

SMAC DETERGENTE DISINFETTANTE -TRIGGER -SPRAY
SAFETY DATA SHEET (Regulation (EU) 2015/830)



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

- 1.1. Product identifier
Mixture identification:
Trade name: SMAC DETERGENTE DISINFETTANTE -TRIGGER -SPRAY
Product code: 3F0030-VAP
Product type and use: Surface cleaner
- 1.2. Relevant identified uses of the substance or mixture and uses advised against
Recommended use:
See label: instructions and precautions
Uses advised against:
Uses different from those indicated on the packaging or recommended in this document.
- 1.3. Details of the supplier of the safety data sheet
Company:
BOLTON MANITOBA SPA
Via Pirelli, 19
20124 Milano - Italy
Tel. +39 02 6709 333 - Fax +39 0362 378 228
Distributor:
Alf.Mizzi & Sons (Mktg) Group
Zachary House
Marsa Industrial Estate -
MARSA LQA 06 -MALTA - tel. 00356 2554 0000

+39 02 6709 333
Competent person responsible for the safety data sheet:
safetyinfo@boltonmanitoba.it
- 1.4. Emergency telephone number
+39 02 6709 333
00356 2554 0000
030 274 8888

SECTION 2: Hazards identification

- 2.1. Classification of the substance or mixture
EC regulation criteria 1272/2008 (CLP)
⚠ Warning, Skin Irrit. 2, Causes skin irritation.
⚠ Danger, Eye Dam. 1, Causes serious eye damage.
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
Hazard pictograms:



- Danger
Hazard statements:
H315 Causes skin irritation.
H318 Causes serious eye damage.
H412 Harmful to aquatic life with long lasting effects.
Precautionary statements:

SMAC DETERGENTE DISINFETTANTE -TRIGGER -SPRAY
SAFETY DATA SHEET (Regulation (EU) 2015/830)



P101 If medical advice is needed, have product container or label at hand.
P102 Keep out of reach of children.
P260 Do not breathe spray.
P271 Use only outdoors or in a well-ventilated area.
P280 Wear protective gloves and eye protection.
P302+P352 IF ON SKIN: Wash with plenty of water.
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 / doctor.
P501 Dispose of contents/container in accordance with applicable regulations.

Special Provisions:

None

Contains

ALCOHOL, ETHOXYLATED
2-aminoethanol; ethanolamine
1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one: May produce an allergic reaction.

2.3. Other hazards

vPvB Substances: None - PBT Substances: None

Other Hazards:

No other hazards

Composition labelling (Detergent Regulation 648/2004/EC).

Ingredients - 648/2004/EC (www.boltondet.com):

< 5 % phosphonates, non-ionic surfactants

Also contains: disinfectants, perfumes

Preservatives BENZISOTHIAZOLINONE

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

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

Qty	Name	Ident. Number	Classification
>= 1% - < 5%	ALCOHOL, ETHOXYLATED	CAS: 127036-24-2 EC: 603-182-5	⚠ 3.1/4/Oral Acute Tox. 4 H302 ⚠ 3.3/1 Eye Dam. 1 H318
>= 1% - < 5%	1-methoxy-2-propanol; monopropylene glycol methyl ether	Index number: 603-064-00-3 CAS: 107-98-2 EC: 203-539-1	⚠ 2.6/3 Flam. Liq. 3 H226 ⚠ 3.8/3 STOT SE 3 H336
>= 1% - < 5%	3-butoxypropan-2-ol; propylene glycol monobutyl ether	Index number: 603-052-00-8 CAS: 5131-66-8 EC: 225-878-4	⚠ 3.3/2 Eye Irrit. 2 H319 ⚠ 3.2/2 Skin Irrit. 2 H315
>= 1% - < 5%	2-aminoethanol; ethanolamine	Index number: 603-030-00-8 CAS: 141-43-5 EC: 205-483-3	⚠ 3.1/4/Dermal Acute Tox. 4 H312 ⚠ 3.1/4/Inhal Acute Tox. 4 H332 ⚠ 3.1/4/Oral Acute Tox. 4 H302 ⚠ 3.2/1B Skin Corr. 1B H314

