

Fugen-Reiniger

Safety Data Sheet

according to Regulation (EU) 2015/830

Revision date: 2019/11/12 Version: 7.0



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

1.1. Product identifier

Product form : Mixture
Trade name : Fugen-Reiniger

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

1.2.1. Relevant identified uses

Intended for general public
Main use category : Professional use, Consumer use
Use of the substance/mixture : Cleaning agent

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Manufacturer

Knauf Bauprodukte GmbH & Co. KG
Am Bahnhof 7
P.O. Box 10
97346 Iphofen - Deutschland
T +49 9323 31-0 - F +49 9323 31-323
www.knauf-bauprodukte.de
E-mail address of competent person responsible for the SDS : sds-info@knauf.de

Technical information

Technical information service Knauf Bauprodukte
T +49 (0) 1805/31-9000 (0,14 €/Min. aus dem deutschen Festnetz,
Mobilfunk max. 0,42€/Min. möglich)
KnaufBP-Direkt@Knauf-Bauprodukte.de

1.4. Emergency telephone number

No additional information available

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

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

Met. Corr. 1 H290
Skin Corr. 1 H314
Eye Dam. 1 H318

Full text of hazard classes and H-statements : see section 16

Adverse physicochemical, human health and environmental effects

May be corrosive to metals. Causes severe skin burns and eye damage.

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP] Extra labelling to display Extra classification(s) to display

Hazard pictograms (CLP) :



GHS05

Signal word (CLP) : Danger
Hazardous ingredients : disodium metasilicate, pentahydrate; Alcohols, C9-11 ethoxylated

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Hazard statements (CLP)	: H290 - May be corrosive to metals. H314 - Causes severe skin burns and eye damage.
Precautionary statements (CLP)	: P102 - Keep out of reach of children. P260 - Do not breathe dust/fume/gas/mist/vapours/spray. P280 - Wear protective gloves/protective clothing/eye protection/face protection. 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 . 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 or doctor. P501 - Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.
Extra phrases	: Regulation (EC) No. 648/2004 of 31 March 2004 on detergents < 5 % non-ionic surfactants perfumes Limonene

2.3. Other hazards

PBT: not relevant – no registration required

vPvB: not relevant – no registration required

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
disodium metasilicate, pentahydrate	(CAS-No.) 10213-79-3 (EC-No.) 229-912-9 (EC Index-No.) 014-010-00-8 (REACH-no) 01-2119449811-37	1 - < 5	Met. Corr. 1, H290 Skin Corr. 1B, H314 STOT SE 3, H335
Alcohols, C9-11 ethoxylated	(CAS-No.) 68439-46-3	1 - < 5	Acute Tox. 4 (Oral), H302 Eye Dam. 1, H318
Amines, C12-14 (even numbered)-alkyldimethyl, N-oxides	(CAS-No.) 308062-28-4 (EC-No.) 931-292-6 (REACH-no) 01-2119490061-47	0,1 - < 1	Acute Tox. 4 (Oral), H302 Skin Irrit. 2, H315 Eye Dam. 1, H318 Aquatic Acute 1, H400 Aquatic Chronic 2, H411
Amines, N-(C16-18 (even numbered) and C18-unsatd. alkyl) trimethylenedi-, ethoxylated(NLP)	(CAS-No.) 1290049-56-7 (EC-No.) 800-029-6 (REACH-no) 01-2119962190-43	0,1 - < 1	Acute Tox. 4 (Oral), H302 Skin Corr. 1A, H314 Eye Dam. 1, H318 STOT RE 1, H372 Aquatic Acute 1, H400 (M=10) Aquatic Chronic 1, H410

Full text of H-statements: see section 16

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general	: Move the affected person away from the contaminated area. When in doubt or if symptoms are observed, get medical advice. Protection for the first aid staff.
First-aid measures after inhalation	: Remove the victim into fresh air. If breathing stops, give artificial respiration. IN ALL CASES CONSULT A DOCTOR!.
First-aid measures after skin contact	: After contact with skin, wash immediately and thoroughly with polyethylene glycol, followed by plenty of water. Take off immediately all contaminated clothing and wash it before reuse. If skin irritation occurs: Get medical advice/attention.
First-aid measures after eye contact	: In case of eye contact, immediately rinse with clean water for 10-15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Consult an eye specialist.

