

Safety Data Sheet dated 11/7/2016, version 3

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

1.1. Product identifier

Mixture identification

Trade name:

PLURAL PLUS

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

Recommended use:

Detergent for hard surfaces.

Professional use (SU22) - Products for washing and cleaning (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

Competent person responsible for the safety data sheet:

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

EC regulation criteria 1272/2008 (CLP)

Warning, Flam. Liq. 3, Flammable liquid and vapour.

Warning, Eye Irrit. 2, Causes serious eye irritation.

Adverse physicochemical, human health and environmental effects:

No other hazards

2.2. Label elements

Hazard pictograms:





Warning

Hazard statements:

H226 Flammable liquid and vapour.

H319 Causes serious eye irritation.

Precautionary statements:

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P233 Keep container tightly closed.

P280 Wear eye protection.

P337+P313 If eye irritation persists: Get medical advice/attention.

P370+P378 In case of fire, use a dry powder fire extinguisher to extinguish.



Special Provisions:

EUH210 Only for professional use. Safety data sheet available on request.

Product contents:

The product also contains: Perfumes, Optical bleaches

Allergens:

Preservatives:

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

None

2.3. Other hazards

vPvB Substances: None - PBT Substances: None

Other Hazards:

No other hazards

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable, the product is a mixture.

3.2. Mixtures

Hazardous components within the meaning of the CLP regulation and related classification: >= 7% - < 10% 2-BUTOXYETHANOL; ETHYLENE GLYCOL MONOBUTYL ETHER; BUTYL CELLOSOLVE

REACH No.: 01-2119475108-36, Index number: 603-014-00-0, CAS: 111-76-2, EC: 203-905-0

- 3.3/2 Eye Irrit. 2 H319
- 3.2/2 Skin Irrit. 2 H315
- 3.1/4/Oral Acute Tox. 4 H302
- 3.1/4/Dermal Acute Tox. 4 H312
- 3.1/4/Inhal Acute Tox. 4 H332

>= 3% - < 5% ACETONE

REACH No.: 01-2119471330-49, Index number: 606-001-00-8, CAS: 67-64-1, EC: 200-662-2

- 2.6/2 Flam. Liq. 2 H225
- 3.3/2 Eye Irrit. 2 H319
- 3.8/3 STOT SE 3 H336

EUH066

>= 1% - < 3% PROPAN-2-OL

REACH No.: 01-2119457558-25, Index number: 603-117-00-0, CAS: 67-63-0, EC: 200-661-7

- 2.6/2 Flam. Liq. 2 H225
- 3.3/2 Eye Irrit. 2 H319
- 3.8/3 STOT SE 3 H336

SECTION 4: First aid measures

52241CLP/3



4.1. Description of first aid measures

In case of skin contact:

Immediately take off all contaminated clothing.

Areas of the body that have - or are only even suspected of having - come into contact with the product must be rinsed immediately with plenty of running water and possibly with soap.

Wash thoroughly the body (shower or bath).

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 opthalmologist immediately.

Protect uninjured eye.

In case of Ingestion:

Do not under any circumstances induce vomiting. OBTAIN A MEDICAL EXAMINATION IMMEDIATELY.

In case of Inhalation:

Remove casualty to fresh air and keep warm and at rest.

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

Acute effects:

Skin and eye irritation for contact

Irritation interior system if swallowed.

Until revison 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).

Treatment:

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

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media:

In case of fire, use a dry powder fire extinguisher to extinguish.

Extinguishing media which must not be used for safety reasons:

None in particular.

5.2. Special hazards arising from the substance or mixture

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

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

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Wear personal protection equipment.

Remove all sources of ignition.



Remove persons to safety.

See protective measures under point 7 and 8.

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.

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.

Contamined clothing should be changed before entering eating areas.

Do not eat or drink while working.

See also section 8 for recommended protective equipment.

7.2. Conditions for safe storage, including any incompatibilities

Store away from sunlight.

Store in a cool and well ventilated place.

Store away from heat sources.

Do not store in open or unlabeled containers.

Store at below $20~^{\circ}$ C. Keep away from unguarded flame and heat sources. Avoid direct exposure to sunlight.

Keep away from unguarded flame, sparks, and heat sources. Avoid direct exposure to sunlight. Keep away from food, drink and feed.

Incompatible materials:

None in particular. See also section 10.

Instructions as regards storage premises:

Cool and adequately ventilated.

7.3. Specific end use(s)

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.

