

**SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1 Product identifier****Trade name: Putzstein****1.2 Relevant identified uses of the substance or mixture and uses advised against****Application of the substance / the mixture** Cleaning agent**1.3 Details of the supplier of the safety data sheet****Manufacturer/Supplier:****Uni Sapon GmbH**

Industriepark Runa

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Mo - Th: 08.00 - 12.00 h und 13.30 - 16.30 h

Fr: 08.00 - 12.00 h

Call the national emergency number!*** SECTION 2: Hazards identification****2.1 Classification of the substance or mixture****Classification according to Regulation (EC) No 1272/2008**

The product is not classified, according to the CLP regulation.

2.2 Label elements**Labelling according to Regulation (EC) No 1272/2008** void**Hazard pictograms** void**Signal word** void**Hazard statements** void**Additional information:**

EUH208 Contains Orange, sweet, extr. (Orangeoil sweet), Litsea cubeba oil. May produce an allergic reaction.

2.3 Other hazards**Results of PBT and vPvB assessment****PBT:** Not applicable.**vPvB:** Not applicable.**Determination of endocrine-disrupting properties**The product does not contain substances with endocrine-disrupting properties ≥ 0.1 % (w/w).

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SECTION 3: Composition/information on ingredients

3.2 Mixtures

Description: Mixture of substances listed below with nonhazardous additions.

Dangerous components:		
CAS: 1317-65-3 EINECS: 215-279-6	Limestone substance with a Community workplace exposure limit	> 50 – ≤ 100%
CAS: 110615-47-9 EC number: 600-975-8 Reg.nr.: 01-2119489418-23-XXXX	D-Glucopyranose, oligomeric, C10-16-alkyl glycosides Eye Dam. 1, H318 Skin Irrit. 2, H315 Specific concentration limits: Skin Irrit. 2; H315: C ≥ 30% Eye Dam. 1; H318: C ≥ 12 %	<2.5%
CAS: 61788-65-6 EINECS: 262-993-9	potassium soap Skin Irrit. 2, H315; Eye Irrit. 2, H319	<2.5%
CAS: 85586-07-8 EINECS: 287-809-4 Reg.nr.: 01-2119489463-28-XXXX	Sulfuric acid, mono-C12-14-alkyl esters, sodium salts Eye Dam. 1, H318 Acute Tox. 4, H302; Skin Irrit. 2, H315 Aquatic Chronic 3, H412 Specific concentration limits: Eye Dam. 1; H318: C ≥ 20 % Eye Irrit. 2; H319: 10 % ≤ C < 20 %	<1%
CAS: 68515-73-1 NLP: 500-220-1 Reg.nr.: 01-2119488530-36-XXXX	D-Glucopyranose, oligomers, decyl octyl glycosides Eye Dam. 1, H318	<1%
CAS: 8028-48-6 EINECS: 232-433-8 Reg.nr.: 01-2119493353-35-XXXX	Orange, sweet, extr. (Orangeoil sweet) Consisting of: 5989-27-5 (R)-p-mentha-1,8-diene (96%); 5392-40-5 Citral (1%); 78-70-6 Linalool (1%) Alternative CAS number: 8008-57-9 Flam. Liq. 3, H226 Asp. Tox. 1, H304 Aquatic Chronic 2, H411 Skin Irrit. 2, H315; Skin Sens. 1, H317	<1%
CAS: 68855-99-2 EINECS: 290-018-7	Litsea cubeba oil Consisting of: 5392-40-5 Citral (70%); 5989-27-5 (R)-p-mentha-1,8-diene (12%); 78-70-6 Linalool (2%) Flam. Liq. 3, H226 Asp. Tox. 1, H304 Aquatic Chronic 2, H411 Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1, H317	<0.25%

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

non-ionic surfactants, soap, anionic surfactants

<5%

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perfumes (LIMONENE, CITRAL)

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:**

In case of discomfort or doubt, seek medical advice.

If unconscious, use a stable lateral position and do not administer anything through mouth.

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

After skin contact:

Wash with plenty of soap and water.

Seek medical treatment in case of complaints.

After eye contact:

Rinse opened eye for several minutes under running water.