SMAC DETERGENTE DISINFETTANTE -TRIGGER -SPRAY
SAFETY DATA SHEET (Regulation (EU) 2015/830)



>= 0.1% - < 1%	BENZALKONIUM CHLORIDE	CAS: EC:	68424-85-1 270-325-2	<p>⚠ 4.1/C1 Aquatic Chronic 1 H410 M=1.</p> <p>⚠ 3.1/4/Oral Acute Tox. 4 H302</p> <p>⚠ 3.2/1A Skin Corr. 1A H314</p> <p>⚠ 3.3/1 Eye Dam. 1 H318</p> <p>⚠ 4.1/A1 Aquatic Acute 1 H400 M=1.</p>
< 0.1%	1,2-benzisothiazol- 3(2H)-one; 1,2- benzisothiazolin-3-one	Index number: CAS: EC:	613-088-00-6 2634-33-5 220-120-9	<p>⚠ 3.2/2 Skin Irrit. 2 H315</p> <p>⚠ 3.3/1 Eye Dam. 1 H318</p> <p>⚠ 3.4.2/1-1A-1B Skin Sens. 1,1A, 1B H317</p> <p>⚠ 4.1/A1 Aquatic Acute 1 H400</p> <p>⚠ 3.1/4/Oral Acute Tox. 4 H302</p>

For full text of the R, H and EUH sentences mentioned in this Section, see Section 16. Exposure limits in the workplace, if available, are listed in Section 8.1.

[1] Exempted: ionic mixture. See Regulation 1907/2006/EC, Annex 5, paragraphs 3 and 4 and "Guidance for Annex V - Exemptions from the obligation to register" (http://echa.europa.eu/documents/10162/13632/annex_v_en.pdf). This salt is potentially present on the basis of calculations and is included in the list of substances for the purposes of classification and labeling only. The starting substances of the ionic mixture are registered or exempted.

[2] Exempted: Included in Annex IV of Regulation 1907/2006/EC.

[3] Exempted: Included in Annex V of Regulation 1907/2006/EC.

[4] Polymer, exempted under Article. 2.9 of Regulation 1907/2006/EC.

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 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

None

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:

None

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

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

Wear personal protection equipment.

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.

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.

Contaminated 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

Keep in a fresh and ventilated area.

Keep away from food, drink and feed.

Incompatible materials:

None in particular.

Instructions as regards storage premises:

Adequately ventilated premises.

7.3. Specific end use(s)

None in particular

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

1-methoxy-2-propanol; monopropylene glycol methyl ether - CAS: 107-98-2

EU - TWA(8h): 375 mg/m³, 100 ppm - STEL: 563 mg/m³, 150 ppm - Notes: Skin

ACGIH - TWA(8h): 50 ppm - STEL: 100 ppm - Notes: A4 - Eye and URT irr

3-butoxypropan-2-ol; propylene glycol monobutyl ether - CAS: 5131-66-8

SMAC DETERGENTE DISINFETTANTE -TRIGGER -SPRAY
SAFETY DATA SHEET (Regulation (EU) 2015/830)



11 - TWA: 50 ppm

2-aminoethanol; ethanolamine - CAS: 141-43-5

EU - TWA(8h): 2.5 mg/m³, 1 ppm - STEL: 7.6 mg/m³, 3 ppm - Notes: Skin

ACGIH - TWA(8h): 3 ppm - STEL: 6 ppm - Notes: Eye and skin irr

DNEL Exposure Limit Values

1-methoxy-2-propanol; monopropylene glycol methyl ether - CAS: 107-98-2

Worker Industry: 50.6 19141.05 - Consumer: 18.1 mg/kg - Exposure: Human Dermal -

Frequency: Long Term, systemic effects

Worker Industry: 553.5 03 - Exposure: Human Inhalation - Frequency: Short Term, local effects