2-BUTOXYETHANOL; ETHYLENE GLYCOL MONOBUTYL ETHER; BUTYL CELLOSOLVE - CAS: 111-76-2

ACGIH - LTE(8h): 98 mg/m3, 20 ppm - STE(15min): 246 mg/m3, 50 ppm - Notes: Skin OEL 8h - 98 mg/m3 - 20 ppm

OEL short - 246 mg/m3 - 50 ppm

ACETONE - CAS: 67-64-1

EU - LTE(8h): 1210 mg/m3, 500 ppm - Notes: Bold-type: Indicative Occupational Exposure Limit Values [2,3] and Limit Values for Occupational Exposure [4] (for references see bibliography)

ACGIH - LTE(8h): 500 ppm - STE: 750 ppm - Notes: (A4), BEI - (URT and eye irr, CNS impair, hematologic eff)

PROPAN-2-OL - CAS: 67-63-0



ACGIH - LTE(8h): 492 mg/m3, 200 ppm - STE: 983 mg/m3, 400 ppm - Notes: A4, BEI - Eye and URT irr, CNS impair

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

2-BUTOXYETHANOL; ETHYLENE GLYCOL MONOBUTYL ETHER; BUTYL CELLOSOLVE - CAS: 111-76-2

Worker Industry: 75 mg/kg - Consumer: 38 mg/kg - Exposure: Human Dermal -

Frequency: Long Term, systemic effects - Notes: day

Worker Industry: 20 mg/m3 - Consumer: 49 mg/m3 - Exposure: Human Inhalation -

Frequency: Long Term, systemic effects

Consumer: 3.2 mg/kg - Exposure: Human Oral - Frequency: Long Term, systemic effects - Notes: day

Worker Industry: 246 mg/m3 - Consumer: 123 mg/m3 - Exposure: Human Inhalation - Frequency: Short Term, local effects

Worker Industry: 652 mg/m3 - Consumer: 426 mg/m3 - Exposure: Human Inhalation -

Frequency: Short Term, systemic effects - Notes: day

Worker Industry: 89 mg/kg - Exposure: Human Dermal - Frequency: Short Term, systemic effects

Consumer: 26.7 mg/kg - Exposure: Human Oral - Frequency: Short Term, systemic effects

ACETONE - CAS: 67-64-1

Worker Industry: 186 mg/kg - Consumer: 62 mg/kg - Exposure: Human Dermal -

Frequency: Long Term (repeated) - Notes: bw/day

Worker Industry: 2420 mg/m3 - Exposure: Human Inhalation - Frequency: Short Term (acute)

Worker Industry: 1210 mg/m3 - Consumer: 200 mg/m3 - Exposure: Human Inhalation -

Frequency: Long Term (repeated)

Consumer: 62 mg/kg - Exposure: Human Oral - Notes: bw/day

PROPAN-2-OL - CAS: 67-63-0

Worker Industry: 888 mg/kg - Consumer: 319 mg/kg - Exposure: Human Dermal -

Frequency: Long Term, systemic effects - Notes: bw/day

Worker Industry: 500 mg/m3 - Consumer: 89 mg/m3 - Exposure: Human Inhalation -

Frequency: Long Term, systemic effects - Notes: bw/day

Consumer: 26 mg/kg - Exposure: Human Oral - Frequency: Long Term, systemic effects PNEC Exposure Limit Values

Until the revision date of this document, no experimental data are available for the mixture.

Below, listed the PNEC exposure limits, if available, for the components listed in paragraph 3.2. 2-BUTOXYETHANOL; ETHYLENE GLYCOL MONOBUTYL ETHER; BUTYL CELLOSOLVE - CAS: 111-76-2

Target: Marine water sediments - Value: 3.46 mg/kg

Target: Soil (agricultural) - Value: 2.33 mg/kg

Target: Marine water - Value: 0.88 mg/l

Target: Microorganisms in sewage treatments - Value: 463 mg/l

Target: Freshwater sediments - Value: 34.6 mg/kg

Target: Fresh Water - Value: 8.8 mg/l

Target: Air - Value: 9.1 mg/l

Target: Food chain - Value: 20 mg/kg

ACETONE - CAS: 67-64-1

Target: Marine water - Value: 1.06 mg/l Target: Fresh Water - Value: 10.6 mg/l

Target: Microorganisms in sewage treatments - Value: 29.5 mg/l

Target: Marine water sediments - Value: 3.04 mg/kg

Target: Soil (agricultural) - Value: 33.3 mg/l

PROPAN-2-OL - CAS: 67-63-0

Target: Microorganisms in sewage treatments - Value: 2251 mg/l





Target: Marine water sediments - Value: 552 mg/kg

Target: Soil (agricultural) - Value: 28 mg/kg Target: Marine water - Value: 140.9 mg/l

Target: Freshwater sediments - Value: 552 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. (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:

Not needed for normal use.

