Washing and Cleaning Products (including solvent based products)

Abbreviations and acronyms

ADN = European Provisions concerning the International Carriage of Dangerous Goods by Inland Waterway

ADR = The European Agreement concerning the International Carriage of Dangerous Goods by Road

ATE = Acute Toxicity Estimate

BCF = Bioconcentration Factor

CAS = Chemical Abstracts Service

CE = Conformité Européenne (European conformity)

CLP = Classification, Labelling and Packaging Regulation [Regulation (EC) No. 1272/2008]

CSA = Chemical Safety Assessment

CSR = Chemical Safety Report

DMEL = Derived Minimal Effect Level

DNEL = Derived No Effect Level

EINECS = European Inventory of Existing Commercial chemical Substances

ES = Exposure Scenario

EUH statement = CLP-specific Hazard statement

EuPCS = European Product Categorisation System

EWC = European Waste Catalogue

GHS = Globally Harmonized System of Classification and Labelling of Chemicals

GWP = Global warming potential

IARC = International Agency for Research on Cancer (IARC)

IATA = International Air Transport Association

IBC = Intermediate Bulk Container

IMDG = International Maritime Dangerous Goods

LogPow = logarithm of the octanol/water partition coefficient

MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)

OECD = Organisation for Economic Co-operation and Development

PBT = Persistent, Bioaccumulative and Toxic

PNEC = Predicted No Effect Concentration

RID = The Regulations concerning the International Carriage of Dangerous Goods by Rail

RRN = REACH Registration Number

SCL = A specific concentration limit

SVHC = Substances of Very High Concern

STOT-RE = Specific Target Organ Toxicity - Repeated Exposure

STOT-SE = Specific Target Organ Toxicity - Single Exposure

TWA = Time weighted average

UN = United Nations

UVBC = Unknown or variable composition, complex reaction products or of biological materials

VOC = Volatile Organic Compound

vPvB = Very Persistent and Very Bioaccumulative

Additional information

The classification of the mixture in regard of health hazards is in accordance with the



EC-SAFETY DATA SHEET

According to EC-Regulation 1907/2006 (REACH), annex II,
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calculation methods given by Regulation (EC) No. 1272/2008 (CLP).

The data on the hazardous ingredients were taken from the latest safety data sheet of the supplier.

Disclaimer

The information provided is based on our current level of knowledge.

This SDS was compiled exclusively for this product and is intended exclusively for this product. If the product is mixed, blended or processed with other materials, or is subjected to processing, the information in this safety data sheet cannot be transferred to the new material produced in this way, unless expressly stated otherwise.