

Safety Data Sheet

FRIGGITRICE

Safety Data Sheet dated 28/08/2025 version 1

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

1.1. Product identifier

Mixture identification:

Trade name: FRIGGITRICE

UFI: PVQ5-10U1-G00C-P6PF

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

Recommended use: Detergent for hard surfaces.

Professional use (SU22) - Washing and cleaning products (PC35)

Uses advised against: Different uses than recommended. Do not use in combination with other products.

1.3. Details of the supplier of the safety data sheet

Manufacturer:

SUTTER INDUSTRIES s.p.a. - Società con Unico Socio

15060 Borghetto Borbera (AL) Italia

Tel. +39 0143 631.1

DISTRIBUITO DA SUTTER PROFESSIONAL S.R.L.

- 15060 Borghetto Borbera (AL) - Italia - Tel. +39 0143 631.1

Responsable: regulatory.affairs@sutter.it

1.4. Emergency telephone number

+39 0143 631.1 mon-fri 9.00/17.00

SECTION 2: Hazards identification



2.1. Classification of the substance or mixture

Regulation (EC) n. 1272/2008 (CLP)

Skin Corr. 1B Causes severe skin burns and eye damage.

Eye Dam. 1 Causes serious eye damage.

STOT SE 3 May cause respiratory irritation.

Aquatic Chronic 3 Harmful to aquatic life with long lasting effects.

Adverse physicochemical, human health and environmental effects:

No other hazards

2.2. Label elements

Regulation (EC) No 1272/2008 (CLP):

Hazard pictograms and Signal Word



Danger

Hazard statements

H314 Causes severe skin burns and eye damage.

H335 May cause respiratory irritation.

H412 Harmful to aquatic life with long lasting effects.

Precautionary statements

P260 Do not breathe dust/fume/gas/mist/vapours/spray.

P273 Avoid release to the environment.

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 [or shower].

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/physician.
P501 Dispose of contents/container in accordance with local regulation.

Special Provisions:

EUH210 Safety data sheet available on request.

Contains

SODIUM METASILICATE PENTAHYDRATE
DICHLORISOCYANURATE
SODIUM SILICATE

Regulation (EC) nr 648/2004 (Detergents).

Product contents:

non-ionic surfactants	< 5%
chlorine-based bleaching agents	< 5%
phosphates	5-15%
phosphonates	< 5%

Special provisions according to Annex XVII of REACH and subsequent amendments:

None.

2.3. Other hazards

No PBT, vPvB or endocrine disruptor substances
present in concentration $\geq 0.1\%$.

Other Hazards: No other hazards

SECTION 3: Composition/information on ingredients

3.1. Substances

Not Applicable, the product is a mixture.

3.2. Mixtures

Mixture identification: FRIGGITRICE

Hazardous components within the meaning of the CLP regulation and related classification:

Qty	Name	Ident. Numb.	Classification	Registration Number
$\geq 30 - < 50 \%$	SODIUM METASILICATE PENTAHYDRATE	CAS:10213-79-3 EC:229-912-9 Index:014-010-00-8	Skin Corr. 1B, H314; Eye Dam. 1, H318; STOT SE 3, H335; Met. Corr. 1, H290	01-2119449811-37-xxxx
$\geq 19 - < 29 \%$	sodium carbonate	CAS:497-19-8 EC:207-838-8 Index:011-005-00-2	Eye Irrit. 2, H319	01-2119485498-19-xxxx
$\geq 3 - < 8 \%$	SODIUM SILICATE	CAS:1344-09-8 EC:215-687-4	Skin Irrit. 2, H315; Eye Dam. 1, H318; STOT SE 3, H335	01-2119448725-31
$\geq 0.5 - < 2 \%$	DICHLORISOCYANURATE	CAS:51580-86-0 EC:220-767-7 Index:613-030-01-7	Eye Irrit. 2, H319; STOT SE 3, H335; Aquatic Acute 1, H400; Aquatic Chronic 1, H410; Acute Tox. 4, H302, EUH031	01-2119489371-33-xxxx

SECTION 4: First aid measures

4.1. Description of first aid measures

In case of skin contact:

Immediately take off all contaminated clothing.
OBTAIN IMMEDIATE MEDICAL ATTENTION.
Remove contaminated clothing immediately and dispose off safely.
After contact with skin, wash immediately with soap and plenty of water.

