Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 06.12.2022 Version number 6 (replaces version 5) Revision: 06.12.2022

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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

1.3 Details of the supplier of the safety data sheet

Manufacturer/Supplier:

Remmers GmbH
Bernhard-Remmers-Str. 13
D-49624 Löningen / Germany
Tel.: +49(0)5432/83-0
Fax: +49(0)5432/3985

Remmers (UK) Limited
Unit 4 , Lloyds Court
Manor Royal, Crawley – West Sussex RH10 9QU
fon +44 (0) 1293 594 010
fax +44 (0) 1293 594 037

Information department:
Product Safety department: Phone: +44 (0) 1293 594 010
Email: sales@remmers.co.ukk

1.4 Emergency telephone number:

National Poisons Information Service (NPIS):
In England and Wales: NHS 111 - dial 111
In Scotland: NHS 24 - dial 111

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 GB 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.

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P103	Read carefully and follow all instructions.
P273	Avoid release to the environment.
P280	Wear protective gloves/protective clothing/eye protection/face protection/hearing 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.

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SECTION 3: Composition/information on ingredients

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

Dangerous components [% w/w]:		
CAS: 5329-14-6 EINECS: 226-218-8 Index number: 016-026-00-0 Reg.nr.: 01-2119846728-23-XXXX	Sulphamidic Acid Skin Irrit. 2, H315; Eye Irrit. 2, H319; Aquatic Chronic 3, H412	≥85-100%

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

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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 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
symptomatic treatment

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 (SO_2)
Nitrogen oxides (NOx)
5.3 Advice for firefighters
Protective equipment:
Wear self-contained breathing apparatus.
Wear full protective suit.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures
Ensure adequate ventilation

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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.

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SECTION 7: Handling and storage

7.1 Precautions for safe handling
No special measures required.
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.

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SECTION 8: Exposure controls/personal protection

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
Appropriate engineering controls No further data; see item 7.
Individual protection measures, such as 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.
The following indication regarding the personal protective equipment are to be considered as suggestions.The selection of the necessary personal protective equipment is to be evalutated by the employer depending on the types of operations and the local circumstances.If a risk assessment on-site shows that there is no risk for employees, the personal protective euiqment is not required or the amount of the PPE can be adpated accordingly.
Respiratory equipment: not required.
Hand protection
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.

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Penetration time of glove material
The determined penetration times according to EN 16523-1:2015 are not performed under practical conditions. Therefore a maximum wearing time, which corresponds to 50% of the penetration time, is recommended.
The exact break trough time has to be found out by the manufacturer of the protective gloves and has to be observed.
Eye/face protection Tightly sealed safety glasses.
Body protection: Protective work clothing.

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SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties	
General Information	
Physical state	Solid.
Colour:	White
Odour:	Odourless
Odour threshold:	Not determined.
Melting point/freezing point:	205 °C
Boiling point or initial boiling point and boiling range	Not determined
Flammability	Not determined.
Lower and upper explosion limit	
Lower:	Not determined.
Upper:	Not determined.
Flash point:	Not applicable
Ignition temperature:	not applicable
Decomposition temperature:	> 200 °C
pH at 20 °C	0.8 10% solution
Viscosity:	
Kinematic viscosity	Not applicable.
dynamic:	Not applicable.
Solubility	
Water at 20 °C:	150 g/l
Partition coefficient n-octanol/water (log value)	Not determined.
Vapour pressure:	Not applicable.
Density and/or relative density	
Density at 20 °C:	2.122 g/cm³
Relative density	Not determined.
Bulk apparent density	600 kg/m³
Vapour density	Not applicable.
Particle characteristics	See item 3.
9.2 Other information	
Appearance:	
Form:	Granulate
Important information on protection of health and environment, and on safety.	
Explosive properties:	Product is not explosive.
VOC EU	
Solid content:	100.0 %
Change in condition	
Evaporation rate	Not applicable.
Information with regard to physical hazard classes	
Explosives	Void
Flammable gases	Void
Aerosols	Void
Oxidising gases	Void
Gases under pressure	Void

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Flammable liquids	Void
Flammable solids	Void
Self-reactive substances and mixtures	Void
Pyrophoric liquids	Void
Pyrophoric solids	Void
Self-heating substances and mixtures	Void
Substances and mixtures, which emit flammable gases in contact with water	Void
Oxidising liquids	Void
Oxidising solids	Void
Organic peroxides	Void
Corrosive to metals	Void
Desensitised explosives	Void

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.
10.5 Incompatible materials: No further relevant information available.
10.6 Hazardous decomposition products:
May be released in fire:
Sulphur dioxide
Nitrogen oxides (NOx)
Nitrous vitriol gases
Ammonia

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SECTION 11: Toxicological information

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

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

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.
11.2 Information on other hazards

Endocrine disrupting properties
None of the ingredients is listed.

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.

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12.4 Mobility in soil No further relevant information available.
12.5 Results of PBT and vPvB assessment
PBT: Not applicable.
vPvB: Not applicable.
12.6 Endocrine disrupting properties
The product does not contain substances with endocrine disrupting properties.
12.7 Other adverse 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 fo water or sewage system.

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.

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 or ID 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 8 (C2) Corrosive substances.
Label 8

IMDG, IATA

Class 8 Corrosive substances.

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Label	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 Maritime transport in bulk according to IMO instruments	Not applicable.
Transport/Additional information:	
ADR	
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
Transport category	3
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 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.

DIRECTIVE 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment – Annex II
None of the ingredients is listed.

REGULATION (EU) 2019/1148

Annex I - RESTRICTED EXPLOSIVES PRECURSORS (Upper limit value for the purpose of licensing under Article 5(3))
None of the ingredients is listed.

Annex II - REPORTABLE EXPLOSIVES PRECURSORS
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.

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SECTION 16: Other information

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.
Delivery specifications are found in the respective Technical Information Sheets.

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Relevant phrases
H315 Causes skin irritation.
H319 Causes serious eye irritation.
H412 Harmful to aquatic life with long lasting effects.
Classification according to Regulation (EC) No 1272/2008 Calculation method

Department issuing data specification sheet: Product Safety department / EHS
Date of previous version: 30.04.2021
Version number of previous version: 5
Abbreviations and acronyms:
ADR: Accord relatif au transport international 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