Remove contact lenses, if present and easy to do. Continue rinsing.

Seek medical treatment in case of complaints.

After swallowing:

Rinse mouth.

Do NOT induce vomiting.

Call a doctor immediately.

4.2 Most important symptoms and effects, both acute and delayed

No further relevant information available.

4.3 Indication of any immediate medical attention and special treatment needed

Depending on the condition of the patients, the doctor must assess the symptoms and the overall general condition.

SECTION 5: Firefighting measures**5.1 Extinguishing media**

Suitable extinguishing agents: Use fire extinguishing methods suitable to surrounding conditions.

5.2 Special hazards arising from the substance or mixture No further relevant information available.

5.3 Advice for firefighters**Protective equipment:**

Wear self-contained respiratory protective device.

Wear fully protective suit.

SECTION 6: Accidental release measures**6.1 Personal precautions, protective equipment and emergency procedures**

Restricted access to the affected area until cleaning work is completed.

Wear protective equipment. Keep unprotected persons away.

Ensure adequate ventilation

Avoid contact with skin and eyes.

Avoid formation of dust.

6.2 Environmental precautions: Do not allow to enter sewers/ surface or ground water.

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6.3 Methods and material for containment and cleaning up:

Pick up mechanically.

Clean again.

Dispose contaminated material as waste according to section 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 disposal information.

SECTION 7: Handling and storage**7.1 Precautions for safe handling**

Keep receptacles tightly sealed.

Avoid contact with skin and eyes.

Prevent formation of dust.

Avoid breathing dust.

Use personal protective equipment as required.

Observe protective measures and safety instructions.

Information about fire - and explosion protection: No special measures required.**7.2 Conditions for safe storage, including any incompatibilities****Storage:****Requirements to be met by storerooms and receptacles:**

Store in dry conditions.

Store in accordance with local/regional/national/international regulations.

Information about storage in one common storage facility: Not required.**Further information about storage conditions:** None.**Recommended storage temperature:** room temperature**Storage class:** 13**7.3 Specific end use(s)** No further relevant information available.*** SECTION 8: Exposure controls/personal protection****8.1 Control parameters****Ingredients with limit values that require monitoring at the workplace:****CAS: 1317-65-3 Limestone**

LEP (Spain)	Long-term value: 10 mg/m ³
VLEP (France)	Long-term value: 10 mg/m ³
TWA (Italy)	Long-term value: 10 mg/m ³ (e)
WGW (Netherlands)	Long-term value: 10 mg/m ³ zie bijl. 3

Regulatory information

LEP (Spain): Límites de exposición profesional para agentes químicos

VLEP (France): ED 1487 05.2021

TWA (Italy): Valori Limite di Soglia

WGW (Netherlands): Grenswaarden gezondheidsschadelijke stoffen

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DNELs		
CAS: 85586-07-8 Sulfuric acid, mono-C12-14-alkyl esters, sodium salts		
Oral	Long-term exposure - systemic effects	24 mg/kg bw/d (consumer)
Dermal	Long-term exposure - systemic effects	2,440 mg/kg bw/d (consumer)
		4,060 mg/kg bw/d (workers)
Inhalative	Long-term exposure - systemic effects	85 mg/m ³ (consumer)
		285 mg/m ³ (workers)
CAS: 68515-73-1 D-Glucopyranose, oligomers, decyl octyl glycosides		
Oral	Long-term exposure - systemic effects	35.7 mg/kg bw/d (consumer)
Dermal	Long-term exposure - systemic effects	357,000 mg/kg bw/d (consumer)
		595,000 mg/kg bw/d (workers)
Inhalative	Long-term exposure - systemic effects	124 mg/m ³ (consumer)
		420 mg/m ³ (workers)
CAS: 8028-48-6 Orange, sweet, extr. (Orangeoil sweet)		
Oral	Long-term exposure - systemic effects	4.44 mg/kg bw/d (consumer)
Dermal	Long-term exposure - systemic effects	4.44 mg/kg bw/d (consumer)
		8.89 mg/kg bw/d (workers)
	short-term exposure - local effects	0.0929 mg/cm ² (consumer)
Inhalative	Long-term exposure - systemic effects	0.1858 mg/cm ² (workers)
		7.78 mg/m ³ (consumer)
		31.1 mg/m ³ (workers)
PNECs		
CAS: 85586-07-8 Sulfuric acid, mono-C12-14-alkyl esters, sodium salts		
fresh water		0.131 mg/l
sea water		0.013 mg/l
intermittent release (fresh water)		0.036 mg/l
STP		1.35 mg/l
sediment (fresh water)		4.61 mg/kg dw
sediment (sea water)		0.461 mg/kg dw
soil		0.846 mg/kg dw
CAS: 68515-73-1 D-Glucopyranose, oligomers, decyl octyl glycosides		
fresh water		0.176 mg/l
sea water		0.018 mg/l
intermittent release (fresh water)		0.27 mg/l
STP		560 mg/l
sediment (fresh water)		1.516 mg/kg dw
sediment (sea water)		0.152 mg/kg dw
soil		0.654 mg/kg dw

