

Safety data sheet

according to 1907/2006/EC, Article 31

Page 1/8

Printing date 11.01.2018

Revision: 11.01.2018

Version number 2

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

1.1 Product identifier

Trade name: frisch-aktiv Schnell-Entkalker 2x15g

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

No further relevant information available.

Application of the substance / the mixture Descaling agent

1.3 Details of the supplier of the safety data sheet

Manufacturer/Supplier:

ORO-Produkte Marketing International GmbH

Im Hengstfeld 47

D-32657 Lemgo

Telefon: +49 (0) 5261 - 28893 - 0

Telefax: +49 (0) 5261 - 28893 - 48

Informing department:

Quality Management

info@oro-marketing.de

1.4 Emergency telephone number: During office hours (08:00 - 16:00): +49(0)5261 - 28893 - 0

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008



GHS07

Skin Irrit. 2 H315 Causes skin irritation.

Eye Irrit. 2 H319 Causes serious eye irritation.

Aquatic Chronic 3 H412 Harmful to aquatic life with long lasting effects.

2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008

The product is classified and labelled according to the CLP regulation.

Hazard pictograms GHS07

Signal word Warning

Hazard statements

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H412 Harmful to aquatic life with long lasting effects.

Precautionary statements

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

P102 Keep out of reach of children.

P273 Avoid release to the environment.

P280 Wear protective gloves / eye protection.

P302+P352 IF ON SKIN: Wash with plenty of soap and water.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P337+P313 If eye irritation persists: Get medical advice/attention.

P501 Dispose of contents/container to hazardous or special waste collection point.

2.3 Other hazards

Results of PBT and vPvB assessment

PBT: The mixture contains no PBT substance (PBT= persistent, bioaccumulative, toxic).

(Contd. on page 2)

Safety data sheet

according to 1907/2006/EC, Article 31

Page 2/8

Printing date 11.01.2018

Revision: 11.01.2018

Version number 2

Trade name: frisch-aktiv Schnell-Entkalker 2x15g

(Contd. of page 1)

vPvB: The mixture contains no vPvB substance (vPvB= very persistent, very bioaccumulative).

SECTION 3: Composition/information on ingredients

3.2 Chemical characterisation: Mixtures

Description: Mixture of the substances listed below with harmless additions.

Dangerous components:

CAS: 5329-14-6	sulphamidic acid	> 80%
EINECS: 226-218-8	⚠ Skin Irrit. 2, H315; Eye Irrit. 2, H319; Aquatic Chronic 3, H412	
Reg.nr.: 01-2119846728-23-xxxx		

Additional information For the wording of the listed hazard phrases refer to section 16.

SECTION 4: First aid measures

4.1 Description of first aid measures

General information

Instantly remove any clothing soiled by the product.

Take affected persons out of danger area and instruct to lie down.

After inhalation

In case of unconsciousness bring patient into stable side position for transport.

Seek medical treatment in case of complaints.

Supply fresh air.

After skin contact

Instantly wash with water and soap and rinse thoroughly.

If skin irritation continues, consult a doctor.

After eye contact

Rinse opened eye for several minutes under running water. If symptoms persist, consult doctor.

After swallowing

Do not induce vomiting; instantly call for medical help.

Rinse out mouth and then drink plenty of water.

4.2 Most important symptoms and effects, both acute and delayed

No further relevant information available.

4.3 Indication of any immediate medical attention and special treatment needed

No further relevant information available.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing agents Use fire fighting measures that suit the environment.

5.2 Special hazards arising from the substance or mixture

No further relevant information available.

5.3 Advice for firefighters

Protective equipment:

Do not inhale explosion gases or combustion gases.

Wear self-contained breathing apparatus.

Additional information Cool endangered containers with water spray jet.

GB

(Contd. on page 3)

Safety data sheet

according to 1907/2006/EC, Article 31

Page 3/8

Printing date 11.01.2018

Revision: 11.01.2018

Version number 2

Trade name: frisch-aktiv Schnell-Entkalker 2x15g

(Contd. of page 2)

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Wear protective equipment. Keep unprotected persons away.

Avoid eye and skin contact.

Wear protective clothing.

Avoid causing dust.

6.2 Environmental precautions:

Inform respective authorities in case product reaches water or sewage system.

6.3 Methods and material for containment and cleaning up: Collect mechanically.

6.4 Reference to other sections

See Section 7 for information on safe handling

See Section 8 for information on personal protection equipment.

See Section 13 for information on disposal.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Keep containers tightly sealed.

Ensure good ventilation/exhaustion at the workplace.

When using do not eat, drink, smoke.

Wash hands before breaks and after work.