In case of eyes contact:

After contact with the eyes, rinse with water with the eyelids open for a sufficient length of time, then consult an ophthalmologist immediately.
Protect uninjured eye.

In case of Ingestion:

Do not induce vomiting, get medical attention showing the SDS and label hazardous.

In case of Inhalation:

In case of inhalation, consult a doctor immediately and show him packing or label.

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

Acute effects:

Severe skin and eye irritation for contact.

Irritation interior system if swallowed. Until revision date of this document, are unknown chronic effects from the mixture contact with skin, eyes, inhalation, ingestion

4.3. Indication of any immediate medical attention and special treatment needed

In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media:

Water.

Carbon dioxide (CO₂).

Extinguishing media which must not be used for safety reasons:

None in particular.

5.2. Special hazards arising from the substance or mixture

The mixture does not contain ingredients classified as explosive according to EC Regulation 1272/2008 (CLP).

Do not inhale explosion and combustion gases.

Burning produces heavy smoke.

5.3. Advice for firefighters

Use suitable breathing apparatus .

Collect contaminated fire extinguishing water separately. This must not be discharged into drains.

Move undamaged containers from immediate hazard area if it can be done safely.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

For non emergency personnel:

Wear personal protection equipment.

Wear breathing apparatus if exposed to vapours/dusts/aerosols.

Provide adequate ventilation.

Use appropriate respiratory protection.

See protective measures under point 7 and 8.

For emergency responders:

Wear personal protection equipment.

6.2. Environmental precautions

Do not allow to enter into soil/subsoil. Do not allow to enter into surface water or drains.

Retain contaminated washing water and dispose it.

In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities.

Suitable material for taking up: absorbing material, organic, sand

6.3. Methods and material for containment and cleaning up

Wash with plenty of water. To converge the product in containment tanks.

6.4. Reference to other sections

See also section 8 and 13

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Avoid contact with skin and eyes, inhalation of vapours and mists.

Use localized ventilation system.

Don't use empty container before they have been cleaned.

Before making transfer operations, assure that there aren't any incompatible material residuals in the containers.

See also section 8 for recommended protective equipment.

Advice on general occupational hygiene:

Contaminated clothing should be changed before entering eating areas.

Do not eat or drink while working.

7.2. Conditions for safe storage, including any incompatibilities

Store away from sunlight. Store in a cool and well ventilated place. Store in area dedicated to alkali products, keep away from acids and oxygen or peracetic acid based oxidants. Store away from heat sources. Do not store in open or unlabeled containers

Keep away from food, drink and feed.

Incompatible materials:

Until the revision date of this document, no adverse effects and symptoms to exposure of the product are known, including chemical reactivity and instability.

See also section 7.2.

Keep away from acids.

Instructions as regards storage premises:

Adequately ventilated premises.

7.3. Specific end use(s)

None in particular, see paragraph 1.2

Industrial sector specific solutions:

None in particular, see paragraph 1.2

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Until the revision date of this document, no experimental data are available for the mixture. Below, listed occupational exposure limits, if available, for the components listed in paragraph 3.2.

