

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

1.1. Product identifier

Product form : Mixture
Product name : TABLETTES LAVE-VAISSELLE
Product code : POU0816
Type of product : Detergent

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

1.2.1. Relevant identified uses

Main use category : Professional use

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

REALCO S.A.
Avenue Albert Einstein, 15
B-1348 Louvain-la-Neuve - Belgium
T +32 (0)10 45 30 00 - F +32 (0)10 45 63 63
info@realco.be - www.realco.be

1.4. Emergency telephone number

Emergency number : Int+32-70-245.245

Country	Organisation/Company	Address	Emergency number	Comment
	Centre Anti-Poisons/Antigifcentrum c/o Hôpital Central de la Base - Reine Astrid	Rue Bruyn B -1120 Brussels	+32 70 245 245	

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

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

Skin corrosion/irritation, Category 2 H315
Serious eye damage/eye irritation, Category 2 H319
Full text of H statements : see section 16

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements

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

Hazard pictograms (CLP) :



GHS07

Signal word (CLP) : Warning
Hazard statements (CLP) : H315 - Causes skin irritation.
H319 - Causes serious eye irritation.
Precautionary statements (CLP) : P264 - Wash hands thoroughly after handling.
P280 - Wear eye protection, protective gloves.
P337+P313 - If eye irritation persists: Get medical advice/attention.

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EUH-statements : EUH208 - Contains SUBTILISIN. May produce an allergic reaction.

2.3. Other hazards

No additional information available

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]
sodium carbonate	(CAS-No.) 497-19-8 (EC-No.) 207-838-8 (EC Index-No.) 011-005-00-2 (REACH-no) 01-2119485498-19	15 - 30	Eye Irrit. 2, H319
disodium carbonate, compound with hydrogen peroxide (2:3)	(CAS-No.) 15630-89-4 (EC-No.) 239-707-6	10 - 20	Ox. Sol. 3, H272 Acute Tox. 4 (Oral), H302 Eye Dam. 1, H318
Silicic acid, sodium salt	(CAS-No.) 1344-09-8 (EC-No.) 215-687-4 (REACH-no) 01-2119448725-31	5 - 15	Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H335
		1 - 5	Skin Irrit. 2, H315 Eye Irrit. 2, H319
subtilisin	(CAS-No.) 9014-01-1 (EC-No.) 232-752-2 (EC Index-No.) 647-012-00-8 (REACH-no) 01-2119480434-38	0.1 - 1	Acute Tox. 4 (Oral), H302 Skin Irrit. 2, H315 Eye Dam. 1, H318 Resp. Sens. 1, H334 STOT SE 3, H335 Aquatic Acute 1, H400

Specific concentration limits:

Name	Product identifier	Specific concentration limits
disodium carbonate, compound with hydrogen peroxide (2:3)	(CAS-No.) 15630-89-4 (EC-No.) 239-707-6	(0 ≤C < 25) Acute Tox. 4 (Oral), H302 (10 ≤C < 25) Eye Irrit. 2, H319 (25 ≤C < 100) Eye Dam. 1, H318

Full text of H-statements: see section 16

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general	: If you feel unwell, seek medical advice (show the label where possible). If on skin, take off contaminated clothing.
First-aid measures after inhalation	: Remove victim to fresh air. Allow the victim to rest.
First-aid measures after skin contact	: Wash with plenty of water/.... Remove contaminated clothing and shoes.
First-aid measures after eye contact	: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
First-aid measures after ingestion	: Rinse mouth. Never give anything by mouth to an unconscious person.

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

Symptoms/effects after inhalation	: Cough. May cause respiratory irritation.
Symptoms/effects after skin contact	: Contact during a long period may cause light irritation.

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Symptoms/effects after eye contact	: Redness, pain. Blurred vision.
Symptoms/effects after ingestion	: Ingestion may cause nausea, vomiting and diarrhea.

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	: Water spray. Foam. Carbon dioxide. Dry powder.
Unsuitable extinguishing media	: None.

5.2. Special hazards arising from the substance or mixture

Fire hazard	: None under normal conditions.
Explosion hazard	: Product is not explosive.
Reactivity in case of fire	: On heating/burning: release of harmful gases/vapours (carbon monoxide - carbon dioxide).
Hazardous decomposition products in case of fire	: Thermal decomposition generates : Carbon oxides (CO, CO ₂).

5.3. Advice for firefighters

Precautionary measures fire	: Self-contained breathing apparatus when in close proximity to fire.
Firefighting instructions	: Fight fire remotely due to the risk of explosion.
Protection during firefighting	: Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures	: Ensure adequate ventilation. Collect spillage.
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6.1.1. For non-emergency personnel

Protective equipment	: Personal protection. Avoid raising dust. Do not breathe dust.
Emergency procedures	: Avoid all contact with skin, eyes, or clothing. Evacuate area.

