Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878 Issue date: 2022/12/19 Revision date: 2022/12/19 Supersedes version of: 2017/11/17 Version: 6.0



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

1.1. Product identifier

Product form Trade name Product code Product group

- : Mixture : Feinsteinzeug-Reiniger
- : 12868 0022
- : Blend

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 Use of the substance/mixture

: Professional use. Consumer use.: Cleaning agent

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Manufacturer

Bauprodukte GmbH Am Bahnhof, 7 DE– 97346 Iphofen – Bayern Germany T 09323 / 31-0 www.knauf.de/diy E-mail address of competent person responsible for the SDS : sdb@knauf.com

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. 1A	H314
Aquatic Chronic 3	H412

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

Adverse physicochemical, human health and environmental effects

May be corrosive to metals. Causes severe skin burns and eye damage. Harmful to aquatic life with long lasting effects.

2.2. Label elements

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

Hazard pictograms (CLP)



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Contains	: disodium metasilicate, pentahydrate, Alcohols, C9-11 ethoxylated
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.
	P234 - Keep only in original packaging.
	P260 - Do not breathe dust/fume/gas/mist/vapours/spray.
	P264 - Wash hands, forearms and face thoroughly after handling.
	P273 - Avoid release to the environment.
	P280 - Wear protective gloves, protective clothing, eye protection, face protection.
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

Contains no PBT/vPvB substances ≥ 0.1% assessed in accordance with REACH Annex XIII

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

The mixture does not contain substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or is not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at a concentration equal to or greater than 0,1 %

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	< 5	Met. Corr. 1, H290 Skin Corr. 1B, H314 STOT SE 3, H335
Alcohols, C9-11 ethoxylated	CAS-No.: 68439-46-3	< 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	< 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	< 1	Acute Tox. 4 (Oral), H302 Skin Corr. 1B, H314 STOT RE 1, H372 Aquatic Acute 1, H400 (M=10) Aquatic Chronic 1, H410

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

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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.
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.
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 effect	ts, 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. Dry powder.
Unsuitable extinguishing media	: Strong water jet.
5.2. Special hazards arising from the subst	ance or mixture
Fire hazard	: Not flammable.
5.3. Advice for firefighters	
Protection during firefighting Other information	 Use self-contained breathing apparatus and chemically protective clothing. Full suit. 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 equip	oment 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.		

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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 stor	age
7.1. Precautions for safe handling	
Precautions for safe handling Hygiene measures	 Provide local exhaust or general room ventilation. Do not breathe gas/fumes/vapour/spray. Do not eat, drink or smoke when using this product. Always wash hands after handling the product. Take off immediately all contaminated clothing and wash it before reuse. Keep away from food, drink and animal feeding stuffs.
7.2. Conditions for safe storage, in	ncluding any incompatibilities
Storage conditions	 Store in a well-ventilated place. Keep container tightly closed. Store locked up. Store in a dry, cool area. Store in a place accessible by authorised persons only.
7.3. Specific end use(s)	: Metals.

Cleaning agent. alkaline medium.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.1.1 National occupational exposure and biological limit values

No additional information available

8.1.2. Recommended monitoring procedures

No additional information available

8.1.3. Air contaminants formed

No additional information available

8.1.4. DNEL and PNEC

No additional information available

8.1.5. Control banding

No additional information available

8.2. Exposure controls

8.2.1. Appropriate engineering controls

Appropriate engineering controls:

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

8.2.2. Personal protection equipment

Personal protective equipment:

Wear suitable protective clothing.

Personal protective equipment symbol(s):



8.2.2.1. Eye and face protection

Eye protection: Wear closed safety glasses

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Eye protection			
Туре	Field of application	Characteristics	Standard
Safety glasses with side shields			

8.2.2.2. Skin protection

Skin and body protection:

Wear suitable protective clothing

Hand protection:

Protective gloves

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

8.2.2.3. Respiratory protection

Respiratory protection:

Wear suitable respiratory equipment in case of insufficient ventilation

8.2.2.4. Thermal hazards

No additional information available

8.2.3. Environmental exposure controls

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	: Yellow.
Appearance	: Liquid.
Odour	: lemon.
Odour threshold	: Not available
Melting point	: Not determined
Freezing point	: Not available
Boiling point	: 100 °C
Flammability	: Not applicable.
Oxidising properties	: Non oxidizing.
Explosive limits	: Not available
Lower explosion limit	: Not determined
Upper explosion limit	: Not determined
Flash point	: Not determined
Auto-ignition temperature	: Not applicable.
Decomposition temperature	: Not determined
рН	: 12,5 (20°C)
Viscosity, kinematic	: Not available
Solubility	: Water: Easily soluble
Partition coefficient n-octanol/water (Log Kow)	: Not available
Vapour pressure	: Not determined
Vapour pressure at 50°C	: Not available
Density	: 1,06 g/cm ³ (20°C)
Relative density	: Not available
Relative vapour density at 20°C	: Not available
Particle characteristics	: Not applicable