Worker Industry: 369 03 - Exposure: Human Inhalation - Frequency: Long Term, systemic effects

3-butoxypropan-2-ol; propylene glycol monobutyl ether - CAS: 5131-66-8

Worker Industry: 44 19141.05 - Consumer: 16 19141.05 - Exposure: Human Dermal

Worker Industry: 270.5 03 - Consumer: 33.8 03 - Exposure: Human Inhalation

Consumer: 8.75 19141.05

2-aminoethanol; ethanolamine - CAS: 141-43-5

Worker Industry: 1 mg/kg - Exposure: Human Dermal - Frequency: Long Term (repeated) - Endpoint: Systemic

Worker Industry: 3.3 03 - Exposure: Human Inhalation - Frequency: Long Term (repeated) - Endpoint: Systemic

Worker Industry: 0.24 mg/kg - Exposure: Human Dermal - Frequency: Long Term (repeated) - Endpoint: Systemic

Worker Industry: 3.75 mg/kg - Exposure: Human Oral - Frequency: Long Term (repeated) - Endpoint: Systemic

Worker Industry: 2 03 - Exposure: Human Inhalation - Frequency: Long Term (repeated) - Endpoint: Systemic

BENZALKONIUM CHLORIDE - CAS: 68424-85-1

Worker Industry: 3.96 03 - Consumer: 1.64 19141.04 - Exposure: Human Inhalation - Frequency: Long Term, systemic effects

Worker Industry: 5.7 19141.05 - Consumer: 3.4 19141.05 - Exposure: Human Dermal - Frequency: Long Term, systemic effects

Consumer: 3.4 19141.05 - Exposure: Human Oral - Frequency: Long Term, systemic effects

PNEC Exposure Limit Values

1-methoxy-2-propanol; monopropylene glycol methyl ether - CAS: 107-98-2

Target: Fresh Water - Value: 10 mg/l

Target: Marine water - Value: 1 mg/l

Target: Freshwater sediments - Value: 52.3 mg/kg

Target: Marine water sediments - Value: 5.2 mg/kg

Target: Soil (agricultural) - Value: 4.59 mg/kg

3-butoxypropan-2-ol; propylene glycol monobutyl ether - CAS: 5131-66-8

Target: Fresh Water - Value: 0.525 mg/l

Target: Marine water - Value: 0.0525 mg/l

Target: Freshwater sediments - Value: 2.36 mg/kg

Target: Marine water - Value: 0.236 mg/kg

Target: Soil (agricultural) - Value: 0.16 mg/kg

2-aminoethanol; ethanolamine - CAS: 141-43-5

Target: Microorganisms in sewage treatments - Value: 100 mg/l

Target: Freshwater sediments - Value: 0.425 mg/kg

Target: Soil (agricultural) - Value: 0.035 mg/kg

BENZALKONIUM CHLORIDE - CAS: 68424-85-1

Target: Fresh Water - Value: 0.0009 mg/l

Target: Marine water - Value: 0.00096 mg/l

Target: Freshwater sediments - Value: 12.27 mg/kg

SMAC DETERGENTE DISINFETTANTE -TRIGGER -SPRAY
SAFETY DATA SHEET (Regulation (EU) 2015/830)



Target: Marine water sediments - Value: 13.09 mg/kg

Target: Microorganisms in sewage treatments - Value: 0.4 mg/l

8.2. Exposure controls

Eye protection:

Eye glasses.

Eye glasses with side protection.

Protection for skin:

Use clothing that provides comprehensive protection to the skin, e.g. cotton, rubber, PVC or viton.

Protection for hands:

Butyl caoutchouc (butyl rubber).