Community Occupational Exposure Limits (OEL)

SODIUM METASILICATE PENTAHYDRATE

CAS: 10213-79-3 EU Short Term: 3 mg/m³
Notes: OEL Inhalable fraction

Short Term: 10 mg/m³
Notes: OEL respirable fraction

Predicted No Effect Concentration (PNEC) values

SODIUM METASILICATE PENTAHYDRATE

CAS: 10213-79-3 Exposure Route: Fresh Water; PNEC Limit: 7.5 mg/l
Exposure Route: Marine water; PNEC Limit: 1 mg/l
Exposure Route: Microorganisms in sewage treatments; PNEC Limit: 1000 mg/l

SODIUM SILICATE

CAS: 1344-09-8 Exposure Route: Fresh Water; PNEC Limit: 7.5 mg/l
Exposure Route: Marine water; PNEC Limit: 1 mg/l
Exposure Route: Microorganisms in sewage treatments; PNEC Limit: 348 mg/l

Derived No Effect Level (DNEL) values

SODIUM METASILICATE PENTAHYDRATE

CAS: 10213-79-3 Exposure Route: Human Inhalation; Exposure Frequency: Long Term, systemic effects
Worker Industry: 6.22 mg/m³; Consumer: 1.55 mg/m³

Exposure Route: Human Dermal; Exposure Frequency: Long Term, systemic effects
Worker Industry: 1.49 mg/kg; Consumer: 0.74 mg/kg
Remark: bw/d

Exposure Route: Human Oral; Exposure Frequency: Long Term, systemic effects
Consumer: 0.74 mg/kg
Remark: bw/d

sodium carbonate

CAS: 497-19-8 Exposure Route: Human Inhalation; Exposure Frequency: Long Term, local effects
Worker Industry: 10 mg/m³

Exposure Route: Human Inhalation; Exposure Frequency: Long Term, local effects
Consumer: 5 mg/m³

SODIUM SILICATE

CAS: 1344-09-8 Exposure Route: Human Dermal; Exposure Frequency: Long Term, local effects
Worker Professional: 1.59 mg/kg; Consumer: 0.8 mg/kg

Exposure Route: Human Inhalation; Exposure Frequency: Long Term, local effects
Worker Professional: 5.61 mg/m³; Consumer: 1.38 mg/m³

Exposure Route: Human Oral; Exposure Frequency: Long Term, local effects
Consumer: 0.8 mg/kg

8.2. Exposure controls

Eye protection:

Use close fitting safety goggles, don't use eye lens.(EN 166)

Protection for skin:

Use clothing that provides comprehensive protection to the skin, e.g. cotton, rubber, PVC or viton (EN 14605 in case of splashes or EN 13982 in case of dust)

Protection for hands:

Use protective gloves that provides comprehensive protection, e.g. P.V.C., neoprene or rubber. (ex. EN 388 - EN 374 protection factor 6, corresponding to a breakthrough time >480 minutes).

Due to great diversity of types, observe the operating instructions of the manufacturer with respect to substances listed in paragraph 3.2.

Respiratory protection:

Use adequate protective respiratory equipment. (eg. EN 140 or EN 149)

Thermal Hazards:

The product is not flammable or explosive - see paragraph 2.1. The product contains no explosive components.

Until the revision date of this document, no adverse effects and symptoms to exposure of the product are known, including chemical reactivity and instability.

Environmental exposure controls:

Until the revision date of this document, no adverse effects and symptoms to exposure of the product are known, including chemical reactivity and instability.

See also section 6.2.

Hygienic and Technical measures

Data not available.

Appropriate engineering controls:

No further technical checks suitable for your product under normal conditions.

See also section 1.2, section 7 and Exposure Scenario - Annex I of this document.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state:	Solid Method: Visual
Colour:	white Method: Visual
Odour:	Technical Method: Olfactory Notes: Absence of fragrances
pH:	12,0 +/- 0,5 Method: Instrumental control
Kinematic viscosity:	Not applicable
Melting point/freezing point:	Not Relevant Notes: Parameter not relevant for the type of product
Boiling point or initial boiling point and boiling range:	Not Relevant Notes: Parameter not relevant for the type of product
Flash point:	Not Relevant Notes: Parameter not relevant for the type of product
Lower and upper explosion limit:	Not Relevant