Thermal Hazards:

The product is not 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.

The product is flammable.

Environmental exposure controls:

The product is not dangerous for the environment - see section 2.1.

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

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

Properties	Value	Method:	Notes:
Appearance and colour:	Clear liquid,		
	blue		
Odour:	Floral		
Odour threshold:	Evident		
pH:	< 11,4	Instrumental	
		control	
Melting point / freezing	Not Relevant		Parameter not relevant for the
point:			type of product
Initial boiling point and	>= 100 °C		Estimated value on chemical /
boiling range:			physical properties of
			components
Flash point:	27 ° C	ABEL	
		PENSKY	
Evaporation rate:	Not Relevant		Parameter not relevant for the
			type of product
Solid/gas flammability:	Not Relevant		Parameter not relevant for the
			type of product
Upper/lower flammability or	Not Relevant		Parameter not relevant for the



explosive limits:			type of product
Vapour pressure:	Not Relevant		Parameter not relevant for the type of product
Vapour density:	Not Relevant		Parameter not relevant for the type of product
Relative density:	0.991g/ml	Instrumental control	
Solubility in water:	Total		internal tests
Solubility in oil:	Partial		internal tests
Partition coefficient (n-octanol/water):	< 1000		Value estimated based on the solubility of the mixture.
Auto-ignition temperature:	Not Relevant		Parameter not relevant for the type of product
Decomposition temperature:	Not Relevant		Parameter not relevant for the type of product
Viscosity:	< 10 cP		Estimated indicative value. Not viscous mixture.
Explosive properties:	Not Relevant		Parameter not relevant for product composition.
Oxidizing properties:	Not Relevant		Parameter not relevant for product composition.

9.2. Other information

Properties	Value	Method:	Notes:
Miscibility:	Not Relevant		Parameter not relevant for the
			type of product
Fat Solubility:	Not Relevant		Parameter not relevant for the
			type of product
Conductivity:	Not Relevant		Parameter not relevant for the
			type of product
Substance Groups relevant	Not Relevant		Parameter not relevant for the
properties			type of product

SECTION 10: Stability and reactivity

10.1. Reactivity

Do not use in combination with other products.

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

10.2. 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

In normal conditions no dangerous reactions of the mixture

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 scetion 7.2.

10.4. Conditions to avoid

Avoid direct sunlight and exposure to heat sources.

Different uses than recommended. Do not use in combination with other products. See also 1.2 and 7.2



10.5. 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 1.2 and 7.2.

10.6. Hazardous decomposition products

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

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Toxicological information of the mixture:

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

For the classification of the mixture see section 2.1.

Not applicable

Toxicological information of the main substances found in the mixture:

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

2-BUTOXYETHANOL; ETHYLENE GLYCOL MONOBUTYL ETHER; BUTYL CELLOSOLVE - CAS: 111-76-2

a) acute toxicity:

Test: LC50 - Route: Inhalation - Species: Rat = 20 mg/l - Duration: 4h

Test: LD50 - Route: Oral - Species: Rat = 1300 mg/kg
Test: LD50 - Route: Skin - Species: Rabbit = 1100 mg/kg

b) skin corrosion/irritation:

Test: Skin Irritant Yes

c) serious eye damage/irritation:

Test: Eye Irritant Yes - Source: OECD 405

d) respiratory or skin sensitisation:

Test: Skin or Resp. Sensitization No

e) germ cell mutagenicity:

Test: Mutagenesis Negative

ACETONE - CAS: 67-64-1

a) acute toxicity:

Test: LD50 - Route: Oral - Species: Rat = 5800 mg/kg - Source: OCSE 401

Test: LD50 - Route: Skin - Species: Rat > 15800 mg/kg

Test: LC50 - Route: Inhalation Vapour = 76 mg/l - Duration: 4h

c) serious eye damage/irritation:

Test: Eye Irritant Yes

PROPAN-2-OL - CAS: 67-63-0

a) acute toxicity:

Test: LD50 - Route: Oral - Species: Rat > 5000 mg/kg

Test: LC50 - Route: Inhalation - Species: Rat > 10000 ppm - Duration: 6h

Test: LD50 - Route: Skin - Species: Rabbit = 16.4 ml/kg - Notes: bw

b) skin corrosion/irritation:

Test: Skin Irritant - Route: Skin - Species: Rabbit No - Source: OECD 404

c) serious eye damage/irritation:

Test: Eye Irritant - Species: Rabbit Yes - Source: OECD 405

d) respiratory or skin sensitisation:

Test: Skin or Resp. Sensitization Negative

g) reproductive toxicity:

Test: NOAEL - Route: Oral - Species: Rabbit = 480 mg/kg - Notes: bw/day

If not differently specified, the information required in Regulation (EU)2015/830 listed below must be considered as Not Applicable:



- a) acute toxicity;
- b) skin corrosion/irritation;
- c) serious eye damage/irritation;
- d) respiratory or skin sensitisation;
- e) germ cell mutagenicity;
- f) carcinogenicity;
- g) reproductive toxicity;
- h) STOT-single exposure;
- i) STOT-repeated exposure;
- j) aspiration hazard.

SECTION 12: Ecological information

12.1. Toxicity

Adopt good working practices, so that the product is not released into the environment. The environmental hazard of the product are reported in Section 2.1 if applicable. 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.

2-BUTOXYETHANOL; ETHYLENE GLYCOL MONOBUTYL ETHER; BUTYL CELLOSOLVE - CAS: 111-76-2

a) Aquatic acute toxicity:

Endpoint: LC50 - Species: Fish = 1474 mg/l - Duration h: 96 - Notes: Oncorhynchus mykiss

Endpoint: EC50 - Species: Daphnia = 1550 mg/l - Duration h: 48 - Notes: Daphnia magna Endpoint: EC50 - Species: Algae = 911 mg/l - Duration h: 72 - Notes: Pseudokirchneriella subcapitata

Endpoint: NOEC - Species: Daphnia = 100 mg/l - Duration h: 504 - Notes: Daphnia magna

b) Aquatic chronic toxicity:

Endpoint: NOEC - Species: Fish > 100 mg/kg - Duration h: 504 - Notes: Brachydanio rerio

ACETONE - CAS: 67-64-1

a) Aquatic acute toxicity:

Endpoint: LC50 - Species: Fish > 100 mg/l - Duration h: 96 - Notes: Pimephales promelas

Endpoint: EC50 - Species: Daphnia = 8800 mg/l - Duration h: 48 - Notes: Daphnia magna Species: Microorganisms / Effect on activated sludge: = 1000 mg/l

PROPAN-2-OL - CAS: 67-63-0

a) Aquatic acute toxicity:

Endpoint: LC50 - Species: Fish > 100 mg/l - Duration h: 48 - Notes: Leuciscus idus Endpoint: EC50 - Species: Daphnia > 100 mg/l - Duration h: 48 - Notes: Daphnia magna Endpoint: EC50 - Species: Algae > 100 mg/l - Duration h: 72 - Notes: Scenedesmus subspicatus

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.

2-BUTOXYETHANOL; ETHYLENE GLYCOL MONOBUTYL ETHER; BUTYL CELLOSOLVE - CAS: 111-76-2

Biodegradability: Readily biodegradable - Duration: 28 days - %: 90 - OECD301B ACETONE - CAS: 67-64-1

Biodegradability: Readily biodegradable - Test: Ready biodegradability in water -

Duration: 28 days - %: 91 PROPAN-2-OL - CAS: 67-63-0



Biodegradability: Readily biodegradable -Duration: 10 days - %: >70%

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.

 $\hbox{2-BUTOXYETHANOL}; \hbox{ ETHYLENE GLYCOL MONOBUTYL ETHER}; \hbox{ BUTYL CELLOSOLVE-}\\$

CAS: 111-76-2

Bioaccumulation: Not bioaccumulative - Test: Log Pow - Partition coefficient 0.8 -

ACETONE - CAS: 67-64-1

Bioaccumulation: Not bioaccumulative - Test: BCF - Bioconcentrantion factor 3 -

PROPAN-2-OL - CAS: 67-63-0

Bioaccumulation: Not bioaccumulative - Test: Log Pow - Partition coefficient 0.05 -

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.