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First-aid measures after ingestion : Rinse mouth out with water. Immediately give plenty of water. Never attempt to induce vomiting : risk of inhalation. Potential adverse human health effects and symptoms. Gastric perforation. Get medical advice/attention. Do not use neutralisation products.

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

Symptoms/effects : Causes severe skin burns and eye damage.

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 : Adapt extinguishing media to the environment. Water spray. Foam. Carbon dioxide.

Unsuitable extinguishing media : Strong water jet.

5.2. Special hazards arising from the substance or mixture

Fire hazard : Not flammable.

5.3. Advice for firefighters

Protection during firefighting : Use self-contained breathing apparatus and chemically protective clothing. Full suit.

Other information : Use water spray to disperse the vapours. Do not allow run-off from fire fighting to enter drains or water courses.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures : Ensure adequate air ventilation. Do not breathe gas/fumes/vapour/spray. Avoid contact with skin, eyes and clothing. Wear personal protective equipment.

6.1.1. For non-emergency personnel

No additional information available

6.1.2. For emergency responders

No additional information available

6.2. Environmental precautions

Do not discharge into drains or the environment.

6.3. Methods and material for containment and cleaning up

For containment : Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents). Disposal must be done according to official regulations.

6.4. Reference to other sections

7.1. Precautions for safe handling. For further information refer to section 13. 8. Exposure controls/personal protection.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Ensure good ventilation of the work station. If handled uncovered, arrangements with local exhaust ventilation have to be used. Do not breathe gas/fumes/vapour/spray.

Hygiene measures : Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Keep container tightly closed. Store in a place accessible by authorised persons only. Store in a well-ventilated place.

Incompatible materials : Metals.

Information on mixed storage : No specific measures are necessary.

Special rules on packaging : Store in a closed container.

7.3. Specific end use(s)

Cleaning agent. alkaline medium.

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SECTION 8: Exposure controls/personal protection

8.1. Control parameters

No additional information available

8.2. Exposure controls

Appropriate engineering controls:

If handled uncovered, arrangements with local exhaust ventilation have to be used.

Personal protective equipment:

Wear suitable protective clothing.

Hand protection:

Type	Material	Permeation	Thickness (mm)	Penetration	Standard
protective gloves	Butyl rubber	6 (> 480 minutes)	0,7		

Eye protection:

Wear closed safety glasses

Skin and body protection:

Wear suitable protective clothing

Respiratory protection:

Wear suitable respiratory equipment in case of insufficient ventilation



Consumer exposure controls:

Do not breathe gas/fumes/vapour/spray.

Other information:

Do not eat, drink or smoke when using this product. Take off immediately all contaminated clothing. Wash hands before breaks and after work.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Colour	: light yellow.
Odour	: lemon.
Odour threshold	: No data available
pH	: 12,5 (20 °C)
Relative evaporation rate (butylacetate=1)	: No data available
Melting point	: Not determined
Freezing point	: No data available
Boiling point	: 100 °C
Flash point	: Not determined
Auto-ignition temperature	: Not applicable
Decomposition temperature	: Not determined
Flammability (solid, gas)	: Not applicable
Vapour pressure	: Not determined
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Density	: 1,06 g/cm ³ (20 °C)
Solubility	: Easily soluble.
Log Pow	: No data available

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Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: Non oxidizing.
Lower explosive limit (LEL)	: Not determined
Upper explosive limit (UEL)	: Not determined

9.2. Other information

VOC content	: 0,031 % (0,331 g/L)
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SECTION 10: Stability and reactivity

10.1. Reactivity

Corrosive to metals. Possibility of hazardous reactions.

10.2. Chemical stability

Stable under normal conditions of use.

10.3. Possibility of hazardous reactions

Exothermic reaction on contact with : Acids. oxidizing materials. Peroxides.

10.4. Conditions to avoid

None.

10.5. Incompatible materials

metals. Keep away from : Acids. Oxidizing agent. Peroxides.

