

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

1.1 Product identifier

Trade name/designation WEISS ALGAE AND MOSS TREATMENT / ONEX

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

No data available

1.3 Details of the supplier of the safety data sheet

Manufacturer

WEISS Steinpflegeprodukte

Wiesing 20a

AUSTRIA-5143 Feldkirchen

E-mail: info@weiss.sc

Dept. responsible for information: Labor

Information telephone: +43 7748 32271

E-mail (competent person): dsd@weiss.sc

1.4 Emergency telephone number

UK: Nat. Poison Inform. Center: +44 171 635 91 91

AUSTRIA: Vergiftungsinformationszentrale +43 1 406 43 43

GERMANY: Giftnotruf +49 89 19 24 0

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

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

health hazards

Acute Tox. 4

hazard statements for health hazards

H302 Harmful if swallowed.

health hazards

Acute Tox. 4

hazard statements for health hazards

H312 Harmful in contact with skin.

health hazards

Skin Corr. 1B

hazard statements for health hazards

H314 Causes severe skin burns and eye damage.

2.2 Label elements

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

Hazard pictograms



GHS05



GHS07

Signal word

Danger

Hazard statements

hazard statements for health hazards

H302 Harmful if swallowed.

H312 Harmful in contact with skin.

H314 Causes severe skin burns and eye damage.

Precautionary statements

General:

P101 If medical advice is needed, have product container or label at hand.

P102 Keep out of reach of children.

Prevention:

P260 Do not breathe dust/fume/gas/mist/vapours/spray.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

Response:

P301+ P330 + P331 IF SWALLOWED: rinse mouth. Do NOT induce vomiting.

P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/or 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.

P310 Immediately call a POISON CENTER/doctor/.

Storage:

P405 Store locked up.

Disposal:

P501 Dispose of contents/container to .

Product identifiers

Quaternäre Ammoniumverbindungen, Benzyl-C8-18-alkyldimethyl-, Chloride

Natriumhydroxid

Special rules on packaging

Child-resistant fastenings (EN/862/ISO 8317). Tactile warning according to EN/ISO 11683.

2.3 Other hazards

Results of PBT and vPvB assessment

not applicable

SECTION 3: Composition / information on ingredients

3.1/3.2 Substances/Mixtures

Hazardous ingredients

Quaternary ammonium compounds, benzyl-C8-18-alkyldimethyl, chlorides <10 %

CAS 63449-41-2

EC 264-151-6

INDEX 612-140-00-5

Acute Tox. 4, H312 / Acute Tox. 4, H302 / Skin Corr. 1B, H314 / Aquatic

Acute 1, H400

sodium-hydroxide <=1 %

CAS 1310-73-2

EC 215-185-5

INDEX 011-002-00-6

Skin Corr. 1A, H314

SECTION 4: First aid measures

4.1 Description of first aid measures

General information

Remove contaminated, saturated clothing immediately.

Following inhalation

Remove casualty to fresh air and keep warm and at rest. If breathing is irregular or stopped, administer artificial respiration.

Following skin contact

After contact with skin, wash immediately with plenty of water and soap.

After eye contact

In case of contact with eyes flush immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart and consult an ophthalmologist.

After ingestion

If accidentally swallowed rinse the mouth with plenty of water (only if the person is conscious) and obtain immediate medical attention. Let water be drunk in little sips (dilution effect).

Self-protection of the first aider

First aider: Pay attention to self-protection!

4.2 Most important symptoms and effects, both acute and delayed

Effects

No data available

4.3 Indication of any immediate medical attention and special treatment needed

No data available

SECTION 5: Firefighting measures

Additional information

Use water spray jet to protect personnel and to cool endangered containers.

