

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 05.07.2018

Version number 4

Revision: 05.07.2018

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

1.1 Product identifier

Trade name **CLEAN AC [basic]**

Article number: 0672

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 Cleaning agent/ Cleaner

Uses advised against No further relevant information available.

1.3 Details of the supplier of the safety data sheet

Manufacturer/Supplier:

Remmers GmbH
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D-49624 Lönningen / Germany
Tel.: +49(0)5432/83-0
Fax: +49(0)5432/3985

Remmers (UK) Limited
Unit B1 The Fleming Centre
West Sussex RH10 9NN
fon +44 (0) 1293 594 010
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Information department:

Product Safety department: Tel.: Steve Dunn Tel.: +44 (0) 1293 594 010
E-Mail: sales@remmers.co.uk

1.4 Emergency telephone number:

during working hours:

U.K.: Tel.: +44 (0) 1293 594 010

sales@remmers.co.uk

Head Office Germany: Tel.: +49 (0)5432 83 187

info@remmers.de

after working hours: Tel.: +49 (0)171 21 34 091

24h-Transport Emergency Contact Phone Number:

within USA and Canada: 1-800-424-9300

outside USA and Canada: 001-703-527-3887

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008

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.

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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.
 P103 Read label before use.
 P273 Avoid release to the environment.
 P280 Wear protective gloves/protective clothing/eye protection/face 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.
 P312 Call a POISON CENTER/doctor if you feel unwell.
 P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

2.3 Other hazards**Results of PBT and vPvB assessment**

PBT: Not applicable.

vPvB: Not applicable.

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	80-100%
EINECS: 226-218-8	Skin Irrit. 2, H315; Eye Irrit. 2, H319; Aquatic Chronic 3, H412	
Index number: 016-026-00-0		
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** When symptoms occur or in case of doubt, seek medical advice**After inhalation**Take affected persons into the open air and position comfortably
In case of unconsciousness bring patient into stable side position for transport.**After skin contact**If skin irritation continues, consult a doctor.
Wash immediately with water and soap and rinse thoroughly.**After eye contact**

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

After swallowing Seek immediate medical advice.**4.2 Most important symptoms and effects, both acute and delayed**

In case of prolonged/repeated exposure or in high concentrations:

Irritating effect on skin and eyes.
Irritating effect on respiratory organs.**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**

May be released in case of fire

Sulphur dioxide (SO₂)Nitrogen oxides (NO_x)**5.3 Advice for firefighters****Protective equipment:**Wear self-contained breathing apparatus.
Wear full protective suit.

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SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation

6.2 Environmental precautions:

Do not allow to enter the ground/soil.

Do not allow product to reach sewage system or water bodies.

Inform responsible authorities in case product reaches bodies of water or sewage system.

6.3 Methods and material for containment and cleaning up:

Send for recovery or disposal in suitable containers.

Dispose of contaminated material as waste according to item 13.

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 No special precautions necessary if used correctly.

Information about protection against explosions and fires: No special requirements.

7.2 Conditions for safe storage, including any incompatibilities

Storage

Requirements to be met by storerooms and containers: No special requirements.

Further information about storage conditions:

Protect from humidity and keep away from water.

Keep container tightly closed.

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 limit values that require monitoring at the workplace:

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

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

8.2 Exposure controls

Personal protective equipment

General protective and hygienic measures

Do not eat, drink or smoke while working.

Use skin protection cream for preventive skin protection.

Keep away from food, beverages and animal feed.

Immediately remove soiled, saturated clothing.

Wash hands before pauses and after work.

Avoid contact with eyes and skin.

Respiratory equipment: not required.

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

Nitrile rubber, NBR

Chloroprene rubber, CR

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

Penetration time of glove material

The determined penetration times according to EN 374 part III are not performed under practical conditions. Therefore a maximum wearing time, which corresponds to 50% of the penetration time, is recommended.

