

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 15.12.2022

Version number 3 (replaces version 2)

Revision: 15.12.2022

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

1.1 Product identifier

- Trade name: **Mild Stone Soap**
- Article number: 10830, 10831, 10879, 11878, 10927
- UFI: KWNH-Q6W7-001J-EN5V

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: AKEMI chemisch technische Spezialfabrik GmbH
Lechstrasse 28
D 90451 Nürnberg
Tel. +49(0)911-642960
Fax. +49(0)911-644456
e-mail info@akemi.de

Further information obtainable from:

Laboratory

1.4 Emergency telephone number:

Product Safety Department AKEMI chemisch technische Spezialfabrik GmbH
Tel. +49(0)911-64296-59
Reachable during the following office hours:
Monday – Thursday from 07:30 a.m. to 16:30 p.m.
Friday from 07:30 a.m. to 13:30 p.m.

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 Dam. 1 H318 Causes serious eye damage.

2.2 Label elements

- Labelling according to Regulation (EC) No 1272/2008
- Hazard pictograms

The product is classified and labelled according to the CLP regulation.



GHS05

Signal word

Danger

Hazard-determining components of labelling:

Hazard statements

Alcohols, C13-C15 branched and linear, ethoxylated

H315 Causes skin irritation.

H318 Causes serious eye damage.

Precautionary statements

P101

If medical advice is needed, have product container or label at hand.

P102

Keep out of reach of children.

P103

Read carefully and follow all instructions.

P280

Wear protective gloves / eye protection.

P305+P351+P338

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P337+P313

If eye irritation persists: Get medical advice/attention.

Contains isoeugenol. May produce an allergic reaction.

Additional information:

2.3 Other hazards

Results of PBT and vPvB assessment

PBT:

Not applicable.

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· vPvB: Not applicable.

SECTION 3: Composition/information on ingredients**· 3.2 Mixtures**· Description: Mixture of substances listed below with nonhazardous additions.· Dangerous components:

CAS: 61790-44-1 EINECS: 263-136-1	fatty acids, tall-oil, potassium salts Skin Irrit. 2, H315; Eye Irrit. 2, H319	12.5-25%
CAS: 157627-86-6 EC number: 935-523-1 Reg.nr.: 02-2119548515-35-0000	Alcohols, C13-C15 branched and linear, ethoxylated Eye Dam. 1, H318 Acute Tox. 4, H302 Aquatic Chronic 3, H412	1-5%
CAS: 584-08-7 EINECS: 209-529-3	potassium carbonate Skin Irrit. 2, H315; Eye Irrit. 2, H319; STOT SE 3, H335	1-5%
CAS: 5949-29-1 EINECS: 201-069-1 Reg.nr.: 01-2119457026-42-xxxx	1,2,3-Propanetricarboxylic acid, 2-hydroxy-, monohydrate Eye Irrit. 2, H319	1-5%
CAS: 37199-81-8	Maleic acid, polymer with diisobutene, sodium salt Eye Irrit. 2, H319	1-5%
CAS: 97-54-1 EINECS: 202-590-7 Index number: 604-094-00-X	isoeugenol Acute Tox. 4, H302; Acute Tox. 4, H312; Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1A, H317 Specific concentration limit: Skin Sens. 1A; H317: C ≥ 0.01 %	<1%

· Regulation (EC) No 648/2004 on detergents / Labelling for contents

non-ionic surfactants, perfumes (AMYL CINNAMAL), 4-tert-butylcyclohexyl acetate

<5%

· 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: No special measures required.

· After inhalation: Supply fresh air; consult doctor in case of complaints.

· After skin contact: Rinse with warm water.

· After eye contact: Rinse opened eye for several minutes under running water. Then consult a doctor.

· After swallowing: Rinse out mouth and then drink plenty of water.