5.1 Extinguishing media

Suitable extinguishing media

Extinguishing powder

Carbon dioxide (CO₂)

Water spray jet

Unsuitable extinguishing media

Full water jet

5.2 Special hazards arising from the substance or mixture

Hazardous combustion products

No data available

Carbon dioxide (CO₂)

Carbon monoxide

Nitrogen oxides (NO_x)

Hydrogen chloride (HCl)

5.3 Advice for firefighters

Special protective equipment for firefighters

In case of fire: Wear self-contained breathing apparatus. Wear a self-contained breathing apparatus and chemical protective clothing.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

Emergency procedures

Remove persons to safety.

Personal precautions

Use personal protection equipment.

For emergency responders

Personal protection equipment

Use appropriate respiratory protection. Wear breathing apparatus if exposed to vapours/dusts/aerosols.

6.2 Environmental precautions

Do not allow to enter into surface water or drains.

6.3 Methods and material for containment and cleaning up

For containment

Suitable material for taking up:

Sand
Universal binder
Kieselguhr

For cleaning up

Suitable material for diluting or neutralizing:

Water

6.4 Reference to other sections

Personal protection equipment: see section 8
Safe handling: see section 7
Disposal: see section 13

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Advices on general occupational hygiene

When using do not eat, drink, smoke, sniff. Work in well-ventilated zones or use proper respiratory protection. Wash hands before breaks and after work. Avoid contact with skin, eyes and clothes.

Protective measures

Advices on safe handling

Use only in well-ventilated areas.

7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Keep container tightly closed.

Hints on joint storage

Materials to avoid

Do not store together with:
Acid
Food and feedingstuffs

Further information on storage conditions

Keep locked up and out of reach of children. Keep only in the original container in a cool, well-ventilated place.

storage temperature

Value >5 - <25 °C

7.3 Specific end use(s)

No data available

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Occupational exposure limit values

CAS No.	Substance name	LTV	STV	remark
1310-73-2	Sodium hydroxide		2 mg/m ³	Great Britain (UK)

LTV = long-term occupational exposure limit value

STV = short-term occupational exposure limit value

source: GESTIS International Limit Values (<http://limitvalue.ifa.dguv.de/>)

Monitoring and observation processes: GESTIS Analytical Methods (<http://amcaw.ifa.dguv.de/>)

8.2 Exposure controls

Personal protection equipment

Eye/face protection

Suitable eye protection:

Eye glasses with side protection

Face protection shield

Skin protection

Suitable gloves type:

Disposable gloves

Suitable material:

PVC (Polyvinyl chloride)

PE (polyethylene)

NBR (Nitrile rubber)

remark

The quality of the protective gloves resistant to chemicals must be chosen as a function of the specific working place concentration and quantity of hazardous substances. Breakthrough times and swelling properties of the material must be taken into consideration.

Respiratory protection

insufficient ventilation

prolonged exposure

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance

Physical state

liquid

Colour

transparent

Odour

odourless

		parameter	Method - source - remark
pH	9	Temperature 20 °C	
Melting point/freezing point			not determined
Initial boiling point and boiling range	>100 °C		
Flash point (°C)			not applicable
Evaporation rate			not determined
flammability			not applicable
Upper explosion limit			not applicable
lower explosion limit			not applicable
Vapour pressure	23 mbar	Temperature 20 °C	
Vapour density			not determined
Relative density	ca.1,01 g/cm ³	Temperature 20 °C	Density
Fat solubility (g/L)			not determined

parameter	Method - source - remark
Water solubility (g/L)	completely miscible
Soluble (g/L) in	not determined
Partition coefficient: n-octanol/water	not determined
Auto-ignition temperature	not applicable
Decomposition temperature	not determined

9.2 Other information

No data available

SECTION 10: Stability and reactivity

10.1 Reactivity

This material is considered to be non-reactive under normal use conditions.

10.2 Chemical stability

The product is chemically stable under recommended conditions of storage, use and temperature.

10.3 Possibility of hazardous reactions

No hazardous reaction when handled and stored according to provisions.

10.4 Conditions to avoid

No information available.

10.5 Incompatible materials

No information available.

