

Safety Data Sheet

according to Regulation (EC) No 1907/2006

GROUT CLEANER

Print date: 04.03.2022

Revision date: 04.03.2022

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

1.1. Product identifier

GROUT CLEANER

UFI: AM5H-751C-XEJW-V2NQ

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

1.3. Details of the supplier of the safety data sheet

Company name: ARCORA International GmbH
Street: Marsstraße 9
Place: D-85609 Aschheim
Telephone: +49 (0)89 / 14 33 29 3-0 Telefax: +49 (0)89 / 14 33 29 3-29
e-mail: info@arcora.de

1.4. Emergency telephone number: Giftnotruf der Charité - Universitätsmedizin Berlin -24H- Tel.: 030 30686700

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Regulation (EC) No. 1272/2008

Hazard categories:

Skin corrosion/irritation: Skin Corr. 1C

Serious eye damage/eye irritation: Eye Dam. 1

Hazard Statements:

Causes severe skin burns and eye damage.

Causes serious eye damage.

2.2. Label elements

Regulation (EC) No. 1272/2008

Hazard components for labelling

Quartäres C12-14 alkylmethyloaminethoxylatmethylchlorid

Ameisensäure 85%

Signal word: Warning

Pictograms:



Hazard statements

H314 Causes severe skin burns and eye damage.

H318 Causes serious eye damage.

Precautionary statements

P264 Wash mit Wasser thoroughly after handling.

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

P302+P352 IF ON SKIN: Wash with plenty of Wasser.

P321 Specific treatment (see Hinweis on this label).

P332+P313 If skin irritation occurs: Get medical advice/attention.

P362+P364 Take off contaminated clothing and wash it before reuse.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if

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present and easy to do. Continue rinsing.
Immediately call a POISON CENTER/doctor.

2.3. Other hazards

No information available.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Hazardous components

CAS No	Chemical name			Quantity
	EC No	Index No	REACH No	
	GHS Classification			
68439-46-3	C9-11 Alkoholethoxylat			35 - < 40 %
	Eye Irrit. 2; H319			
1554325-20-0	Quartäres C12-14 alkylmethylaminethoxylatmethylchlorid			20 - < 25 %
	Acute Tox. 4, Skin Irrit. 2, Eye Dam. 1; H302 H315 H318			
5949-29-1	Zitronensäure-Monohydrat monohydrat E330 I-Ware			5 - < 10 %
	201-069-1		01-2119457026-42	
	Eye Irrit. 2; H319			
64-18-6	Ameisensäure 85%			1 - < 5 %
	200-579-1		01-2119491174-37	
	Acute Tox. 3, Acute Tox. 4, Skin Corr. 1B, Eye Dam. 1; H331 H302 H314 H318 EUH071			

Full text of H and EUH statements: see section 16.

Specific Conc. Limits, M-factors and ATE

CAS No	EC No	Chemical name	Quantity
		Specific Conc. Limits, M-factors and ATE	
68439-46-3		C9-11 Alkoholethoxylat	35 - < 40 %
		inhalation: Data lacking (gases); dermal: Data lacking; oral: LD50 = > 2 000 mg/kg	
1554325-20-0		Quartäres C12-14 alkylmethylaminethoxylatmethylchlorid	20 - < 25 %
		inhalation: Data lacking (gases); dermal: Data lacking; oral: LD50 = > 300 - 2 000 mg/kg	
5949-29-1	201-069-1	Zitronensäure-Monohydrat monohydrat E330 I-Ware	5 - < 10 %
		inhalation: Data lacking (gases); dermal: Data lacking; oral: Data lacking	
64-18-6	200-579-1	Ameisensäure 85%	1 - < 5 %
		inhalation: LC50 = 7,85 mg/l (vapours); inhalation: ATE = 0,5 mg/l (dusts or mists); oral: LD50 = 730 mg/kg	

Labelling for contents according to Regulation (EC) No 648/2004

>= 30 % non-ionic surfactants, 15 % - < 30 % cationic surfactants.

SECTION 4: First aid measures

4.1. Description of first aid measures

General information

First aider: Pay attention to self-protection! Remove affected person from the danger area and lay down.

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After inhalation

Provide fresh air. Medical treatment necessary.

After contact with skin

After contact with skin, wash immediately with plenty of water and soap. Take off immediately all contaminated clothing and wash it before reuse. If skin irritation occurs: Get medical advice/attention.