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The exact break trough 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:	Granulate
Colour:	White
Odour:	Odourless
Odour threshold:	Not determined.
pH-value at 20 °C:	0.8 10% solution
Change in condition	
Melting point/freezing point:	205 °C
Initial boiling point and boiling range:	Not determined
Flash point:	Not applicable
Inflammability (solid, gaseous)	Not determined.
Ignition temperature:	not applicable
Decomposition temperature:	> 200 °C
Self-inflammability:	Product is not self-igniting.
Explosive properties:	Product is not explosive.
Explosive Limits:	
Lower:	Not determined.
Upper:	Not determined.
Vapour pressure:	Not applicable.
Density at 20 °C:	2.122 g/cm ³
Bulk apparent density	600 kg/m ³
Relative density	Not determined.
Vapour density	Not applicable.
Evaporation rate	Not applicable.
Solubility in / Miscibility with	
Water at 20 °C:	150 g/l
Distribution coefficient (n-octanol/water):	Not determined.
Viscosity:	
dynamic:	Not applicable.
kinematic:	Not applicable.
Solid 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 handled and stored according to specifications.

10.3 Possibility of hazardous reactions

Reacts with strong oxidising agents

Forms hydrogen in aqueous solution with metals

10.4 Conditions to avoid No further relevant information available.

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10.5 Incompatible materials: No further relevant information available.**10.6 Hazardous decomposition products:**

May be released in fire:

Sulphur dioxide

Nitrogen oxides (NO_x)

Nitrous vitriol gases

Ammonia

SECTION 11: Toxicological information

11.1 Information on toxicological effects**Acute toxicity:** Based on available data, the classification criteria are not met.**LD/LC50 values that are relevant for classification:**

Oral	LD50	3,160 mg/kg (rat)
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CAS: 5329-14-6 Sulphamidic Acid

Oral	LD50	3,160 mg/kg (rat)
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Skin corrosion/irritation:

Causes skin irritation.

Serious eye damage/irritation:

Causes serious eye irritation.

Sensitisation: Based on available data, the classification criteria are not met.**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:** No further relevant information available.**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:**

If the product is not neutralised, pay attention to the pH value: toxic effect for fish and bacteria commences at a pH value below 6 and increases as the pH value decreases. After neutralisation, the less harmful effects of the amidosulphuric acid apply for fish and bacteria.

Harmful to fish

Remark:

When leading acidic or alkaline products into sewage facilities, make sure that the discharged water does not exceed or fall below a pH range of 6 - 10 since shifts in pH value can cause disturbances in sewers and biological purification facilities. The local guidelines for discharge apply.

Additional ecological information:**General notes:**

Do not allow product to reach ground water, bodies of water or sewage system.

Harmful to aquatic organisms

Do not allow undiluted or larger quantities of the product to reach ground water, bodies of water or sewage system.

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

Recommendation

The given refuse codes are recommendations based upon the intended use of the product. Because of special use and disposal conditions at the user's, other codes may apply under other conditions.

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European waste catalogue	
20 01 14*	acids



Uncleaned packaging:**Recommendation:**

Disposal must be made according to official regulations.

Packaging can be reused or recycled after cleaning.

*

SECTION 14: Transport information

14.1 UN-Number ADR, IMDG, IATA	UN1759
14.2 UN proper shipping name ADR	1759 CORROSIVE SOLID, N.O.S. (SULPHAMIC ACID)
IMDG, IATA	CORROSIVE SOLID, N.O.S. (SULPHAMIC ACID)
14.3 Transport hazard class(es) ADR	
	
Class Label	8 (C2) Corrosive substances. 8
IMDG, IATA	
	
Class Label	8 Corrosive substances. 8
14.4 Packing group ADR, IMDG, IATA	III
14.5 Environmental hazards: Marine pollutant:	- No
14.6 Special precautions for user hazard identification number: EMS Number: Stowage Category	Warning: Corrosive substances. 80 F-A,S-B A
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
Transport category Tunnel restriction code	3 E
IMDG Limited quantities (LQ)	5 kg

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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 1759 CORROSIVE SOLID, N.O.S. (SULPHAMIC ACID), 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

Other regulations, limitations and prohibition ordinances

Corrosive properties are set free when worked with water; therefore experience is expected of the user and our notes on working are to be observed.

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

SECTION 16: Other information

Delivery specifications are found in the respective Technical Information Sheets.

This data is based on our present state of knowledge. However, it does not constitute a guarantee for any specific product features and does 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: Product Safety department / EHS

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)

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