	Notes: Parameter not relevant for product composition.
Relative vapour density:	Not Relevant Notes: Parameter not relevant for the type of product
Vapour pressure:	Not Relevant Notes: Parameter not relevant for the type of product
Density and/or relative density:	Not Relevant Notes: Parameter not relevant for the type of product
Solubility in water:	Total Notes: Estimated value on chemical / physical properties of components
Solubility in oil:	Not Relevant Notes: Parameter not relevant for product composition.
Partition coefficient n-octanol/water (log value):	Not Relevant Notes: Parameter not relevant for product composition.
Auto-ignition temperature:	Not Relevant Notes: Parameter not relevant for product composition.
Decomposition temperature:	Not Relevant Notes: Parameter not relevant for product composition.
Flammability:	Non-flammable Notes: Estimated parameter on chemical / physical properties of components.

Particle characteristics:

Particle size:	Not Relevant Notes: Parameter not relevant for the type of product
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9.2. Other information

Explosive properties:	Not Relevant Notes: Parameter not relevant for product composition.
Evaporation rate:	Not Relevant Notes: Parameter not relevant for the type of product
Miscibility:	Not Relevant Notes: Parameter not relevant for product composition.
Conductivity:	Not Relevant Notes: Parameter not relevant for product composition.
Oxidizing properties:	Not Relevant Notes: Parameter not relevant for product composition.
Substance Groups relevant properties	Not Relevant Notes: Parameter not relevant for product composition.
No other relevant information	

SECTION 10: Stability and reactivity

10.1. Reactivity

Do not use in combination with other products. Reacts with water and acids releasing chlorine

10.2. Chemical stability

Until the revision date of this document, no adverse effects and symptoms to exposure of the product are known, including chemical reactivity and instability.

10.3. Possibility of hazardous reactions

Store in area dedicated to alkali products, keep away from acids and oxygen or peracetic acid based oxidants. Il prodotto reagisce con superfici zincate dei metalli, alluminio, rame, zinco e loro leghe. Until the revision date of this document, no adverse effects and symptoms to exposure of the product are known, including chemical reactivity and instability.

See also section 7.2

10.4. Conditions to avoid

Different uses than recommended. Do not use in combination with other products. See also 1.2 and 7.2; Avoid direct sunlight and exposure to heat sources

10.5. Incompatible materials

Acids and oxidants; Store in area dedicated to alkali products, keep away from acids and oxygen based oxidants and peracetic acid. Until the revision date of this document, no adverse effects and symptoms to exposure of the product are known, including chemical reactivity and instability. see also 1.2 and 7.2

10.6. Hazardous decomposition products

Toxic gas, chlorine. Do not use in combination with other products

SECTION 11: Toxicological information

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

Toxicological Information of the Preparation

a) acute toxicity	Not classified Based on available data, the classification criteria are not met
b) skin corrosion/irritation	The product is classified: Skin Corr. 1B(H314)
c) serious eye damage/irritation	The product is classified: Eye Dam. 1(H318)
d) respiratory or skin sensitisation	Not classified Based on available data, the classification criteria are not met
e) germ cell mutagenicity	Not classified Based on available data, the classification criteria are not met
f) carcinogenicity	Not classified Based on available data, the classification criteria are not met
g) reproductive toxicity	Not classified Based on available data, the classification criteria are not met
h) STOT-single exposure	The product is classified: STOT SE 3(H335)
i) STOT-repeated exposure	Not classified Based on available data, the classification criteria are not met
j) aspiration hazard	Not classified Based on available data, the classification criteria are not met

Toxicological information on main components of the mixture:

SODIUM METASILICATE PENTAHYDRATE

CAS: 10213-79-3	a) acute toxicity	LD50 Oral Mouse = 1152 mg/kg bw/d LD50 Skin Rat > 5000 mg/kg bw/d LC50 Inhalation Rat > 2.06 mg/l 4h
	b) skin corrosion/irritation	Skin Corrosive Positive
	c) serious eye damage/irritation	Eye Corrosive Positive
	d) respiratory or skin sensitisation	Skin or Resp. Sensitization Negative
	h) STOT-single exposure	Respiratory Tract Irritant Positive

sodium carbonate

CAS: 497-19-8	a) acute toxicity	LD50 Oral Rat = 2800 mg/kg LD50 Skin Rabbit > 2000 mg/kg
	b) skin corrosion/irritation	Skin Irritant Rabbit Negative
	c) serious eye damage/irritation	Eye Irritant Rabbit Positive
	e) germ cell mutagenicity	Mutagenesis Negative
	g) reproductive toxicity	NOAEL Oral Rabbit >= 179 mg/kg bw/d Notes: bw/d