6.1.2. For emergency responders

Protective equipment	: Personal protection. See Heading 8. Equip cleanup crew with proper protection.
Emergency procedures	: Mark the danger area. Stop leak if safe to do so.

6.2. Environmental precautions

Avoid release to the environment. Prevent entry to sewers and public waters.

6.3. Methods and material for containment and cleaning up

For containment	: Dike the product for recovery.
Methods for cleaning up	: Collect spillage. On land, sweep or shovel into suitable containers. Minimise generation of dust.

6.4. Reference to other sections

See Heading 8.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling	: Avoid contact with skin and eyes. Use personal protective equipment as required. Do not eat, drink or smoke when using this product.
Hygiene measures	: Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Wash contaminated clothing before reuse.

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7.2. Conditions for safe storage, including any incompatibilities

Storage conditions	: Store tightly closed in a dry and cool place. Keep only in the original container. Protect from moisture.
Storage temperature	: 4 – 25 °C
Information on mixed storage	: Keep away from food, drink and animal feeding stuffs.
Storage area	: Prevent moisture contact. Keep away from food, drink and animal feeding stuffs.
Packaging materials	: PP.

7.3. Specific end use(s)

Cleaning product.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

subtilisin (9014-01-1)

Belgium - Occupational Exposure Limits

Limit value [mg/m ³]	0,00006 mg/m ³
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8.2. Exposure controls

Appropriate engineering controls:

Ensure adequate ventilation.

Personal protective equipment:

Gloves.

Materials for protective clothing:

No special clothing/skin protection equipment is recommended under normal conditions of use

Hand protection:

In case of repeated or prolonged contact wear gloves. (EN 374)

Eye protection:

None necessary. Avoid contact with eyes

Skin and body protection:

No special clothing/skin protection equipment is recommended under normal conditions of use

Respiratory protection:

Do not breathe dust. None necessary.

Personal protective equipment symbol(s):



Thermal hazard protection:

No specific measures are necessary.

Environmental exposure controls:

Prevent entry to sewers and public waters. Avoid release to the environment.

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Other information:

Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. The equipment must be cleaned thoroughly after each use.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Solid
Appearance	: Pellets/tablets.
Colour	: Green. white.
Odour	: characteristic.
Odour threshold	: The product has not been tested
pH	: Not applicable
Relative evaporation rate (butylacetate=1)	: Not applicable
Melting point	: Not tested
Freezing point	: Not applicable
Boiling point	: Not applicable
Flash point	: Not applicable
Critical temperature	: Not applicable
Auto-ignition temperature	: Not applicable
Decomposition temperature	: Not applicable
Flammability (solid, gas)	: The product is not flammable.
Vapour pressure	: No data available
Relative vapour density at 20 °C	: Not applicable
Relative density	: Not applicable
Density	: 1 kg/l
Solubility	: Soluble in water.
Partition coefficient n-octanol/water (Log Pow)	: The product has not been tested
Partition coefficient n-octanol/water (Log Kow)	: The product has not been tested
Viscosity, kinematic	: No data available
Viscosity, dynamic	: Not applicable
Explosive properties	: Product is not explosive.
Oxidising properties	: Not applicable.
Explosive limits	: Not applicable

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

Stable in use and storage conditions as recommended in item 7.

10.2. Chemical stability

Stable in use and storage conditions as recommended in item 7.

10.3. Possibility of hazardous reactions

Stable under normal conditions of use.

10.4. Conditions to avoid

Moisture.

10.5. Incompatible materials

None to our knowledge.

10.6. Hazardous decomposition products

Thermal decomposition generates : Carbon oxides (CO, CO₂).

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SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity (oral) : Not classified
Acute toxicity (dermal) : Not classified
Acute toxicity (inhalation) : Not classified

sodium carbonate (497-19-8)

LD50 oral rat	> 2000 mg/kg
LC50, mouse, Inhalation	2.3 mg/l (2 Hours)
LC50, mouse, Inhalation	> 5000 mg/l (4 Hours)

disodium carbonate, compound with hydrogen peroxide (2:3) (15630-89-4)

LD50 oral	1034 mg/kg
LC50 Inhalation - Rat	1,2 g/m ³

subtilisin (9014-01-1)

LD50 oral rat	1800 mg/kg
LD50 dermal rabbit	> 2 ml/kg
LC50 Inhalation - Rat (Dust/Mist)	0,8 mg/l/4h

LD50 oral rat	> 2000 mg/kg
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Skin corrosion/irritation : Causes skin irritation.
pH: Not applicable
Serious eye damage/irritation : Causes serious eye irritation.
pH: Not applicable
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

subtilisin (9014-01-1)