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9.2. Other information

9.2.1. Information with regard to physical hazard classes

No additional information available

9.2.2. Other safety characteristics

VOC content

: 0,031 % (0,331 g/l)

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 info	rmation
11.1. Information on hazard classes	as defined in Regulation (EC) No 1272/2008
Acute toxicity (oral) Acute toxicity (dermal) Acute toxicity (inhalation) Additional information	 Not classified Not classified Not classified Not classified Classified as dangerous according to the criteria of Regulation (EC) No 1272/2008
Alcohols, C9-11 ethoxylated (68439	9-46-3)
ATE CLP (oral)	500 mg/kg bodyweight
Amines, C12-14 (even numbered)-a	ılkyldimethyl, N-oxides (308062-28-4)
LD50 oral rat	1064 mg/kg
LD50 dermal rat	> 2000 mg/kg
ATE CLP (oral)	1064 mg/kg bodyweight
Amines, N-(C16-18 (even numbered	d) and C18-unsatd. alkyl) trimethylenedi-, ethoxylated(NLP) (1290049-56-7)
LD50 oral rat	200 – 2000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 423 (Acute Oral toxicity - Acute Toxic Class Method), Guideline: EU Method B.1 (Acute Toxicity (Oral))
ATE CLP (oral)	500 mg/kg bodyweight
Skin corrosion/irritation	: Causes severe skin burns. pH: 12,5 (20°C)
Serious eye damage/irritation	: Assumed to cause serious eye damage pH: 12,5 (20°C)
Respiratory or skin sensitisation	: Not classified
Germ cell mutagenicity	: Not classified

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Carcinogenicity	: Not classified	
Reproductive toxicity	: Not classified	
STOT-single exposure	: Not classified	
disodium metasilicate, pentahydrate (10213-79-3)		
STOT-single exposure	May cause respiratory irritation.	
STOT-repeated exposure	: Not classified	
Amines, N-(C16-18 (even numbered) and C18-unsatd. alkyl) trimethylenedi-, ethoxylated(NLP) (1290049-56-7)		

 STOT-repeated exposure
 Causes damage to organs through prolonged or repeated exposure.

 Aspiration hazard
 : Not classified

11.2. Information on other hazards

11.2.1. Endocrine disrupting properties

No additional information available

11.2.2. Other information

Other information

: Classified as dangerous according to the criteria of Regulation (EC) No 1272/2008

SECTION 12: Ecological information

12.1. Toxicity

Hazardous to the aquatic environment, short–term (acute)	: Not classified
Hazardous to the aquatic environment, long–term (chronic)	: Harmful to aquatic life with long lasting effects.
disodium metasilicate, pentahydrate (102	13-79-3)
LC50 - Fish [1]	210 mg/l (96 h, Brachydanio rerio, Literature study, Anhydrous form)
EC50 - Crustacea [1]	216 mg/l (96 h, Daphnia magna, Literature study, Anhydrous form)
Amines, C12-14 (even numbered)-alkyldir	nethyl, N-oxides (308062-28-4)
LC50 - Fish [1]	3,46 mg/l
EC50 - Crustacea [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)
LC50 - Fish [1]	0,13 mg/l Test organisms (species): Oncorhynchus mykiss (previous name: Salmo gairdneri)
EC50 - Crustacea [1]	0,31 mg/l Test organisms (species): Daphnia magna
ErC50 algae	0,16 mg/l (OECD 201 method)
12.2. Persistence and degradability	
Feinsteinzeug-Reiniger	

	,
Persistence and degradability	Biodegradability: not applicable.
Chemical oxygen demand (COD)	Not applicable (inorganic)

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disodium metasilicate, pentahydrate (10213-79-3)		
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		
Feinsteinzeug-Reiniger		
Bioaccumulative potential	No bioaccumulation data available.	
disodium metasilicate, pentahydrate (102	13-79-3)	
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	
Partition coefficient n-octanol/water (Log Pow)	2,8	
12.4. Mobility in soil		
Feinsteinzeug-Reiniger		
Ecology - soil	This material has not been tested for environmental effects.	
disodium metasilicate, pentahydrate (102	13-79-3)	
Ecology - soil	No (test)data on mobility of the substance available.	
12.5. Results of PBT and vPvB assessmen	ht	
Feinsteinzeug-Reiniger		
PBT: not relevant – no registration required		
vPvB: not relevant – no registration required		
12.6. Endocrine disrupting properties		
No additional information available		
12.7. 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.	
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 / IMDG / IATA / ADN / RID