SODIUM SILICATE

CAS: 1344-09-8 a) acute toxicity LD50 Oral Rat = 3400 mg/kg
LC50 Inhalation Rat > 2.6 g/m3
LD50 Skin Rat > 5000 mg/kg

DICHLORISOCYANURATE

CAS: 51580-86-0 a) acute toxicity LD50 Oral Rat = 735 mg/kg
LD50 Skin Rat > 200 mg/kg

11.2. Information on other hazards

Endocrine disrupting properties:

No endocrine disruptor substances present in concentration $\geq 0.1\%$

SECTION 12: Ecological information

12.1. Toxicity

Until the revision date of this document, are not available experimental data on the mixture.

Below are reported, if available, the eco-toxicological information of the components listed in paragraph 3.2.

Adopt good working practices, so that the product is not released into the environment.

Eco-Toxicological Information:

Harmful to aquatic life with long lasting effects.

List of Eco-Toxicological properties of the product

The product is classified: Aquatic Chronic 3(H412)

List of Eco-Toxicological properties of the components

SODIUM METASILICATE PENTAHYDRATE

CAS: 10213-79-3 a) Aquatic acute toxicity: LC50 Fish = 210 mg/L 96h - *Brachydanio rerio*
a) Aquatic acute toxicity: EC50 Daphnia = 1700 mg/L 48h - *Daphnia magna*
a) Aquatic acute toxicity: EC50 Algae = 207 mg/L 72h - *Scenedesmus subspicatus*

sodium carbonate

CAS: 497-19-8 a) Aquatic acute toxicity: LC50 Fish = 300 mg/L 96h - *Lepomis macrochirus*
a) Aquatic acute toxicity: EC50 Daphnia = 200 mg/L 48h - *Ceriodaphnia dubia*

SODIUM SILICATE

CAS: 1344-09-8 a) Aquatic acute toxicity: LC50 Fish = 1108 mg/L 96h - *Brachydanio rerio*
 a) Aquatic acute toxicity: LC50 Fish = 260 mg/L 96h - *Oncorhynchus mykiss*
 a) Aquatic acute toxicity: EC50 Algae = 207 mg/L 72h - *Scenedesmus subspicatus*

DICHLORISOCYANURATE

CAS: 51580-86-0 a) Aquatic acute toxicity: LC50 Fish = 0.22 mg/L 96h
a) Aquatic acute toxicity: EC50 Daphnia = 0.196 mg/L

12.2. Persistence and degradability

Until the revision date of this document, are not available experimental data on the mixture.

Below are reported, if available, the eco-toxicological information of the components listed in paragraph 3.2.

N.A.

The surfactant(s) contained in this preparation complies with the biodegradability criteria laid down in Regulation (EC) No 648/2004 on detergents. All supporting data are kept available to the competent authorities of the Member States and will be provided to those authorities if they so request or at the request of a detergent manufacturer.

12.3. Bioaccumulative potential

Until the revision date of this document, are not available experimental data on the mixture.

Below are reported, if available, the eco-toxicological information of the components listed in paragraph 3.2.

N.A.

12.4. Mobility in soil

Until the revision date of this document, are not available experimental data on the mixture.

Below are reported, if available, the eco-toxicological information of the components listed in paragraph 3.2.

N.A.