10.6. Hazardous decomposition products

No hazardous decomposition products known.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity	: Not classified
Additional information	: Classified as dangerous according to the criteria of Regulation (EC) No 1272/2008

Amines, C12-14 (even numbered)-alkyldimethyl, N-oxides (308062-28-4)	
LD50 oral rat	1064 mg/kg
LD50 dermal rat	> 2000 mg/kg

Amines, N-(C16-18 (even numbered) and C18-unsatd. alkyl) trimethylenedi-, ethoxylated(NLP) (1290049-56-7)	
LD50 oral rat	> 500 mg/kg

Skin corrosion/irritation : Causes severe skin burns and eye damage.

pH: 12,5 (20 °C)

Serious eye damage/irritation : Causes serious eye damage.

pH: 12,5 (20 °C)

Respiratory or skin sensitisation : Not classified

Germ cell mutagenicity : Not classified

Carcinogenicity : Not classified

Reproductive toxicity : Not classified

STOT-single exposure : Not classified

STOT-repeated exposure : Not classified

Aspiration hazard : Not classified

SECTION 12: Ecological information

12.1. Toxicity

Ecology - water : Harmful to aquatic life with long lasting effects.

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disodium metasilicate, pentahydrate (10213-79-3)	
LC50 fish 1	210 mg/l (96 h, Brachydanio rerio, Literature study, Anhydrous form)
EC50 Daphnia 1	216 mg/l (96 h, Daphnia magna, Literature study, Anhydrous form)

Amines, C12-14 (even numbered)-alkyldimethyl, N-oxides (308062-28-4)	
LC50 fish 1	3,46 mg/l
EC50 Daphnia 1	3,1 mg/l
ErC50 (algae)	0,266 mg/l
NOEC chronic crustacea	0,7 mg/l (21 d)
NOEC chronic algae	0,067 mg/l (3 d)

Amines, N-(C16-18 (even numbered) and C18-unsatd. alkyl) trimethylenedi-, ethoxylated(NLP) (1290049-56-7)	
EC50 Daphnia 1	0,31 mg/l (OECD 202 method)
ErC50 (algae)	0,16 mg/l (OECD 201 method)

12.2. Persistence and degradability

Fugen-Reiniger	
Persistence and degradability	This material has not been tested for environmental effects.

disodium metasilicate, pentahydrate (10213-79-3)	
Persistence and degradability	Biodegradability: not applicable.
Chemical oxygen demand (COD)	Not applicable (inorganic)
ThOD	Not applicable (inorganic)

Amines, N-(C16-18 (even numbered) and C18-unsatd. alkyl) trimethylenedi-, ethoxylated(NLP) (1290049-56-7)	
Biodegradation	> 60 % (OECD 301B method)

12.3. Bioaccumulative potential

Fugen-Reiniger	
Bioaccumulative potential	No bioaccumulation data available.

disodium metasilicate, pentahydrate (10213-79-3)	
Bioaccumulative potential	No bioaccumulation data available.

Amines, N-(C16-18 (even numbered) and C18-unsatd. alkyl) trimethylenedi-, ethoxylated(NLP) (1290049-56-7)	
BCF fish 1	11
Log Pow	2,8

12.4. Mobility in soil

Fugen-Reiniger	
Ecology - soil	This material has not been tested for environmental effects.

disodium metasilicate, pentahydrate (10213-79-3)	
Ecology - soil	No (test)data on mobility of the substance available.

12.5. Results of PBT and vPvB assessment

Fugen-Reiniger	
PBT: not relevant – no registration required	
vPvB: not relevant – no registration required	

Component	
disodium metasilicate, pentahydrate (10213-79-3)	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII

12.6. Other adverse effects

Other adverse effects : No supplementary information available.
Additional information : Avoid release to the environment.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Regional legislation (waste) : Disposal must be done according to official regulations.
Sewage disposal recommendations : Do not allow into drains or water courses.
Product/Packaging disposal recommendations : Disposal must be done according to official regulations. Dirty containers cannot be handled as normal waste. Clean container with water.