CR (polychloroprene, chloroprene rubber).

waterproof gloves

Respiratory protection:

Use adequate protective respiratory equipment.

Thermal Hazards:

None

Environmental exposure controls:

None

Appropriate engineering controls:

None

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Properties	Value	Method:	Notes:
Appearance:	Transparent liquid	--	--
Colour:	Green	--	--
Odour:	characteristic balsamic	--	--
Odour threshold:	N.D.	--	smell distinctly perceptible under normal use conditions.
pH:	10.8	--	the product as such (100%)
Melting point / freezing point:	Not Relevant	--	property not pertinent or not relevant to the safety and product classification
Initial boiling point and boiling range:	ND	--	This property is not pertinent or not relevant to the safety and product classification
Flash point:	Not Relevant	--	This property is not pertinent or not relevant to the safety and product classification

SMAC DETERGENTE DISINFETTANTE -TRIGGER -SPRAY
SAFETY DATA SHEET (Regulation (EU) 2015/830)



Evaporation rate:	Not Relevant	--	This property is not pertinent or not relevant to the safety and product classification
Solid/gas flammability:	Not applicable	--	liquid product
Upper/lower flammability or explosive limits:	Not applicable	--	it does not burn
Vapour pressure:	Not Relevant	--	This property is not pertinent or not relevant to the safety and product classification
Vapour density:	ND	--	similar to air
Relative density:	1.00 kg/l	--	0
Solubility in water:	Complete	--	--
Solubility in oil:	Insoluble	--	--
Partition coefficient (n-octanol/water):	Not Relevant	--	--
Auto-ignition temperature:	Not applicable	--	--
Decomposition temperature:	Not applicable	--	--
Viscosity:	ND	--	not viscous liquid
Explosive properties:	Not applicable	--	does not contain substances associated with explosive properties.
Oxidizing properties:	Not applicable	--	It does not contain oxidizing substances

9.2. Other information

Properties	Value	Method:	Notes:
Miscibility:	Not applicable	--	--
Fat Solubility:	Not applicable	--	--
Conductivity:	Not applicable	--	--
Substance Groups relevant properties	Not applicable	--	--

SECTION 10: Stability and reactivity

10.1. Reactivity



No known particular risks of reaction with other substances in normal conditions of use.
Stable under normal conditions

10.2. Chemical stability

The product is stable under normal storage conditions (between -10 °C and + 50 °C)
Stable under normal conditions

10.3. Possibility of hazardous reactions

Without adequate ventilation, the accumulation of propellant gas released in the use or accidental loss canister could lead to hazardous atmospheres.

10.4. Conditions to avoid

none in particular. Follow the directions of the sections 7 and 8.
Stable under normal conditions.

10.5. Incompatible materials

There is no known specific problems of incompatibility
None in particular.

10.6. Hazardous decomposition products

No decomposition occurs if used for the intended uses and under the intended conditions.
None.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Toxicological information of the product:

Not applicable

Toxicological information of the main substances found in the product:

ALCOHOL, ETHOXYLATED - CAS: 127036-24-2

a) acute toxicity:

Test: LD50 - Route: Oral - Species: Rat > 300 mg/kg

1-methoxy-2-propanol; monopropylene glycol methyl ether - CAS: 107-98-2

a) acute toxicity:

Test: LD50 - Route: Oral - Species: Rat = 4016 mg/kg

Test: LD50 - Route: Skin - Species: Rabbit > 2000 mg/kg

Test: LC50 - Route: Inhalation Vapour - Species: Rat > 25.8 mg/l - Duration: 9

3-butoxypropan-2-ol; propylene glycol monobutyl ether - CAS: 5131-66-8

a) acute toxicity:

Test: LD50 - Route: Oral - Species: Rat = 3300 mg/kg

Test: LD50 - Route: Skin - Species: Rat > 2000 mg/kg

Test: LC50 - Route: Inhalation Vapour - Species: Rat > 3.5 mg/l - Duration: 4h

2-aminoethanol; ethanolamine - CAS: 141-43-5

a) acute toxicity:

Test: LC50 - Route: Inhalation - Species: Rat = 1.48 mg/l - Duration: 4h

Test: LD50 - Route: Oral - Species: Rat = 1515 mg/kg

Test: LD50 - Route: Skin - Species: Rat = 2504 mg/kg

BENZALKONIUM CHLORIDE - CAS: 68424-85-1

a) acute toxicity:

Test: LD50 - Route: Skin - Species: Rabbit = 2848 mg/kg

Test: LD50 - Route: Skin - Species: Rat > 800 mg/kg

Test: LD50 - Route: Oral - Species: Rat = 397.5 mg/kg

1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one - CAS: 2634-33-5

a) acute toxicity:

Test: LD50 - Route: Oral - Species: Rat = 1030 mg/kg

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

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

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.

1-methoxy-2-propanol; monopropylene glycol methyl ether - CAS: 107-98-2

a) Aquatic acute toxicity:

Endpoint: LC50 - Species: Fish > 1000 mg/l - Duration h: 96

Endpoint: LC50 - Species: Daphnia > 21100 mg/l - Duration h: 48

Endpoint: 5 - Species: Algae > 1000 mg/l

3-butoxypropan-2-ol; propylene glycol monobutyl ether - CAS: 5131-66-8

a) Aquatic acute toxicity:

Endpoint: LC50 - Species: Fish > 560 mg/l - Duration h: 96

Endpoint: EC50 - Species: Daphnia > 1000 mg/l - Duration h: 48

c) Bacteria toxicity:

Endpoint: EC50 - Species: 19126.Bacteria > 1000 mg/l - Duration h: 3

e) Plant toxicity:

Endpoint: EC50 - Species: Algae > 1000 mg/l - Duration h: 96

Endpoint: NOEC - Species: Algae = 560 mg/l - Duration h: 96

2-aminoethanol; ethanolamine - CAS: 141-43-5

a) Aquatic acute toxicity:

Endpoint: EC50 - Species: Daphnia = 65 mg/l - Duration h: 48

Endpoint: EC50 - Species: Algae = 2.5 mg/l - Duration h: 72

Endpoint: LC50 - Species: Fish = 349 mg/l - Duration h: 96

BENZALKONIUM CHLORIDE - CAS: 68424-85-1

a) Aquatic acute toxicity:

Endpoint: LC50 - Species: Fish = 0.85 mg/l - Duration h: 96

Endpoint: EC50 - Species: Daphnia = 0.02 mg/l - Duration h: 48

Endpoint: LC50 - Species: Algae = 0.06 mg/l - Duration h: 96

1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one - CAS: 2634-33-5

a) Aquatic acute toxicity:

Endpoint: EC50 - Species: Daphnia = 3.7 mg/l - Duration h: 48

Endpoint: LC50 - Species: Fish = 1.9 mg/l - Duration h: 72

Endpoint: EC50 - Species: Algae = 0.8 mg/l - Duration h: 72

12.2. Persistence and degradability

None

Not applicable

12.3. Bioaccumulative potential

Not applicable

12.4. Mobility in soil

Not applicable

12.5. Results of PBT and vPvB assessment

vPvB Substances: None - PBT Substances: None

12.6. Other adverse effects

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.

SECTION 14: Transport information

14.1. UN number

Not classified as dangerous in the meaning of transport regulations.

14.2. UN proper shipping name

Not applicable

14.3. Transport hazard class(es)

Not applicable

14.4. Packing group

Not applicable

14.5. Environmental hazards

14.6. Special precautions for user

Not applicable

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)

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

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:

Restriction 3

Restriction 40

Restrictions related to the substances contained:

No restriction.