12.5. Results of PBT and vPvB assessment

No PBT or vPvB substances present in concentration $\geq 0.1\%$

12.6 Endocrine disrupting properties

No endocrine disruptor substances present in concentration $\geq 0.1\%$

12.7 Other adverse effects

Until the revision date of this document, unknown adverse effects and symptoms towards the environment.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Recover, if possible. Send to authorised disposal plants or for incineration under controlled conditions. In so doing, comply with the local and national regulations currently in force. Do not discharge into the ground or into drains.

See also section 6

SECTION 14: Transport information



14.1. UN number or ID number

3262

14.2. UN proper shipping name

ADR-Shipping Name: CORROSIVE SOLID, BASIC, INORGANIC, N.O.S. (SODIUM METASILICATE PENTAHYDRATE)

IATA-Shipping Name: CORROSIVE SOLID, BASIC, INORGANIC, N.O.S.(SODIUM METASILICATE PENTAHYDRATE) (SODIUM METASILICATE PENTAHYDRATE)

IMDG-Shipping Name: CORROSIVE SOLID, BASIC, INORGANIC, N.O.S.(SODIUM METASILICATE PENTAHYDRATE) (SODIUM METASILICATE PENTAHYDRATE)

14.3. Transport hazard class(es)

ADR-Class: 8

IATA-Class: 8

IMDG-Class: 8

14.4. Packing group

ADR-Packing Group: III

IATA-Packing group: III

IMDG-Packing group: III

14.5. Environmental hazards

Marine pollutant: No

Environmental Pollutant: No

IMDG-EMS: F-A, S-B

14.6. Special precautions for user

Road and Rail (ADR-RID):

ADR-Label: 8

ADR-Special Provisions: 274

ADR-Transport category (Tunnel restriction code): E

Air (IATA):

IATA-Passenger Aircraft: 860

IATA-Cargo Aircraft: 864

IATA-Label: 8

IATA-Subsidiary hazards: -

IATA-Erg: 8L

IATA-Special Provisions: A3 A803

Sea (IMDG):

IMDG-Stowage and handling: Category A

IMDG-Segregation: SG35 SGG18

IMDG-Subsidiary hazards: -

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

Dir. 98/24/EC (Risks related to chemical agents at work)

Dir. 2000/39/EC (Occupational exposure limit values)

Regulation (EC) n. 1907/2006 (REACH)

Regulation (EC) n. 1272/2008 (CLP)

Regulation (EC) n. 790/2009 (ATP 1 CLP) and (EU) n. 758/2013

Regulation (EU) n. 286/2011 (ATP 2 CLP)

Regulation (EU) n. 618/2012 (ATP 3 CLP)

Regulation (EU) n. 487/2013 (ATP 4 CLP)

Regulation (EU) n. 944/2013 (ATP 5 CLP)

Regulation (EU) n. 605/2014 (ATP 6 CLP)

Regulation (EU) n. 2015/1221 (ATP 7 CLP)

Regulation (EU) n. 2016/918 (ATP 8 CLP)

Regulation (EU) n. 2016/1179 (ATP 9 CLP)

Regulation (EU) n. 2017/776 (ATP 10 CLP)

Regulation (EU) n. 2018/669 (ATP 11 CLP)

Regulation (EU) n. 2018/1480 (ATP 13 CLP)

Regulation (EU) n. 2019/521 (ATP 12 CLP)

Regulation (EU) n. 2020/217 (ATP 14 CLP)

Regulation (EU) n. 2020/1182 (ATP 15 CLP)

Regulation (EU) n. 2021/643 (ATP 16 CLP)

Regulation (EU) n. 2021/849 (ATP 17 CLP)

Regulation (EU) n. 2022/692 (ATP 18 CLP)

Regulation (EU) n. 2023/707

Regulation (EU) n. 2023/1434 (ATP 19 CLP)

Regulation (EU) n. 2023/1435 (ATP 20 CLP)

Regulation (EU) n. 2024/197 (ATP 21 CLP)

Regulation (EU) n. 2020/878

Restrictions related to the product or the substances contained according to Annex XVII Regulation (EC) 1907/2006 (REACH) and subsequent modifications:

Restrictions related to the product: None.