Not applicable

12.5. Results of PBT and vPvB assessment

vPvB Substances: None - PBT Substances: None

12.6. Other adverse effects

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

None

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

ADR-UN Number: 1993 IATA-UN Number: 1993 IMDG-UN Number: 1993

14.2. UN proper shipping name

ADR-Shipping Name: FLAMMABLE LIQUID, N.O.S. (propan-2-ol, acetone)
IATA-Shipping Name: FLAMMABLE LIQUID, N.O.S. (propan-2-ol, acetone)
IMDG-Shipping Name: FLAMMABLE LIQUID, N.O.S. (propan-2-ol, acetone)

3

14.3. Transport hazard class(es)

ADR-Class:



ADR-Label



ADR - Hazard identification number: 30 IATA-Class/Division: 3 IATA-Label: IMDG-Class/Division: 3 3 IMDG-Label 14.4. Packing group ADR-Packing Group: Ш IATA-Packing group: Ш IMDG-Packing group: Ш 14.5. Environmental hazards ADR-Environmental Pollutant: No IMDG-Marine pollutant: No 14.6. Special precautions for user ADR-Subsidiary risks: ADR-S.P.: 274 601 ADR-Tunnel Restriction Code: D/E IATA-Passenger Aircraft: 355 IATA-Subsidiary risks: IATA-Cargo Aircraft: 366 IATA-S.P.: IATA-ERG: 3L

 IMDG-S.P.:
 223 274 955

 IMDG-EmS:
 F-E , S-E

IMDG-Subsidiary risks: -

IMDG-Storage category: Category A

IMDG-Storage notes: - IMDG-Segregation notes: -

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code 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) 2015/830

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)

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

None

Where applicable, refer to the following regulatory provisions:

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

1999/13/EC (VOC directive)

Provisions related to directive EU 2012/18 (Seveso III): Seveso III category according to Annex 1, part 1

Product belongs to category: P5c



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

SECTION 16: Other information

Full text of phrases referred to in Section 3:

H319 Causes serious eye irritation.

H315 Causes skin irritation.

H302 Harmful if swallowed.

H312 Harmful in contact with skin.

H332 Harmful if inhaled.

H225 Highly flammable liquid and vapour.

H336 May cause drowsiness or dizziness.

EUH066 Repeated exposure may cause skin dryness or cracking.

Paragraphs modified from the previous revision:

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

SECTION 2: Hazards identification

SECTION 3: Composition/information on ingredients

SECTION 4: First aid measures SECTION 5: Firefighting measures SECTION 7: Handling and storage

SECTION 8: Exposure controls/personal protection

SECTION 9: Physical and chemical properties

SECTION 10: Stability and reactivity SECTION 11: Toxicological information SECTION 12: Ecological information SECTION 14: Transport information SECTION 15: Regulatory information

The classification of the product is based on conventional calculation method.

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.

ADR: European Agreement concerning the International Carriage of

Dangerous Goods by Road.

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

CLP: Classification, Labeling, Packaging.

DNEL: Derived No Effect Level.

EINECS: European Inventory of Existing Commercial Chemical Substances.

GefStoffVO: Ordinance on Hazardous Substances, Germany.



GHS: Globally Harmonized System of Classification and Labeling of

Chemicals.

IATA: International Air Transport Association.

IATA-DGR: Dangerous Goods Regulation by the "International Air Transport

Association" (IATA).

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.

KSt: Explosion coefficient.

LC50: Lethal concentration, for 0/10/20/50/100 percent of test population.

LD50: Lethal dose, for 0/10/20/50/100 percent of test population.

LTE: Long-term exposure.

PNEC: Predicted No Effect Concentration.

RID: Regulation Concerning the International Transport of Dangerous Goods

by Rail.

STE: Short-term exposure.

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).

WGK: German Water Hazard Class.



ANNEX I PROFESSIONAL TRIGGER PRODUCT – DETERGENT FOR HARD SURFACES

Title of exposure scenario				
Detergent for general cleaning: Manual process.				
Use description				
Sector Use	SU22 – Professional use			
Product Category	PC35 – Cleaning and washing product (including solvent based			
- reduct Gallegery	products)			
Description of activities/process considered on exposure s	cenario.			
If required, transfer product from canister to trigger bottle.				
Use following the use instruction as specified on the label.				
Leave on.				
Rinse, if necessary.				
Frequency and duration				
Use phase	Daily, depending on room size and room dirty conditions.			
Relevant limit values of ingredients, if available, are stated in se	ection 8 of the SDS.			
Physical appearence and concentration				
Liquid. To diluite or ready to use.				
In section 2 of the SDS of product and on the label the classification				
	on chemical/physical properties stated in section 9 of the SDS of			
product.				
Use conditions				
Room temperature				
Good general ventilation at workplace is sufficient.				
Protection				
Avoid spray inhalation.				
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.				
See section 6 of the SDS in case of accidental release				
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.				
Misure ambientali				
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