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European List of Waste (LoW) code : 20 01 29* - detergents containing dangerous substances
15 01 10* - packaging containing residues of or contaminated by dangerous substances

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

ADR	IMDG	IATA	ADN	RID
14.1. UN number				
1719	1719	1719	1719	1719
14.2. UN proper shipping name				
CAUSTIC ALKALI LIQUID, N.O.S. (Tetrasodium N,N-bis(carboxylatomethyl)-L-glutamate ; disodium metasilicate, pentahydrate ; disodium metasilicate, pentahydrate ; Alcohols, C9-11 ethoxylated)	CAUSTIC ALKALI LIQUID, N.O.S. (Tetrasodium N,N-bis(carboxylatomethyl)-L-glutamate ; disodium metasilicate, pentahydrate ; disodium metasilicate, pentahydrate ; Alcohols, C9-11 ethoxylated)	Caustic alkali liquid, n.o.s. (Tetrasodium N,N-bis(carboxylatomethyl)-L-glutamate ; disodium metasilicate, pentahydrate ; disodium metasilicate, pentahydrate ; Alcohols, C9-11 ethoxylated)	CAUSTIC ALKALI LIQUID, N.O.S. (Tetrasodium N,N-bis(carboxylatomethyl)-L-glutamate ; disodium metasilicate, pentahydrate ; disodium metasilicate, pentahydrate ; Alcohols, C9-11 ethoxylated)	CAUSTIC ALKALI LIQUID, N.O.S. (Tetrasodium N,N-bis(carboxylatomethyl)-L-glutamate ; disodium metasilicate, pentahydrate ; disodium metasilicate, pentahydrate ; Alcohols, C9-11 ethoxylated)
14.3. Transport hazard class(es)				
8	8	8	8	8
				
14.4. Packing group				
III	III	III	III	III
14.5. Environmental hazards				
Dangerous for the environment : No	Dangerous for the environment : No Marine pollutant : No	Dangerous for the environment : No	Dangerous for the environment : No	Dangerous for the environment : No
No supplementary information available				

14.6. Special precautions for user

- Overland transport

Classification code (ADR) : C5
 Limited quantities (ADR) : 5I
 Excepted quantities (ADR) : E1
 Transport category (ADR) : 3
 Tunnel restriction code (ADR) : E

- Transport by sea

No data available

- Air transport

PCA Excepted quantities (IATA) : E1
 PCA limited quantity max net quantity (IATA) : 1L

- Inland waterway transport

Classification code (ADN) : C5
 Limited quantities (ADN) : 5L
 Excepted quantities (ADN) : E1

- Rail transport

Classification code (RID) : C5
 Limited quantities (RID) : 5L
 Excepted quantities (RID) : E1
 Transport category (RID) : 3

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

Not applicable

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SECTION 15: Regulatory information

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

15.1.1. EU-Regulations

Contains no REACH substances with Annex XVII restrictions

Contains no substance on the REACH candidate list

Contains no REACH Annex XIV substances

VOC content : 0,031 % (0,331 g/L)

Other information, restriction and prohibition regulations : Detergent Regulation (648/2004/EC).

15.1.2. National regulations

No additional information available

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

This safety data sheet replaces the previous version of 2017/11/23. The following changes were made:

Full text of H- and EUH-statements:	
Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4
Aquatic Acute 1	Hazardous to the aquatic environment — Acute Hazard, Category 1
Aquatic Chronic 1	Hazardous to the aquatic environment — Chronic Hazard, Category 1
Aquatic Chronic 2	Hazardous to the aquatic environment — Chronic Hazard, Category 2
Eye Dam. 1	Serious eye damage/eye irritation, Category 1
Met. Corr. 1	Corrosive to metals, Category 1
Skin Corr. 1	Skin corrosion/irritation, Category 1
Skin Corr. 1A	Skin corrosion/irritation, Category 1A
Skin Corr. 1B	Skin corrosion/irritation, Category 1B
Skin Irrit. 2	Skin corrosion/irritation, Category 2
STOT RE 1	Specific target organ toxicity — Repeated exposure, Category 1
STOT SE 3	Specific target organ toxicity — Single exposure, Category 3, Respiratory tract irritation
H290	May be corrosive to metals.
H302	Harmful if swallowed.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H318	Causes serious eye damage.
H335	May cause respiratory irritation.
H372	Causes damage to organs through prolonged or repeated exposure.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H411	Toxic to aquatic life with long lasting effects.

Knauf SDS EU (REACH Annex II)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.