10.6 Hazardous decomposition products

No information available.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity

Acute dermal toxicity

ingredient Quaternary ammonium compounds, benzyl-C8-18-alkyldimethyl, chlorides

Acute dermal toxicity 3340 mg/kg

Effective dose

LD50:

Species:

Rabbit

Acute oral toxicity

ingredient Quaternary ammonium compounds, benzyl-C8-18-alkyldimethyl, chlorides

Acute oral toxicity 344 mg/kg

Species:

Rat

skin corrosion/irritation

Assessment/classification

Corrosive. Causes severe skin burns and eye damage.

CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)

Overall Assessment on CMR properties

none

Germ cell mutagenicity

Assessment/classification

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

Carcinogenicity

Result / evaluation

No

Reproductive toxicity

Assessment/classification

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

STOT-single exposure

STOT SE 1 and 2

Other information

This information is not available.

STOT-repeated exposure

STOT RE 1 and 2

Other information

This information is not available.

SECTION 12: Ecological information

12.1 Toxicity

Aquatic toxicity

Acute (short-term) fish toxicity

ingredient Quaternary ammonium compounds, benzyl-C8-18-alkyldimethyl, chlorides

Acute (short-term) fish toxicity 0,85 mg/L

Effective dose

LC50:

Test duration 96 h

Acute (short-term) toxicity to crustacea

ingredient Quaternary ammonium compounds, benzyl-C8-18-alkyldimethyl, chlorides

Acute (short-term) toxicity to crustacea 0,016 mg/L

Effective dose

EC50

Test duration 48 A

species

Daphnia magna (Big water flea)

Chronic (long-term) toxicity to crustacea

ingredient Quaternary ammonium compounds, benzyl-C8-18-alkyldimethyl, chlorides

Chronic (long-term) toxicity to crustacea 0,025 mg/L

Effective dose

NOEC

Test duration 21 d

species

Daphnia magna (Big water flea)

Acute (short-term) toxicity to aquatic algae and cyanobacteria

ingredient Quaternary ammonium compounds, benzyl-C8-18-alkyldimethyl, chlorides

Acute (short-term) toxicity to aquatic algae and cyanobacteria 0,026 mg/L

Effective dose

EC50

Test duration 72 h

species

Selenastrum capricornutum

Additional ecotoxicological information

Additional information

Water hazard class 2 (German Regulation) (Self-assessment): slightly hazardous for water.

Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system

Assessment/classification

No data available

12.2 Persistence and degradability

Assessment/classification

No data available

12.3 Bioaccumulative potential

Assessment/classification

Does not accumulate in organisms.

12.4 Mobility in soil

Assessment/classification

not determined

12.5 Results of PBT and vPvB assessment

not applicable

12.6 Other adverse effects

No information available.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Appropriate disposal / Package

Recycle according to official regulations.

SECTION 14: Transport information

	Land transport (ADR/RID)	Sea transport (IMDG)	Air transport (ICAO-TI / IATA-DGR)
14.1 UN-No.	1760	1760	1760
14.2 Proper Shipping Name	CORROSIVE LIQUID, N.O.S.	CORROSIVE LIQUID, N.O.S.	Corrosive liquid, n.o.s.
14.3 Class(es)	8	8	8
14.4 Packing group	II	II	II
14.5 ENVIRONMENTALLY HAZARDOUS	Yes.	Yes.	Yes.
14.6 Special precautions for user	not applicable	not applicable	not applicable
14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	not applicable	not applicable	not applicable

Additional information - Land transport (ADR/RID)

Hazard label(s) 8
Classification code C9
Limited quantity (LQ) 1 L

Hazard identification number (Kemler No.) 80

tunnel restriction code E

transport category 2

Additional information - Sea transport (IMDG)

Marine pollutant Yes.

Additional information - Air transport (ICAO-TI / IATA-DGR)

Limited quantity (LQ) 0,5

SECTION 15: Regulatory information

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

15.2 Chemical Safety Assessment

No data available

SECTION 16: Other information