Observe instructions for use.

Information about protection against explosions and fires: No special measures required.

7.2 Conditions for safe storage, including any incompatibilities

Storage

Requirements to be met by storerooms and containers:

Store only in the original container.

Do not use acid sensitive materials.

Information about storage in one common storage facility:

Do not store together with alkalis (caustic solutions).

Further information about storage conditions: Keep container tightly sealed.

Storage class 8

7.3 Specific end use(s) No further relevant information available.

SECTION 8: Exposure controls/personal protection

Additional information about design of technical systems: No further data; see item 7.

8.1 Control parameters

Components with critical values that require monitoring at the workplace:

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

DNELs

5329-14-6 sulphamidic acid

Oral	DNEL (population)	1.06 mg/kg bw/day (Consumer) (Long term - systemic effects)
Inhalative	DNEL (worker)	7.5 mg/m3 (w) (Long-term - systemic effects)
	DNEL (population)	1.85 mg/m3 (Consumer) (Long-term - systemic effects)

(Contd. on page 4)

Safety data sheet

according to 1907/2006/EC, Article 31

Page 4/8

Printing date 11.01.2018

Revision: 11.01.2018

Version number 2

Trade name: frisch-aktiv Schnell-Entkalker 2x15g

(Contd. of page 3)

PNECs

5329-14-6 sulphamidic acid

PNEC aqua	0.3 mg/l (freshwater) 0.03 mg/l (marine water) 0.3 mg/l (intermittent releases)
PNEC STP	200 mg/l (sewage treatment plant)
PNEC sediment	0.3 mg/kg dw (sediment freshwater) 0.03 mg/kg dw (sediment marine water)

Additional information: The lists that were valid during the compilation were used as basis.

8.2 Exposure controls

Personal protective equipment

General protective and hygienic measures

Keep away from foodstuffs, beverages and food.
Instantly remove any soiled and impregnated garments.
Wash hands during breaks and at the end of the work.
Avoid contact with the eyes and skin.

Breathing equipment: Use breathing protection in case of insufficient ventilation.

Protection of hands:

Protective gloves.

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

Material of gloves

PVC gloves
Natural rubber, NR
Nitrile rubber, NBR
Fluorocarbon rubber (Viton)

Penetration time of glove material

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

Eye protection: Tightly sealed safety glasses.

Body protection: Protective work clothing.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

General Information

Appearance:

Form:	Powder
Colour:	White
Smell:	Characteristic
Odour threshold:	Not determined.

pH-value (10 g/l) at 25 °C:	1,2
-----------------------------	-----

Change in condition

Melting point/freezing point:	205(Zersetzung) °C
-------------------------------	--------------------

(Contd. on page 5)

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 11.01.2018

Revision: 11.01.2018

Version number 2

Trade name: frisch-aktiv Schnell-Entkalker 2x15g

(Contd. of page 4)

Initial boiling point and boiling range: Not determined	
Flash point:	Not applicable
Inflammability (solid, gaseous)	Not determined.
Decomposition temperature:	>200 °C
Self-inflammability:	Product is not selfigniting.
Explosive properties:	Product is not explosive.
Critical values for explosion:	
Lower:	Not determined.
Upper:	Not determined.
Steam pressure:	Not checked, because solid substance.
Density at 20 °C	2,126/25°C g/cm³
Settled apparent density at 20 °C	600 kg/m³
Relative density	Not determined.
Vapour density	Not applicable.
Evaporation rate	Not applicable.
Solubility in / Miscibility with	
Water at 20 °C:	213 g/l Fully miscible
Partition coefficient: n-octanol/water:	Not determined.
Viscosity:	
dynamic:	Not applicable.
kinematic:	Not applicable.
Solvent content:	
Solids content:	100,0 %
9.2 Other information	No further relevant information available.

SECTION 10: Stability and reactivity

10.1 Reactivity No further relevant information available.

10.2 Chemical stability

Thermal decomposition / conditions to be avoided:

No decomposition if used according to specifications.

10.3 Possibility of hazardous reactions No dangerous reactions known

10.4 Conditions to avoid No further relevant information available.

10.5 Incompatible materials: No further relevant information available.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

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

(Contd. on page 6)

Safety data sheet

according to 1907/2006/EC, Article 31

Page 6/8

Printing date 11.01.2018

Revision: 11.01.2018

Version number 2

Trade name: frisch-aktiv Schnell-Entkalker 2x15g

(Contd. of page 5)

LD/LC50 values that are relevant for classification:

5329-14-6 sulphamidic acid

Oral LD50 >2000 mg/kg (rat) (OECD 401 (Acute Oral Toxicity))

Primary irritant effect:

Skin corrosion/irritation

Causes skin irritation.