15 01 10* - packaging containing residues of or contaminated by dangerous substances

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14.1. UN number or ID number	
UN-No. (ADR)	: UN 1719
UN-No. (IMDG)	: UN 1719
UN-No. (IATA)	: UN 1719
UN-No. (ADN)	: UN 1719
UN-No. (RID)	: UN 1719
14.2. UN proper shipping name	
Proper Shipping Name (ADR)	: CAUSTIC ALKALI LIQUID, N.O.S. (disodium metasilicate, pentahydrate ; Alcohols, C9-11 ethoxylated)
Proper Shipping Name (IMDG)	: CAUSTIC ALKALI LIQUID, N.O.S. (disodium metasilicate, pentahydrate ; Alcohols, C9-11 ethoxylated)
Proper Shipping Name (IATA)	 Caustic alkali liquid, n.o.s. (disodium metasilicate, pentahydrate ; Alcohols, C9-11 ethoxylated)
Proper Shipping Name (ADN)	: CAUSTIC ALKALI LIQUID, N.O.S. (disodium metasilicate, pentahydrate ; Alcohols, C9-11 ethoxylated)
Proper Shipping Name (RID)	: CAUSTIC ALKALI LIQUID, N.O.S. (disodium metasilicate, pentahydrate ; Alcohols, C9-11 ethoxylated)

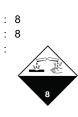
14.3. Transport hazard class(es)

ADR

Transport hazard class(es) (ADR)	
Danger labels (ADR)	



Transport hazard class(es) (IMDG) Danger labels (IMDG)





ΙΑΤΑ

Transport hazard class(es) (IATA) Danger labels (IATA)

ADN

Transport hazard class(es) (ADN) Danger labels (ADN)



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RID Transport

Transport hazard class(es) (RID)	
Danger labels (RID)	

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14.4. Packing group	
Packing group (ADR) Packing group (IMDG) Packing group (IATA) Packing group (ADN) Packing group (RID)	: II : II : II : II
14.5. Environmental hazards	
Dangerous for the environment Marine pollutant Other information	: No : No : No supplementary information available
14.6. Special precautions for user	
Overland transport Classification code (ADR) Limited quantities (ADR) Excepted quantities (ADR) Transport category (ADR) Orange plates	: C5 : 11 : E2 : 2 : 80 1719
Tunnel restriction code (ADR)	: E
Transport by sea Limited quantities (IMDG) Excepted quantities (IMDG)	: 1L : E2
Air transport PCA Excepted quantities (IATA) PCA limited quantity max net quantity (IATA)	: E2 : 0.5L
Inland waterway transport Classification code (ADN) Limited quantities (ADN) Excepted quantities (ADN)	: C5 : 1L : E2
Rail transport Classification code (RID) Limited quantities (RID) Excepted quantities (RID) Transport category (RID)	: C5 : 1L : E2 : 2

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

15.1.1. EU-Regulations

Contains no substance(s) listed on REACH Annex XVII (Restriction Conditions) Contains no substance(s) listed on the REACH Candidate List

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Contains no substance(s) listed on REACH Annex XIV (Authorisation List) Contains no substance(s) listed on the PIC list (Regulation EU 649/2012 concerning the export and import of hazardous chemicals) Contains no substance(s) listed on the POP list (Regulation EU 2019/1021 on persistent organic pollutants) Contains no substance(s) listed on the Ozone Depletion list (Regulation EU 1005/2009 on substances that deplete the ozone layer) Contains no substance(s) listed on the Explosives Precursors list (Regulation EU 2019/1148 on the marketing and use of explosives precursors) VOC content : 0,031 % (0,331 g/l) Other information, restriction and prohibition : Detergent Regulation (648/2004/EC). regulations Contains no substance(s) listed on the Drug Precursors list (Regulation EC 273/2004 on the manufacture and the placing on market of certain substances used in the illicit manufacture of narcotic drugs and psychotropic substances) **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

Indication of changes			
Section	Changed item	Change	Comments
	Product code	Added	
1.1	Name	Added	
1.1	Trade name	Added	
2.2	Hazard statements (CLP)	Modified	
3	Composition/information on ingredients	Modified	
9.1	Colour	Modified	

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
Aquatic Chronic 3	Hazardous to the aquatic environment – Chronic Hazard, Category 3
Eye Dam. 1	Serious eye damage/eye irritation, Category 1
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.
H412	Harmful to aquatic life with long lasting effects.

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Full text of H- and EUH-statements:	
Met. Corr. 1	Corrosive to metals, Category 1
Skin Corr. 1A	Skin corrosion/irritation, Category 1, Sub-Category 1A
Skin Corr. 1B	Skin corrosion/irritation, Category 1, Sub-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

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.