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oral	111.11 mg/kg food
CAS: 8028-48-6 Orange, sweet, extr. (Orangeoil sweet)	
fresh water	5.4 µg/l
sea water	0.54 µg/l
intermittent release (fresh water)	5.77 µg/l
STP	2.1 mg/l
sediment (fresh water)	1.3 mg/kg dw
sediment (sea water)	0.13 mg/kg dw
soil	0.261 mg/kg dw

Regulatory information**Additional Occupational Exposure Limit Values for possible hazards during processing:**

The national dust limits must be observed in the event of dust generation.

Additional information: The lists valid during the making were used as basis.

8.2 Exposure controls**Appropriate engineering controls**

No further data; see section 7.

Technical measures and the use of suitable working methods take priority over the use of personal protective equipment.

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.

Keep away from foodstuffs, beverages and feed.

Do not eat or drink while working.

Wash hands before breaks and at the end of work.

Avoid contact with the eyes and skin.

Protective clothing needs to be selected specifically for the workplace, depending on concentrations and quantities of the hazardous substances handled. The chemical resistance of the protective equipment should be enquired at the respective supplier.

Respiratory protection: Not necessary if used as prescribed.

Hand protection

Persons with sensitive skin should wear protective gloves as a precaution.

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Material of gloves

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.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation.

Penetration time of glove material

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

Eye/face protection Not necessary if used as prescribed.

Body protection: Not necessary if used as prescribed.

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Environmental exposure controls Do not allow to enter sewers/ surface or ground water.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

General Information

Physical state	Solid
Colour:	White
Odour:	Lemon
Odour threshold:	No information available.
Melting point/freezing point:	No information available.
Boiling point or initial boiling point and boiling range	≥ 100 °C (CAS: 7732-18-5 water, distilled, conductivity or of similar purity)
Flammability	Product is not flammable.
Lower and upper explosion limit	
Lower:	No information available.
Upper:	No information available.
Flash point:	Not applicable.
Decomposition temperature:	No information available.
pH	Not applicable.
Viscosity:	
Kinematic viscosity	Not applicable.
Dynamic:	Not applicable.
Solubility	
water:	No information available.
Partition coefficient n-octanol/water (log value)	

68515-73-1	D-Glucopyranose, oligomers, decyl octyl glycosides	1,72 log Kow
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Vapour pressure: Not applicable.

Density and/or relative density

Density: No information available.

Vapour density Not applicable.

Particle characteristics

See section 3.

9.2 Other information

Appearance:

Form: Solid

Important information on protection of health and environment, and on safety.

Ignition temperature: Product is not selfigniting.

Explosive properties: Product does not present an explosion hazard.

Change in condition

Softening point/range

Oxidising properties No information available.

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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
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 No decomposition if used and stored according to specifications.