Serious eye damage/irritation

Causes serious eye irritation.

Respiratory or skin sensitisation Based on available data, the classification criteria are not met.

Repeated dose toxicity

5329-14-6 sulphamidic acid

NOAEL 1000 mg/kg (rat) (oral, 90h)

CMR effects (carcinogenity, mutagenicity and toxicity for reproduction)

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

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

Reproductive 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.

SECTION 12: Ecological information

12.1 Toxicity

Aquatic toxicity:

5329-14-6 sulphamidic acid

LC0/96 h 70.3 mg/l (Pimephales promelas) (OECD 203 (Fish, Acute Toxicity Test))

12.2 Persistence and degradability No further relevant information available.

12.3 Bioaccumulative potential No further relevant information available.

12.4 Mobility in soil No further relevant information available.

Ecotoxicological effects:

Remark: Harmful to fish

Additional ecological information:

General notes:

Water hazard class 1 (Self-assessment): slightly hazardous for water.

Harmful to aquatic organisms

12.5 Results of PBT and vPvB assessment

PBT: Not applicable.

vPvB: Not applicable.

12.6 Other adverse effects No further relevant information available.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Recommendation

Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

Hand over to disposers of hazardous waste.

(Contd. on page 7)

Safety data sheet

according to 1907/2006/EC, Article 31

Page 7/8

Printing date 11.01.2018

Revision: 11.01.2018

Version number 2

Trade name: frisch-aktiv Schnell-Entkalker 2x15g

(Contd. of page 6)

Consult the appropriate authorities about waste disposal.

Waste disposal key number:

Recommendation:

Send to a hazardous waste incinerator facility under observation of official regulations.

European waste catalogue

06 01 99	wastes not otherwise specified
----------	--------------------------------

Uncleaned packagings:

Recommendation:

Packaging can be reused or recycled after cleaning.

Dispose of packaging according to regulations on the disposal of packagings.

Recommended cleaning agent: Water, if necessary with cleaning agent.

SECTION 14: Transport information

14.1 UN-Number
ADR, IMDG, IATA

UN2967

14.2 UN proper shipping name
ADR
IMDG, IATA

2967 SULPHAMIC ACID mixture
SULPHAMIC ACID mixture

14.3 Transport hazard class(es)
ADR, IMDG, IATA



Class
Label

8 Corrosive substances.
8

14.4 Packing group
ADR, IMDG, IATA

III

14.5 Environmental hazards:

Not applicable.

14.6 Special precautions for user
Kemler Number:
EMS Number:
Segregation groups

Warning: Corrosive substances.
80
F-A,S-B
Acids

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

Not applicable.

Transport/Additional information:

ADR

Limited quantities (LQ)
Excepted quantities (EQ)

5 kg
Code: E1
Maximum net quantity per inner packaging: 30 g
Maximum net quantity per outer packaging: 1000 g
3

Transport category

(Contd. on page 8)

Safety data sheet

according to 1907/2006/EC, Article 31

Page 8/8

Printing date 11.01.2018

Revision: 11.01.2018

Version number 2

Trade name: frisch-aktiv Schnell-Entkalker 2x15g

(Contd. of page 7)

Tunnel restriction code	E
IMDG	
Limited quantities (LQ)	5 kg
Excepted quantities (EQ)	Code: E1 Maximum net quantity per inner packaging: 30 g Maximum net quantity per outer packaging: 1000 g
UN "Model Regulation":	UN 2967 SULPHAMIC ACID MIXTURE, 8, III

SECTION 15: Regulatory information

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

Directive 2012/18/EU

Named dangerous substances - ANNEX I None of the ingredients is listed.

National regulations

Information about limitation of use:

Employment restrictions concerning young persons must be observed.

Employment restrictions concerning pregnant and lactating women must be observed.

Water hazard class: Water hazard class 1 (Self-assessment): slightly hazardous for water.

15.2 Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

SECTION 16: Other information

These data are based on our present knowledge. However, they shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

Relevant phrases

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H412 Harmful to aquatic life with long lasting effects.

Department issuing data specification sheet: Quality Assurance

Abbreviations and acronyms:

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

DNEL: Derived No-Effect Level (REACH)

PNEC: Predicted No-Effect Concentration (REACH)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

Skin Irrit. 2: Skin corrosion/irritation – Category 2

Eye Irrit. 2: Serious eye damage/eye irritation – Category 2

Aquatic Chronic 3: Hazardous to the aquatic environment - long-term aquatic hazard – Category 3

*** Data compared to the previous version altered.**