After contact with eyes

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

Observe risk of aspiration if vomiting occurs. Rinse mouth immediately and drink 1 glass of water. Do NOT induce vomiting. Adverse human health effects and symptoms: Gastric perforation. Call a physician immediately. Do not allow a neutralisation agent to be drunk.

4.2. Most important symptoms and effects, both acute and delayed

No information available.

4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Co-ordinate fire-fighting measures to the fire surroundings.

5.2. Special hazards arising from the substance or mixture

Non-flammable.

5.3. Advice for firefighters

Wear a self-contained breathing apparatus and chemical protective clothing. Full protection suit.

Additional information

Suppress gases/vapours/mists with water spray jet. Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General advice

Provide adequate ventilation. Do not breathe gas/fumes/vapour/spray. Avoid contact with skin, eyes and clothes. Use personal protection equipment.

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 cleaning up

Absorb with liquid-binding material (sand, diatomaceous earth, acid- or universal binding agents). Treat the recovered material as prescribed in the section on waste disposal.

Other information

Absorb with liquid-binding material (sand, diatomaceous earth, acid- or universal binding agents). Treat the recovered material as prescribed in the section on waste disposal.

6.4. Reference to other sections

Safe handling: see section 7

Personal protection equipment: see section 8

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Disposal: see section 13

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling

No special measures are necessary.

Advice on protection against fire and explosion

No special fire protection measures are necessary.

Advice on general occupational hygiene

Remove contaminated, saturated clothing immediately. Draw up and observe skin protection programme. Wash hands and face before breaks and after work and take a shower if necessary. When using do not eat, drink, smoke, sniff. Remove contaminated, saturated clothing immediately. Draw up and observe skin protection programme. Wash hands and face before breaks and after work and take a shower if necessary. When using do not eat, drink, smoke, sniff.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Keep container tightly closed. Keep locked up. Store in a place accessible by authorized persons only. Provide adequate ventilation as well as local exhaust at critical locations.

Hints on joint storage

No special measures are necessary.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Occupational exposure limit values

CAS No	Name of agent	ppm	mg/m ³	fib/cm ³	Category	Origin
64-18-6	Formic acid	5	9		TWA (8 h)	

DNEL/DMEL values

CAS No	Name of agent	Exposure route	Effect	Value
64-18-6	Ameisensäure 85%			
Worker DNEL, acute		inhalation	local	19 mg/m ³
Worker DNEL, long-term		inhalation	local	9,5 mg/m ³
Consumer DNEL, acute		inhalation	local	3 mg/m ³
Consumer DNEL, long-term		inhalation	local	9,5 mg/m ³

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PNEC values

CAS No	Name of agent	
Environmental compartment		Value
5949-29-1	Zitronensäure-Monohydrat monohydrat E330 I-Ware	
Freshwater		0,44 mg/l
Marine water		0,044 mg/l
Freshwater sediment		34,6 mg/kg
Marine sediment		3,46 mg/kg
Micro-organisms in sewage treatment plants (STP)		1.000 mg/l
Soil		33,1 mg/kg
64-18-6	Ameisensäure 85%	
Freshwater		2 mg/l
Marine water		0,2 mg/l
Freshwater sediment		13,4 mg/kg
Marine sediment		1,34 mg/kg
Micro-organisms in sewage treatment plants (STP)		7,2 mg/l
Soil		1,5 mg/kg

8.2. Exposure controls



Individual protection measures, such as personal protective equipment

Eye/face protection

Suitable eye protection: goggles.

Hand protection

When handling with chemical substances, protective gloves must be worn with the CE-label including the four control digits. 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. For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.

Skin protection

Use of protective clothing.

Respiratory protection

In case of inadequate ventilation wear respiratory protection.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state:	Liquid
Colour:	transparent
Odour:	characteristic

Changes in the physical state

Melting point/freezing point:	not determined
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Boiling point or initial boiling point and boiling range:

not determined

Flash point:

100 °C

Flammability

Solid/liquid:

not applicable

Gas:

not applicable

Explosive properties

The product is not: Explosive.

Lower explosion limits:

not determined

Upper explosion limits:

not determined

Auto-ignition temperature:

not determined

Decomposition temperature:

not determined

Oxidizing properties

The product is not: oxidising.

pH-Value (at 20 °C):

2,1

Water solubility:

easily soluble

Solubility in other solvents

not determined

Partition coefficient n-octanol/water:

not determined

Vapour pressure:

not determined

Density (at 20 °C):

1,01 g/cm³

Relative vapour density:

not determined

9.2. Other information

Other safety characteristics

Solid content:

not determined

Evaporation rate:

not determined

Further Information

SECTION 10: Stability and reactivity

10.1. Reactivity

No hazardous reaction when handled and stored according to provisions.