Restrictions related to the substances contained: None.

Where applicable, refer to the following regulatory provisions :

Circolari ministeriali 46 e 61 (Ammine aromatiche).

Directive 2012/18/EU (Seveso III)

Regulation (EC) nr 648/2004 (Detergents).

1999/13/EC (VOC directive)

Dir. 2004/42/EC (VOC directive)

Provisions related to directive EU 2012/18 (Seveso III):

None

Regulation (EU) No 649/2012 (PIC regulation)

No substances listed

SVHC Substances:

No SVHC substances present in concentration $\geq 0.1\%$

15.2. Chemical safety assessment

No, for instructions on safe mangling you see Sections 7 and 8 and the exposure scenario - Annex I of this document.

No Chemical Safety Assessment has been carried out for the mixture.

SECTION 16: Other information

Code	Description
EUH031	Contact with acids liberates toxic gas.

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.
H319	Causes serious eye irritation.
H335	May cause respiratory irritation.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.

Code	Hazard class and hazard category	Description
2.16/1	Met. Corr. 1	Substance or mixture corrosive to metals, Category 1
3.1/4/Oral	Acute Tox. 4	Acute toxicity (oral), Category 4
3.2/1B	Skin Corr. 1B	Skin corrosion, Category 1B
3.2/2	Skin Irrit. 2	Skin irritation, Category 2
3.3/1	Eye Dam. 1	Serious eye damage, Category 1
3.3/2	Eye Irrit. 2	Eye irritation, Category 2
3.8/3	STOT SE 3	Specific target organ toxicity — single exposure, Category 3
4.1/A1	Aquatic Acute 1	Acute aquatic hazard, category 1
4.1/C1	Aquatic Chronic 1	Chronic (long term) aquatic hazard, category 1
4.1/C3	Aquatic Chronic 3	Chronic (long term) aquatic hazard, category 3

Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]:

Classification according to Regulation (EC) Nr. 1272/2008 Classification procedure

Skin Corr. 1B, H314	On basis of test data (pH)
Eye Dam. 1, H318	On basis of test data (pH)
STOT SE 3, H335	Calculation method
Aquatic Chronic 3, H412	Calculation method

This safety data sheet has been completely updated in compliance to Regulation 2020/878.

This document was prepared by a competent person who has received appropriate training.

Main bibliographic sources:

ECDIN - Environmental Chemicals Data and Information Network - Joint Research Centre, Commission of the European Communities

SAX's DANGEROUS PROPERTIES OF INDUSTRIAL MATERIALS - Eight Edition - Van Nostrand Reinold

The information contained herein is based on our state of knowledge at the above-specified date. It refers solely to the product indicated and constitutes no guarantee of particular quality.

It is the duty of the user to ensure that this information is appropriate and complete with respect to the specific use intended.

This MSDS cancels and replaces any preceding release.

Legend to abbreviations and acronyms used in the safety data sheet:

ACGIH: American Conference of Governmental Industrial Hygienists

ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road.

AND: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways

ATE: Acute Toxicity Estimate

ATEmix: Acute toxicity Estimate (Mixtures)

BCF: Biological Concentration Factor

BEI: Biological Exposure Index

BOD: Biochemical Oxygen Demand

CAS: Chemical Abstracts Service (division of the American Chemical Society).

CAV: Poison Center

CE: European Community

CLP: Classification, Labeling, Packaging.

