

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:
See label: instructions and precautions.
- 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
- Competent person responsible for the safety data sheet:
safetyinfo@boltonmanitoba.it
- 1.4. Emergency telephone number
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
Symbols:



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

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



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

Contents:

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

N.A.

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	⚠ 3.1/4/Oral Acute Tox. 4 H302
		EC:	603-182-5	⚠ 3.3/1 Eye Dam. 1 H318
>= 1% - < 5%	1-methoxy-2-propanol; monopropylene glycol methyl ether	Index number:	603-064-00-3	⚠ 2.6/3 Flam. Liq. 3 H226
		CAS:	107-98-2	⚠ 3.8/3 STOT SE 3 H336
		EC:	203-539-1	
		REACH No.:	01- 2119457435 -35	
>= 1% - < 5%	3-butoxypropan-2-ol; propylene glycol monobutyl ether	Index number:	603-052-00-8	⚠ 3.3/2 Eye Irrit. 2 H319
		CAS:	5131-66-8	⚠ 3.2/2 Skin Irrit. 2 H315
		EC:	225-878-4	
		REACH No.:	01- 2119475527 -28	
>= 1% - < 5%	2-aminoethanol; ethanolamine	Index number:	603-030-00-8	⚠ 3.1/4/Derma Acute Tox. 4 H312
		CAS:	141-43-5	⚠ 3.1/4/Inhal Acute Tox. 4 H332
		EC:	205-483-3	⚠ 3.1/4/Oral Acute Tox. 4 H302
				⚠ 3.2/1B Skin Corr. 1B H314



		REACH No.: 01-2119486455-28	
>= 0.1% - < 1%	BENZALKONIUM CHLORIDE	CAS: 68424-85-1 EC: 270-325-2	<div> <div>4.1/C1 Aquatic Chronic 1 H410 M=1.</div> <div>3.1/4/Oral Acute Tox. 4 H302</div> <div>3.2/1A Skin Corr. 1A H314</div> <div>3.3/1 Eye Dam. 1 H318</div> <div>4.1/A1 Aquatic Acute 1 H400 M=1.</div> </div>
< 0.1%	1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one	Index number: 613-088-00-6 CAS: 2634-33-5 EC: 220-120-9	<div> <div>3.2/2 Skin Irrit. 2 H315</div> <div>3.3/1 Eye Dam. 1 H318</div> <div>3.4.2/1-1A-1B Skin Sens. 1,1A, 1B H317</div> <div>4.1/A1 Aquatic Acute 1 H400</div> <div>3.1/4/Oral Acute Tox. 4 H302</div> </div>

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:

Wash with plenty of water and soap.

In case of eyes contact:

In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

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

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 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 - LTE(8h): 375 mg/m³, 100 ppm - STE: 563 mg/m³, 150 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): 50 ppm - STE: 100 ppm - Notes: A4 - Eye and URT irr

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

EU - LTE(8h): 2,5 mg/m³, 1 ppm - STE: 7,6 mg/m³, 3 ppm - Notes: Bold-type: Indicative

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



Occupational Exposure Limit Values [2,3] and Limit Values for Occupational Exposure [4] (for references see bibliography)

ACGIH - LTE(8h): 3 ppm - STE: 6 ppm - Notes: Eye and skin irr

DNEL Exposure Limit Values

N.A.

PNEC Exposure Limit Values

N.A.

8.2. Exposure controls

Eye protection:

Not needed for normal use. Anyway, operate according good working practices.

Protection for skin:

No special precaution must be adopted for normal use.

Protection for hands:

Not needed for normal use.

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 and colour:	Transparent liquid	--	--
Odour:	Characteristic	--	--
Odour threshold:	N.D.	--	--
pH:	10.8	--	--
Melting point / freezing point:	N.A.	--	--
Initial boiling point and boiling range:	N.A.	--	--
Flash point:	N.A.	--	--
Evaporation rate:	N.A.	--	--
Solid/gas flammability:	Not Relevant	--	--
Upper/lower flammability or explosive limits:	Not Relevant	--	--
Vapour pressure:	N.A.	--	--
Vapour density:	N.A.	--	--

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



Relative density:	1.00 kg/l	--	--
Solubility in water:	Complete	--	--
Solubility in oil:	Insoluble	--	--
Partition coefficient (n-octanol/water):	Not Relevant	--	--
Auto-ignition temperature:	N.A.	--	--
Decomposition temperature:	N.A.	--	--
Viscosity:	N.A.	--	--
Explosive properties:	Not Relevant	--	--
Oxidizing properties:	Not Relevant	--	--

9.2. Other information

Properties	Value	Method:	Notes:
Miscibility:	N.A.	--	--
Fat Solubility:	N.A.	--	--
Conductivity:	N.A.	--	--
Substance Groups relevant properties	N.A.	--	--

SECTION 10: Stability and reactivity

- 10.1. Reactivity
Stable under normal conditions
- 10.2. Chemical stability
Stable under normal conditions
- 10.3. Possibility of hazardous reactions
None
- 10.4. Conditions to avoid
Stable under normal conditions.
- 10.5. Incompatible materials
None in particular.
- 10.6. Hazardous decomposition products
None.

SECTION 11: Toxicological information

- 11.1. Information on toxicological effects
Toxicological information of the mixture:
N.A.
Toxicological information of the main substances found in the mixture:
N.A.



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.

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

N.A.

12.3. Bioaccumulative potential

N.A.

12.4. Mobility in soil

N.A.

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. 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

N.A.

14.3. Transport hazard class(es)

N.A.

14.4. Packing group

N.A.



- 14.5. Environmental hazards
- 14.6. Special precautions for user
N.A.
- 14.7. Transport in bulk according to Annex II of Marpol and the IBC Code
N.A.

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:
 - 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 82/501/EEC ('Activities linked to risks of serious accidents') and subsequent amendments.
 - Regulation (EC) nr 648/2004 (detergents).
 - Surfactants contained in this mixture comply biodegradability requirements prescribed by Detergent Regulation 648/2004/CE.
 - 1999/13/EC (VOC directive)
- Provisions related to directives 82/501/EC(Seveso), 96/82/EC(Seveso II):
 - N.A.
- 15.2. Chemical safety assessment
 - No

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.

This safety data sheet has been completely updated in compliance to Regulation 453/2010/EU.

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



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 - twelfth Edition - Van
Nostrand Reinold

ACGIH - Threshold Limit Values - 2008 edition

<http://echa.europa.eu/information-on-chemicals>

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.

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.
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.