10.3 Possibility of hazardous reactions No dangerous reactions known.

10.4 Conditions to avoid No further relevant information available.

10.5 Incompatible materials: No further relevant information available.

10.6 Hazardous decomposition products: 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:

CAS: 85586-07-8 Sulfuric acid, mono-C12-14-alkyl esters, sodium salts

Oral	LD50	1,800 mg/kg (rat)
Dermal	LD50	> 2,000 mg/kg (Rabbit)

CAS: 68515-73-1 D-Glucopyranose, oligomers, decyl octyl glycosides

Oral	LD50	> 2,000 mg/kg (rat)
Dermal	LD50	> 2,000 mg/kg (Rabbit)

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CAS: 8028-48-6 Orange, sweet, extr. (Orangeoil sweet)

Oral	LD50	> 5,000 mg/kg (rat)
Dermal	LD50	> 5,000 mg/kg (Rabbit)

Skin corrosion/irritation Based on available data, the classification criteria are not met.**Serious eye damage/irritation** Based on available data, the classification criteria are not met.**Respiratory or skin sensitisation**

Contains Litsea cubeba oil, Orange, sweet, extr. (Orangeoil sweet). May produce an allergic reaction.

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:****CAS: 85586-07-8 Sulfuric acid, mono-C12-14-alkyl esters, sodium salts**

EC50 (48 h)	4.7 mg/l (daphnia) (Daphnia magna)
LC50 (96 h)	3.6 mg/l (fish) (Onchorhynchus mykiss)
NOEC (21 d)	0.508 mg/l (daphnia) (Daphnia magna)
NOEC (45 d)	0.508 mg/l (fish) (Pimephales promelas)

CAS: 68515-73-1 D-Glucopyranose, oligomers, decyl octyl glycosides

EC50 (48 h)	> 100 mg/l (daphnia)
LC50 (96 h)	100.81 mg/l (fish)

12.2 Persistence and degradability

The surfactant(s) contained in this mixture complies (comply) with the biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents

68515-73-1	D-Glucopyranose, oligomers, decyl octyl glycosides	100 % (28 d)
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12.3 Bioaccumulative potential

68515-73-1	D-Glucopyranose, oligomers, decyl octyl glycosides	1,72 log Kow
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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.

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

Water hazard class 2 (German Regulation) (Self-assessment): hazardous for water

Do not allow product to reach ground water, water course or sewage system.

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

Smaller quantities can be disposed of with household waste.

Only dispose of product residues via authorised companies according to local legislation.

European waste catalogue

Notes: The European Waste Catalogue (EWC) classifies waste materials and categorises them according to what they are and how they were produced. This may cause other classifications. The final decision belongs to the last user.

20 01 29*	detergents containing hazardous substances
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Uncleaned packaging:**Recommendation:**

Dispose of packaging according to regulations on the disposal of packagings.

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

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

ADR/RID/ADN, IMDG, IATA

not regulated

14.2 UN proper shipping name

ADR/RID/ADN, IMDG, IATA

not regulated

14.3 Transport hazard class(es)

ADR/RID/ADN, ADN, IMDG, IATA

Class

not regulated

14.4 Packing group

ADR/RID/ADN, IMDG, IATA

not regulated

14.5 Environmental hazards:

Not applicable.

14.6 Special precautions for user

Not applicable.

14.7 Maritime transport in bulk according to IMO

instruments

Not applicable.

UN "Model Regulation":

not regulated

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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.

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.

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.

Relevant phrases

H226 Flammable liquid and vapour.

H302 Harmful if swallowed.

H304 May be fatal if swallowed and enters airways.

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

H318 Causes serious eye damage.

H319 Causes serious eye irritation.

H411 Toxic to aquatic life with long lasting effects.

H412 Harmful to aquatic life with long lasting effects.

Department issuing SDS:

UmEnA GmbH

<http://umena.at>Email: office@umena.at**Date of previous version:** 16.03.2023**Version number of previous version:** 1.3

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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)

DNEL: Derived No-Effect Level (REACH)

PNEC: Predicted No-Effect Concentration (REACH)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

Flam. Liq. 3: Flammable liquids – Category 3

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. 1: Skin sensitisation – Category 1

Asp. Tox. 1: Aspiration hazard – Category 1

Aquatic Chronic 2: Hazardous to the aquatic environment - long-term aquatic hazard – Category 2

Aquatic Chronic 3: Hazardous to the aquatic environment - long-term aquatic hazard – Category 3

*** Data compared to the previous version altered.**