10.2. Chemical stability

The product is stable under storage at normal ambient temperatures.

10.3. Possibility of hazardous reactions

No known hazardous reactions.

10.4. Conditions to avoid

none

10.5. Incompatible materials

No information available.

10.6. Hazardous decomposition products

No known hazardous decomposition products.

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SECTION 11: Toxicological information

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

Acute toxicity

CAS No	Chemical name				
	Exposure route	Dose	Species	Source	Method
68439-46-3	C9-11 Alkoholethoxylat				
	oral	LD50 > 2 000 mg/kg	Ratte		
	dermal	Data lacking			
	inhalation	Data lacking			
1554325-20-0	Quartäres C12-14 alkylmethylaminethoxylatmethylchlorid				
	oral	LD50 > 300 - 2 000 mg/kg	Ratte		
	dermal	Data lacking			
	inhalation	Data lacking			
5949-29-1	Zitronensäure-Monohydrat monohydrat E330 I-Ware				
	oral	Data lacking			
	dermal	Data lacking			
	inhalation	Data lacking			
64-18-6	Ameisensäure 85%				
	oral	LD50 730 mg/kg	Ratte		
	inhalation (4 h) vapour	LC50 7,85 mg/l	Ratte		
	inhalation aerosol	ATE 0,5 mg/l			

Further information

The mixture is classified as hazardous according to regulation (EC) No 1272/2008 [CLP].

SECTION 12: Ecological information

12.1. Toxicity

The product is not: Ecotoxic.

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CAS No	Chemical name					
	Aquatic toxicity	Dose	[h] [d]	Species	Source	Method
68439-46-3	C9-11 Alkoholethoxylat					
	Acute fish toxicity	LC50 1-10 mg/l	96 h	Oncorhynchus mykiss		OECD Prüfrichtlinie 203
	Acute algae toxicity	ErC50 1-10 mg/l	72 h	Skeletonema costatum		
	Acute crustacea toxicity	EC50 1-10 mg/l	48 h	Daphnia magna		
1554325-20-0	Quartäres C12-14 alkylmethyaminethoxylatmethylchlorid					
	Acute fish toxicity	LC50 > 10 - 100 mg/l	96 h	Fisch		
	Acute algae toxicity	ErC50 > 1 - 10 mg/l	72 h	Algen		
	Acute crustacea toxicity	EC50 > 1 - 10 mg/l	48 h	Daphnia		
5949-29-1	Zitronensäure-Monohydrat monohydrat E330 I-Ware					
	Acute algae toxicity	ErC50 1,535 mg/l		Daphnia magna)		
	Acute crustacea toxicity	EC50 440 mg/l	48 h	Leuciscus idus		
64-18-6	Ameisensäure 85%					
	Acute fish toxicity	LC50 46 - 100 mg/l	96 h	Leuciscus idus	IUCLID	
	Acute algae toxicity	ErC50 72 mg/l	72 h	Desmodesmus subspicatus		
	Acute crustacea toxicity	EC50 32 mg/l	48 h	Daphnia magna	IUCLID	

12.2. Persistence and degradability

The product has not been tested.

This product has not been tested.				
CAS No	Chemical name			
	Method	Value	d	Source
	Evaluation			
5949-29-1	Zitronensäure-Monohydrat monohydrat E330 I-Ware			
	OECD 301 B	97%	28	

12.3. Bioaccumulative potential

The product has not been tested.

Partition coefficient n-octanol/water

CAS No	Chemical name	Log Pow
64-18-6	Ameisensäure 85%	-0,54

12.4. Mobility in soil

The product has not been tested.

12.5. Results of PBT and vPvB assessment

The product has not been tested.

12.7. Other adverse effects

No information available.

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Further information

Avoid release to the environment.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Disposal recommendations


Do not allow to enter into surface water or drains. Dispose of waste according to applicable legislation.

Contaminated packaging


Wash with plenty of water. Completely emptied packages can be recycled.