NOAEL (oral, rat, 90 days)	> 50000 mg/kg bodyweight/day
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Aspiration hazard : Not classified

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) : Not classified

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sodium carbonate (497-19-8)	
LC50, Fish	> 200 mg/l (96 Hours)
EC50, daphnia, Daphnia magna	> 200 mg/l (48 Hours)

subtilisin (9014-01-1)	
EC50, daphnia	0.17 mg/l (48 Hours)
NOEC, algae, Pseudokirchneriella subcapitata	0.041 mg/l (72 Hours)
LC50, fish, Oncorhynchus mykiss (Rainbow trout)	8,2 mg/l (96 Hours)

LC50 fish 1	100 mg/l
EC50 other aquatic organisms 1	100 mg/l
EC50 72h algae (1)	100 mg/l

12.2. Persistence and degradability

sodium carbonate (497-19-8)	
Persistence and degradability	Mineral.

subtilisin (9014-01-1)	
Persistence and degradability	Biodegradable.

12.3. Bioaccumulative potential

TABLETTES LAVE-VAISSELLE	
Partition coefficient n-octanol/water (Log Pow)	The product has not been tested
Partition coefficient n-octanol/water (Log Kow)	The product has not been tested

sodium carbonate (497-19-8)	
Bioaccumulative potential	not bioaccumulable.

subtilisin (9014-01-1)	
Bioaccumulative potential	Slightly or not bioaccumulative.

12.4. Mobility in soil

sodium carbonate (497-19-8)	
Ecology - soil	Soluble in water.

12.5. Results of PBT and vPvB assessment

Component	
subtilisin (9014-01-1)	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

No additional information available

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SECTION 13: Disposal considerations

13.1. Waste treatment methods

Regional legislation (waste)	: Disposal must be done according to official regulations.
Waste treatment methods	: Dispose in a safe manner in accordance with local/national regulations.
Sewage disposal recommendations	: May be discharged to wastewater treatment installation.
Product/Packaging disposal recommendations	: When totally empty, containers are recyclable like any other packing. Dispose of contents/container to hazardous or special waste collection point.
Ecology - waste materials	: Collect all waste in suitable and labelled containers and dispose according to local legislation. Avoid release to the environment.
European List of Waste (LoW) code	: 20 01 29* - detergents containing dangerous substances
HP Code	: H4 - 'Irritant': non-corrosive substances and preparations which, through immediate, prolonged or repeated contact with the skin or mucous membrane, can cause inflammation.
R code/ D code	: D9 - Physico-chemical treatment not specified elsewhere in this Annex which results in final compounds or mixtures which are discarded by means of any of the operations numbered D 1 to D 12 (e.g. evaporation, drying, calcination, etc.)

SECTION 14: Transport information

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

ADR	IMDG	IATA	ADN	RID
14.1. UN number				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.2. UN proper shipping name				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.3. Transport hazard class(es)				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.4. Packing group				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.5. Environmental hazards				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
No supplementary information available				

14.6. Special precautions for user

Overland transport

Not applicable

Transport by sea

Not applicable

Air transport

Not applicable

Inland waterway transport

Not applicable

Rail transport

Not applicable

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

Contains no substance subject to Regulation (EU) No 649/2012 of the European Parliament and of the Council of 4 July 2012 concerning the export and import of hazardous chemicals.

Contains no substance subject to Regulation (EU) No 2019/1021 of the European Parliament and of the Council of 20 June 2019 on persistent organic pollutants

Detergent Regulation (648/2004/EC): Labelling of contents:	
Component	%
oxygen-based bleaching agents	15-30%
enzymes	

15.1.2. National regulations

No additional information available

15.2. Chemical safety assessment

No data available

SECTION 16: Other information

Indication of changes:			
Section	Changed item	Change	Comments
	Supersedes	Modified	
8.2	Hand protection	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
Eye Dam. 1	Serious eye damage/eye irritation, Category 1
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
Ox. Sol. 3	Oxidising Solids, Category 3
Resp. Sens. 1	Respiratory sensitisation, Category 1
Skin Irrit. 2	Skin corrosion/irritation, Category 2
STOT SE 3	Specific target organ toxicity — Single exposure, Category 3, Respiratory tract irritation
H272	May intensify fire; oxidiser.
H302	Harmful if swallowed.
H315	Causes skin irritation.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H334	May cause allergy or asthma symptoms or breathing difficulties if inhaled.
H335	May cause respiratory irritation.
H400	Very toxic to aquatic life.

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according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

EUH208	Contains SUBTILISIN. May produce an allergic reaction.
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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.