CMR: Carcinogenic, Mutagenic and Reprotoxic

COD: Chemical Oxygen Demand

COV: Volatile Organic Compound
CSA: Chemical Safety Assessment
CSR: Chemical Safety Report
DMEL: Derived Minimal Effect Level
DNEL: Derived No Effect Level.
DPD: Dangerous Preparations Directive
DSD: Dangerous Substances Directive
EC50: Half Maximal Effective Concentration
ECHA: European Chemicals Agency
EINECS: European Inventory of Existing Commercial Chemical Substances.
ES: Exposure Scenario
GefStoffVO: Ordinance on Hazardous Substances, Germany.
GHS: Globally Harmonized System of Classification and Labeling of Chemicals.
IARC: International Agency for Research on Cancer
IATA: International Air Transport Association.
IATA-DGR: Dangerous Goods Regulation by the "International Air Transport Association" (IATA).
IC50: half maximal inhibitory concentration
ICAO: International Civil Aviation Organization.
ICAO-TI: Technical Instructions by the "International Civil Aviation Organization" (ICAO).
IMDG: International Maritime Code for Dangerous Goods.
INCI: International Nomenclature of Cosmetic Ingredients.
IRCCS: Scientific Institute for Research, Hospitalization and Health Care
KAFH: Keep Away From Heat
KSt: Explosion coefficient.
LC50: Lethal concentration, for 50 percent of test population.
LD50: Lethal dose, for 50 percent of test population.
LDLo: Leathal Dose Low
N.A.: Not Applicable
N/A: Not Applicable
N/D: Not defined/ Not available
NA: Not available
NIOSH: National Institute for Occupational Safety and Health
NOAEL: No Observed Adverse Effect Level
OSHA: Occupational Safety and Health Administration
PBT: Persistent, Bioaccumulative and Toxic
PGK: Packaging Instruction
PNEC: Predicted No Effect Concentration.
PSG: Passengers
RID: Regulation Concerning the International Transport of Dangerous Goods by Rail.
STEL: Short Term Exposure limit.
STOT: Specific Target Organ Toxicity.
TLV: Threshold Limiting Value.
TWATLV: Threshold Limit Value for the Time Weighted Average 8 hour day. (ACGIH Standard).
vPvB: Very Persistent, Very Bioaccumulative.
WGK: German Water Hazard Class.
EC0/10/20/50/100: Effective concentration, for 0/10/20/50/100 percent of test population.
LD0/10/20/50/100: Lethal dose, for 0/10/20/50/100 percent of test population.
LC0/10/20/50/100: Lethal concentration, for 0/10/20/50/100 percent of test population.
NOEC: No Observed Effect Concentration
NOAEL(R)/NOAEC: No Observed Adverse Effect Level(Repeated)/Concentration
OECD: Organisation for Economic Co-operation and Development
OEL: Occupational Exposure Limit

ANNEX I

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PROFESSIONAL PRODUCT – LAUNDRY or AUTOMATIC DISHWASH DETERGENT

Title of exposure scenario	
Detergent for general cleaning: Manual or machine process.	
Use description	
Sector Use	SU22 – Professional use
Product Category	PC35 – Washing and cleaning products (including solvent based products)
Description of activities/process considered on exposure scenario.	
Use the recommended dose according to water hardness and degree of soiling, following the instructions on the label or technical data sheet.	
Frequency and duration	
Use phase	1 or more times a day. Duration depends on washing program.
Relevant limit values of ingredients, if available, are stated in section 8 of the SDS.	
Physical appearance and concentration	
Liquid or powder. To dilute.	
In section 2 of the SDS of product and on the label the classification of mixture is provided.	
Mixture classification is based on ingredients classification and on chemical/physical properties stated in section 9 of the SDS of product.	
Use conditions	
Room temperature /for recommended washing temperature see label or tecnica sheet.	
Protection	
See section 8 of the SDS of product to more information on PPE.	Training of worker to use and maintenance of PPE is supposed.
Don't eat or drink, don't smoke.	Avoid contact with damaged skin.
No open flame.	Do not use in combination with other products
Wash hand after use.	
In case of accidental release: dilute with water and dry.	
Follow use instruction as specified on the label or on technical sheet. Use good occupational hygiene practices as specified in section 7 on the SDS.	
Environmental measures	
See section 6 of the SDS in case of accidental release	
See section 12 of the SDS for ecotoxicological information of mixture and dangerous ingredients.	
See section 13 of the SDS for disposal considerations.	

Note:

SDS: Safety Data Sheet

PPE: Personal Protection Equipment