· 4.2 Most important symptoms and effects, both acute and delayedGastric or intestinal disorders
Nausea**· 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: CO₂, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.**· 5.2 Special hazards arising from the substance or mixture**Formation of toxic gases is possible during heating or in case of fire.
In case of fire, the following can be released:

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|---|---|
| <ul style="list-style-type: none"> · 5.3 Advice for firefighters · <u>Protective equipment:</u> · <u>Additional information</u> | <p>Carbon monoxide (CO)
Hydrogen cyanide (HCN)</p> <p>Wear self-contained respiratory protective device.
Do not inhale explosion gases or combustion gases.</p> <p>Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.</p> |
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SECTION 6: Accidental release measures

- | | |
|---|---|
| <ul style="list-style-type: none"> · 6.1 Personal precautions, protective equipment and emergency procedures · 6.2 Environmental precautions: · 6.3 Methods and material for containment and cleaning up: · 6.4 Reference to other sections | <p>Particular danger of slipping on leaked/spilled product.
Product forms slippery surface when combined with water.</p> <p>Do not allow to enter sewers/ surface or ground water.</p> <p>Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).</p> <p>No dangerous substances are released.</p> |
|---|---|

SECTION 7: Handling and storage

- | | |
|--|---|
| <ul style="list-style-type: none"> · 7.1 Precautions for safe handling · <u>Information about fire - and explosion protection:</u> · 7.2 Conditions for safe storage, including any incompatibilities · <u>Storage:</u> · <u>Requirements to be met by storerooms and receptacles:</u> · <u>Information about storage in one common storage facility:</u> · <u>Further information about storage conditions:</u> · <u>Storage class:</u> · 7.3 Specific end use(s) | <p>No special precautions are necessary if used correctly.
No special measures required.</p> <p>No special measures required.</p> <p>Prevent any seepage into the ground.</p> <p>Store away from foodstuffs.</p> <p>Protect from frost.</p> <p>12</p> <p>No further relevant information available.</p> |
|--|---|

SECTION 8: Exposure controls/personal protection

- | | |
|---|---|
| <ul style="list-style-type: none"> · 8.1 Control parameters · <u>Ingredients with limit values that require monitoring at the workplace:</u> | <p>The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.</p> |
|---|---|

· PNECs

5949-29-1 1,2,3-Propanetricarboxylic acid, 2-hydroxy-, monohydrate

PNEC (wässrig)	>1,000 mg/l (KA) 0.044 mg/l (MW) 0.44 mg/l (SW)
PNEC (fest)	33.1 mg/kg Trockengew (BO) 34.6 mg/kg Trockengew (MWS) 3.46 mg/kg Trockengew (SWS)

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- Additional information: The lists valid during the making were used as 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: The usual precautionary measures are to be adhered to when handling chemicals.
- Respiratory protection: Not necessary if room is well-ventilated.
- Hand protection Preventive skin protection by use of skin-protecting agents is recommended. After use of gloves apply skin-cleaning agents and skin cosmetics. Skin protection agent recommendation for preventive skin shelter without use of protective gloves:
STOKODERM (<http://www.stoko.com>)
Skin protection agent recommendation for preventive skin shelter in application and combination of protective gloves:
STOKO EMULSION (<http://www.stoko.com>)
Skin protection recommendation for skin cleaning after product handling:
FRAPANTOL (<http://www.stoko.com>)
Skin protection agent recommendation for skin aftercare:
STOKO VITAN (<http://www.stoko.com>)
The protection gloves to be used have to comply with the specifications of the directive 89/686/EC and the directive derived decree EN374, respectively, e.g. the above listed protection glove type. The mentioned permeation times' data were generated and verified with material samples of the recommended protection glove type in the scope of laboratory analyses of the company KCL GmbH in compliance with EN374.
This recommendation refers exclusively to the material safety data sheet referenced product delivered by Akemi and the indicated field of application. In case of product dilution or in case of mixture with different substances or chemicals, and in condition of EN374 deviation the producer of CE-approved protection gloves must be contacted for detailed information (e.g., KCL GmbH, Germany, 36124 Eichenzell, internet: <http://www.kcl.de>).
Alkaline resistant gloves
The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.
Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation
- Material of gloves Nitrile rubber, NBR
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 Value for the permeation: Level ≤ 6 , 480 min
The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.
- For the permanent contact gloves made of the following materials are suitable: Nitrile rubber, NBR
Camatril (KCL, Art_No. 730, 731, 732, 733)
- As protection from splashes gloves made of the following materials are suitable: Nitrile rubber, NBR
Camatril (KCL, 730, 731, 732, 733)