SECTION 14: Transport information

Land transport (ADR/RID)

14.1. UN number or ID number:	UN 3265
14.2. UN proper shipping name:	CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S.
14.3. Transport hazard class(es):	8
14.4. Packing group:	III
Hazard label:	8
	
Classification code:	C3
Special Provisions:	274
Limited quantity:	5 L
Excepted quantity:	E1
Transport category:	3
Hazard No:	80
Tunnel restriction code:	E

Inland waterways transport (ADN)

14.1. UN number or ID number:	UN 3265
14.2. UN proper shipping name:	CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S.
14.3. Transport hazard class(es):	8
14.4. Packing group:	III
Hazard label:	8
	
Classification code:	C3
Special Provisions:	274
Limited quantity:	5 L
Excepted quantity:	E1

Classification code:	C3
Special Provisions:	274
Limited quantity:	5 L
Excepted quantity:	E1

Marine transport (IMDG)

14.1. UN number or ID number:	UN 3265
14.2. UN proper shipping name:	ÄTZENDER SAURER ORGANISCHER FLÜSSIGER STOFF, N.A.G.
14.3. Transport hazard class(es):	8
14.4. Packing group:	III

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Hazard label:

8



Special Provisions:

223, 274

Limited quantity:

5 L

Excepted quantity:

E1

EmS:

F-A, S-B

Segregation group:

1 - acids

Air transport (ICAO-TI/IATA-DGR)

14.1. UN number or ID number:

UN 3265

14.2. UN proper shipping name:

ÄTZENDER SAURER ORGANISCHER FLÜSSIGER STOFF, N.A.G.

14.3. Transport hazard class(es):

8

14.4. Packing group:

III

Hazard label:

8



Special Provisions:

A3 A803

Limited quantity Passenger:

1 L

Passenger LQ:

Y841

Excepted quantity:

E1

IATA-packing instructions - Passenger:

852

IATA-max. quantity - Passenger:

5 L

IATA-packing instructions - Cargo:

856

IATA-max. quantity - Cargo:

60 L

14.6. Special precautions for user

No information available.

14.7. Maritime transport in bulk according to IMO instruments

not applicable

SECTION 15: Regulatory information

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

EU regulatory information

Restrictions on use (REACH, annex XVII):

Entry 3

2010/75/EU (VOC):

1,5 % (15,15 g/l)

Information according to 2012/18/EU
(SEVESO III):

Not subject to 2012/18/EU (SEVESO III)

Additional information

Regulation (EC) No. 648/2004 (Detergents regulation).

National regulatory information

Employment restrictions:

Observe restrictions to employment for juveniles according to the 'juvenile work protection guideline' (94/33/EC).

Water hazard class (D):

1 - slightly hazardous to water

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15.2. Chemical safety assessment

Chemical safety assessments for substances in this mixture were not carried out.

SECTION 16: Other information

Changes

This data sheet contains changes from the previous version in section(s): 1.

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 Harmonized 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
LC50: Lethal concentration, 50%
LD50: Lethal dose, 50%
CLP: Classification, labelling and Packaging
REACH: Registration, Evaluation and Authorization of Chemicals
GHS: Globally Harmonised System of Classification, Labelling and Packaging of Chemicals
UN: United Nations
DNEL: Derived No Effect Level
DMEL: Derived Minimal Effect Level
PNEC: Predicted No Effect Concentration
ATE: Acute toxicity estimate
LL50: Lethal loading, 50%
EL50: Effect loading, 50%
EC50: Effective Concentration 50%
ErC50: Effective Concentration 50%, growth rate
NOEC: No Observed Effect Concentration
BCF: Bio-concentration factor
PBT: persistent, bioaccumulative, toxic
vPvB: very persistent, very bioaccumulative
RID: Regulations concerning the international carriage of dangerous goods by rail
ADN: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
(Accord européen relatif au transport international des marchandises dangereuses par voies de navigation intérieures)
EmS: Emergency Schedules
MFAG: Medical First Aid Guide
ICAO: International Civil Aviation Organization
MARPOL: International Convention for the Prevention of Marine Pollution from Ships
IBC: Intermediate Bulk Container
VOC: Volatile Organic Compounds
SVHC: Substance of Very High Concern
For abbreviations and acronyms, see table at <http://abbrev.esdscom.eu>

Classification for mixtures and used evaluation method according to regulation (EC) No. 1272/2008 [CLP]

Classification	Classification procedure
Skin Corr. 1C; H314	
Eye Dam. 1; H318	Calculation method

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Relevant H and EUH statements (number and full text)

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.
H331	Toxic if inhaled.
EUH071	Corrosive to the respiratory tract.

Further Information

The information is based on the present level of our knowledge. It does not, however, give assurance of product properties and establishes no contract legal rights. The receiver of our product is singularly responsible for adhering to existing laws and regulations.

(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)