Where applicable, refer to the following regulatory provisions :

Directive 2012/18/EU (Seveso III)

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

The surfactant(s) contained in this preparation complies(comply) with the biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them, at their direct request or at the request of a detergent manufacturer.

Dir. 2004/42/EC (VOC directive)

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

SMAC DETERGENTE DISINFETTANTE -TRIGGER -SPRAY
SAFETY DATA SHEET (Regulation (EU) 2015/830)



Not applicable
15.2. Chemical safety assessment
No Chemical Safety Assessment has been carried out for the mixture.

SECTION 16: Other information

Text of phrases referred to under heading 3:

- H302 Harmful if swallowed.
- H318 Causes serious eye damage.
- H226 Flammable liquid and vapour.
- H336 May cause drowsiness or dizziness.
- H319 Causes serious eye irritation.
- H315 Causes skin irritation.
- H312 Harmful in contact with skin.
- H332 Harmful if inhaled.
- H314 Causes severe skin burns and eye damage.
- H410 Very toxic to aquatic life with long lasting effects.
- H400 Very toxic to aquatic life.
- H317 May cause an allergic skin reaction.

Hazard class and hazard category	Code	Description
Flam. Liq. 3	2.6/3	Flammable liquid, Category 3
Acute Tox. 4	3.1/4/Dermal	Acute toxicity (dermal), Category 4
Acute Tox. 4	3.1/4/Inhal	Acute toxicity (inhalation), Category 4
Acute Tox. 4	3.1/4/Oral	Acute toxicity (oral), Category 4
Skin Corr. 1A	3.2/1A	Skin corrosion, Category 1A
Skin Corr. 1B	3.2/1B	Skin corrosion, Category 1B
Skin Irrit. 2	3.2/2	Skin irritation, Category 2
Eye Dam. 1	3.3/1	Serious eye damage, Category 1
Eye Irrit. 2	3.3/2	Eye irritation, Category 2
Skin Sens. 1,1A,1B	3.4.2/1-1A-1B	Skin Sensitisation, Category 1,1A,1B
STOT SE 3	3.8/3	Specific target organ toxicity - single exposure, Category 3
Aquatic Acute 1	4.1/A1	Acute aquatic hazard, category 1
Aquatic Chronic 1	4.1/C1	Chronic (long term) aquatic hazard, category 1
Aquatic Chronic 3	4.1/C3	Chronic (long term) aquatic hazard, category 3

Classification and procedure used to derive the classification for mixture according to Regulation (EC) 1272/2008 (CLP):
3.2/2 (Skin Irrit. 2 - H135) based on calculation

SMAC DETERGENTE DISINFETTANTE -TRIGGER -SPRAY
SAFETY DATA SHEET (Regulation (EU) 2015/830)



3.3/1 (Eye Dam 1 - H318) based on calculation

4.1/3 (Aq. Chronic 3 - H412) based on calculation

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 Irrit. 2, H315	Calculation method
Eye Dam. 1, H318	Calculation method
Aquatic Chronic 3, H412	Calculation method

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

Main bibliographic sources:

ACGIH - Threshold Limit Values for Chemical Substances (www.acgih.org)

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 SDS cancels and replaces any preceding release.

User is responsible of complying all current and pertaining legislations, regulations and directives.

Company is not liable for any damage to persons or goods, caused by improper usage of information given in this safety data sheet.

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 50 percent of test population.
LD50:	Lethal dose, for 50 percent of test population.
N.A.:	Not applicable
N.D.:	Not available
PNEC:	Predicted No Effect Concentration.
RID:	Regulation Concerning the International Transport of Dangerous Goods by Rail.
STEL:	Short Term Exposure limit.

SMAC DETERGENTE DISINFETTANTE -TRIGGER -SPRAY
SAFETY DATA SHEET (Regulation (EU) 2015/830)



STOT: Specific Target Organ Toxicity.
TLV: Threshold Limiting Value.
TWA: Time-weighted average
WGK: German Water Hazard Class.