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- Not suitable are gloves made of the following materials:
 - Leather gloves
 - Strong material gloves
- Eye/face protection
 - Goggles recommended during refilling
- Body protection:
 - Protective work clothing

SECTION 9: Physical and chemical properties**· 9.1 Information on basic physical and chemical properties**

- General Information
- Colour: Yellow
- Odour: Characteristic
- Melting point/freezing point: Undetermined.
- Boiling point or initial boiling point and boiling range 100 °C
- Flash point: Not applicable.
- pH at 20 °C 11
- Viscosity:
- Kinematic viscosity Not determined.
- Dynamic at 20 °C: 13,000 mPas
- Solubility
- water: Not miscible or difficult to mix.
- Vapour pressure at 20 °C: 23 hPa
- Density and/or relative density
- Density at 20 °C: 1.02 g/cm³

· 9.2 Other information

- Appearance:
- Form: Viscous
- Important information on protection of health and environment, and on safety.
- Auto-ignition temperature: Product is not selfigniting.
- Explosive properties: Product does not present an explosion hazard.
- Solvent content:
- Organic solvents: 0.2 %
- Water: 68.1 %
- Solids content: 58.1 %

· Information with regard to physical hazard classes

- Explosives Void
- Flammable gases Void
- Aerosols Void
- Oxidising gases Void
- Gases under pressure Void
- 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

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| <ul style="list-style-type: none"> · Corrosive to metals · Desensitised explosives | <ul style="list-style-type: none"> Void Void |
|--|--|

SECTION 10: Stability and reactivity

- | | |
|--|---|
| <ul style="list-style-type: none"> · 10.1 Reactivity · 10.2 Chemical stability · Thermal decomposition / conditions to be avoided: · 10.3 Possibility of hazardous reactions · 10.4 Conditions to avoid · 10.5 Incompatible materials: · 10.6 Hazardous decomposition products: | <ul style="list-style-type: none"> No further relevant information available. No decomposition if used according to specifications. Reacts with acids. No further relevant information available. No further relevant information available. No dangerous decomposition products known. |
|--|---|

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 relevant for classification:

ATE (Acute Toxicity Estimates)

Oral	LD50	>12,270-49,080 mg/kg (rat)
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157627-86-6 Alcohols, C13-C15 branched and linear, ethoxylated

Oral	LD50	>500-2,000 mg/kg (rat)
Dermal	LD50	>2,000 mg/kg (rat)
	LC50/48h	1-10 mg/l (Oncorhynchus mykiss)

584-08-7 potassium carbonate

Oral	LD50	>2,000 mg/kg (rat)
Dermal	LD50	>2,000 mg/kg (rabbit)
Inhalative	LC50/4 h	>4.96 mg/l (rat)

5949-29-1 1,2,3-Propanetricarboxylic acid, 2-hydroxy-, monohydrate

Oral	LD50	5,400 mg/kg (mouse) (OECD 401)
Dermal	LD50	>2,000 mg/kg (rat)
	LD50 Intraperitoneal	940 mg/kg (mouse)
		725 mg/kg (rat)
	LC50/48h	440 mg/l (Leuciscus idus) (OECD 203)

97-54-1 isoeugenol

Oral	LD50	1,560 mg/kg (rat)
Dermal	LD50	1,100 mg/kg (ATE)

- | | |
|---|--|
| <ul style="list-style-type: none"> · <u>Skin corrosion/irritation</u> · <u>Serious eye damage/irritation</u> · <u>Respiratory or skin sensitisation</u> · <u>Germ cell mutagenicity</u> · <u>Carcinogenicity</u> · <u>Reproductive toxicity</u> · <u>STOT-single exposure</u> · <u>STOT-repeated exposure</u> · <u>Aspiration hazard</u> | <ul style="list-style-type: none"> Causes skin irritation. Causes serious eye damage. Based on available data, the classification criteria are not met. Based on available data, the classification criteria are not met. Based on available data, the classification criteria are not met. Based on available data, the classification criteria are not met. Based on available data, the classification criteria are not met. Based on available data, the classification criteria are not met. Based on available data, the classification criteria are not met. |
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· 11.2 Information on other hazards**· Endocrine disrupting properties**

118-58-1 benzyl salicylate

List II

SECTION 12: Ecological information**· 12.1 Toxicity****· Aquatic toxicity:****157627-86-6 Alcohols, C13-C15 branched and linear, ethoxylated**

EC50/48h 1-10 mg/l (daphnia magna)

EC10 >1,000 mg/l (BES)

EC50/72h 1-10 mg/l (Scenedesmus subspicatus)

584-08-7 potassium carbonate

EC50/48h 200 mg/l (daphnia magna)

LC50/96h 68 mg/l (Oncorhynchus mykiss)

5949-29-1 1,2,3-Propanetricarboxylic acid, 2-hydroxy-, monohydrate

LC50 >10,000 mg/l (pseudomonas putida) (OECD 306)

425 mg/l (Scenedesmus quadricauda)

LC50/24h 1,535 mg/l (daphnia magna)

· 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.

· 12.5 Results of PBT and vPvB assessment**· PBT:**

Not applicable.

· vPvB:

Not applicable.

· 12.6 Endocrine disrupting properties

For information on endocrine disrupting properties see section 11.

· 12.7 Other adverse effects**· Additional ecological information:****· General notes:**

Do not allow product to reach ground water, water course or sewage system.
 Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water

SECTION 13: Disposal considerations**· 13.1 Waste treatment methods****· Recommendation**

Smaller quantities can be disposed of with household waste.

· European waste catalogue

20 00 00	MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS
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20 01 00	separately collected fractions (except 15 01)
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20 01 29*	detergents containing hazardous substances
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· Uncleaned packaging:**· Recommendation:**

Packagings that may not be cleansed are to be disposed of in the same manner as the product.

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SECTION 14: Transport information· **14.1 UN number or ID number**

· ADR, ADN, IMDG, IATA Void

· **14.2 UN proper shipping name**

· ADR, ADN, IMDG, IATA Void

· **14.3 Transport hazard class(es)**

· ADR, ADN, IMDG, IATA

· Class Void

· **14.4 Packing group**

· ADR, IMDG, IATA Void

· **14.5 Environmental hazards:**

· Marine pollutant: No

· **14.6 Special precautions for user**

Not applicable.

· **14.7 Maritime transport in bulk according to IMO instruments**

Not applicable.

· Transport/Additional information:

Not dangerous according to the above specifications.

· UN "Model Regulation":

Void

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.

· REGULATION (EC) No 1907/2006 ANNEX XVII

Conditions of restriction: 3

· 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.

· Regulation (EC) No 273/2004 on drug precursors

None of the ingredients is listed.

· Regulation (EC) No 111/2005 laying down rules for the monitoring of trade between the Community and third countries in drug precursors

None of the ingredients is listed.

· National regulations:

· Waterhazard class:

Water hazard class 1 (Self-assessment): slightly hazardous for water.

· Substances of very high concern (SVHC) according to REACH, Article 57

None of the ingredients is listed.

· VOC EU

0.5 g/l

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· **15.2 Chemical safety assessment:**

A Chemical Safety Assessment has not been carried out.

SECTION 16: Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- Department issuing SDS: Laboratory
- Contact: Elke Hake
Fon ++49 (0)911 64296-59
@mail E.Hake@akemi.de
- Date of previous version: 15.12.2022
- Version number of previous version: 2
- Abbreviations and acronyms:

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)
 ICAO: International Civil Aviation Organisation
 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)
 PNEC: Predicted No-Effect Concentration (REACH)
 LC50: Lethal concentration, 50 percent
 LD50: Lethal dose, 50 percent
 PBT: Persistent, Bioaccumulative and Toxic
 SVHC: Substances of Very High Concern
 vPvB: very Persistent and very Bioaccumulative
 Acute Tox. 4: Acute toxicity – Category 4
 Skin Irrit. 2: Skin corrosion/irritation – Category 2
 Eye Dam. 1: Serious eye damage/eye irritation – Category 1
 Eye Irrit. 2: Serious eye damage/eye irritation – Category 2
 Skin Sens. 1A: Skin sensitisation – Category 1A
 STOT SE 3: Specific target organ toxicity (single exposure) – Category 3
 Aquatic Chronic 3: Hazardous to the aquatic environment - long-term aquatic hazard – Category 3

EU