

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

1.1. Product identifier

Mixture identification:

Trade name: SMAC BRILLA ACCIAIO TRIGGER/SPRAY

Product code: 3F0139
Product type and use: Surface polish for metallic surfaces

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

112

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

EC regulation criteria 1272/2008 (CLP)

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:

None

Hazard statements:

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.

P501 Dispose of contents/container in accordance with applicable regulations.

Special Provisions:

None

Contains

dipentene; limonene;: May produce an allergic reaction.

Page n. 1 of 12



reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7]; and 2-methyl-2H -isothiazol-3-one [EC no. 220-239-6] (3:1): 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 % anionic surfactants, non-ionic surfactants, phosphates

Also contains: perfumes Allergens: LIMONENE

Preservatives reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-

7]; and 2-methyl-2H -isothiazol-3-one [EC no. 220-239-6] (3:1); reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7]; and 2-

methyl-4-isothiazolin-3-one [EC

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% - < 3%	1-methoxy-2-propanol; monopropylene glycol methyl ether	Index number: CAS: EC: REACH No.:	107-98-2 203-539-1	\$2.6/3 Flam. Liq. 3 H226\$3.8/3 STOT SE 3 H336
>= 1% - < 3%	3-butoxypropan-2-ol; propylene glycol monobutyl ether	Index number: CAS: EC: REACH No.:	5131-66-8 225-878-4	♦ 3.3/2 Eye Irrit. 2 H319♦ 3.2/2 Skin Irrit. 2 H315
>= 0,1% - < 0,25%	dipentene; limonene;	Index number: CAS: EC: REACH No.:	5989-27-5 227-813-5	
< 0,002%	reaction mass of: 5- chloro-2-methyl-4- isothiazolin-3-one [EC no. 247-500-7]; and 2-	Index number:	613-167-00-5	♦ 3.2/1B Skin Corr. 1B H314



methyl-2H -isothiazol-3- one [EC no. 220-239-6] (3:1)	55965-84-9 01- 2120764691 -48-XXX	 ♦ 3.4.2/1A Skin Sens. 1A H317 ♦ 4.1/A1 Aquatic Acute 1 H400 M=100. ♦ 4.1/C1 Aquatic Chronic 1 H410 M=100. ♦ 3.1/3/Oral Acute Tox. 3 H301 ♦ 3.1/2/Dermal Acute Tox. 2 H310 ♦ 3.1/2/Inhal Acute Tox. 2 H330 EUH071 Specific Concentration Limits: C >= 0,6%: Eye Dam. 1 H318 C >= 0,0015%: Skin Sens. 1A H317 0,06% <= C < 0.6%: Skin Irrit. 2 H315
		0,06% <= C < 0.6%: Skin Irrit. 2 H315
		0,06% <= C < 0.6%: Eye Irrit. 2 H319 C >= 0,6%: Skin Corr. 1C H314

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

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.

Page n. 3 of 12



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.

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

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

11 - TWA: 50 ppm

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 -

Page n. 4 of 12



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

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

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:

Not needed for normal use.

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:	Colourless		
Odour:	Characteristic		
Odour threshold:	N.D		smell distinctly perceptible under normal use conditions.

Page n. 5 of 12



рН:	3.0	 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:	Not Relevant	 This property is not pertinent or not relevant to the safety and product classification
Flash point:	>80 °C	 closed cup
Evaporation rate:	N.D.	 medium volatile
Solid/gas flammability:	Not applicable	 liquid product
Upper/lower flammability or explosive limits:	Not Relevant	 This property is not pertinent or not relevant to the safety and product classification
Vapour pressure:	ND bar / 20℃	 This property is not pertinent or not relevant to the safety and product classification
Vapour density:	Not applicable	 This property is not pertinent or not relevant to the safety and product classification
Relative density:	1.0 kg/l	 0
Solubility in water:	Not Relevant	
Solubility in oil:	Not Relevant	
Partition coefficient (noctanol/water):	Not applicable	 mixture of many different substances
Auto-ignition temperature:	Not Relevant	 not flammable
Decomposition temperature:	Not Relevant	 Property is not relevant or not relevant to the safety and product classification
Viscosity:	Not Relevant	 Property is not relevant or not relevant to the safety and product classification
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 Relevant		
Fat Solubility:	Not Relevant		
Conductivity:	Not Relevant		
Substance Groups relevant properties	Not Relevant		

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

No known particular risks of reaction with other substances in normal conditions of use. None

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

By thermal decomposition or in case of fire can be released vapors potentially dangerous to health.

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:

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

reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7]; and 2-methyl-2H -isothiazol-3-one [EC no. 220-239-6] (3:1) - CAS: 55965-84-9

a) acute toxicity:

Test: LD50 - Route: Oral - Species: Rat 2230 mg/kg Test: LD50 - Route: Skin - Species: Rat > 4700 mg/kg Test: LC50 - Route: Inhalation - Species: Rat 5.6 mg/l

Page n. 7 of 12



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

dipentene; limonene; - CAS: 5989-27-5

a) Aquatic acute toxicity:

Endpoint: LC50 - Species: Fish > 1 mg/l

reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7]; and 2-methyl-2H

-isothiazol-3-one [EC no. 220-239-6] (3:1) - CAS: 55965-84-9

a) Aquatic acute toxicity:

Endpoint: 9 - Species: Algae 0.379 mg/l - Duration h: 72

Endpoint: EC50 - Species: Daphnia 1.02 mg/l - Duration h: 48

Endpoint: LC50 - Species: Fish 0.58 mg/l - Duration h: 96

b) Aquatic chronic toxicity:

Endpoint: NOEC - Species: Algae 0.01 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. 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

ADR-Environmental Pollutant: No

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)

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

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

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

Page n. 9 of 12



Dir. 2004/42/EC (VOC directive)

Provisions related to directive EU 2012/18 (Seveso III): Seveso III category according to Annex 1, part 1 None

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:

H226 Flammable liquid and vapour.

H336 May cause drowsiness or dizziness.

H319 Causes serious eye irritation.

H315 Causes skin irritation.

H304 May be fatal if swallowed and enters airways.

H317 May cause an allergic skin reaction.

H400 Very toxic to aquatic life.

H410 Very toxic to aquatic life with long lasting effects.

H314 Causes severe skin burns and eye damage.

H301 Toxic if swallowed.

H310 Fatal in contact with skin.

H330 Fatal if inhaled.

EUH071 Corrosive to the respiratory tract.

H318 Causes serious eye damage.

Hazard class and hazard category	Code	Description
Flam. Liq. 3	2.6/3	Flammable liquid, Category 3
Acute Tox. 2	3.1/2/Dermal	Acute toxicity (dermal), Category 2
Acute Tox. 2	3.1/2/Inhal	Acute toxicity (inhalation), Category 2
Acute Tox. 3	3.1/3/Oral	Acute toxicity (oral), Category 3
Asp. Tox. 1	3.10/1	Aspiration hazard, Category 1
Skin Corr. 1B	3.2/1B	Skin corrosion, Category 1B
Skin Corr. 1C	3.2/1C	Skin corrosion, Category 1C
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
Skin Sens. 1A	3.4.2/1A	Skin Sensitisation, Category 1A
STOT SE 3	3.8/3	Specific target organ toxicity - single exposure, Category 3

Page n. 10 of 12



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

Paragraphs modified from the previous revision:

SECTION 3: Composition/information on ingredients

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
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 responsable 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.

ATE: Acute Toxicity Estimate

ATEmix: Acute toxicity Estimate (Mixtures)

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.

Page n. 11 of 12



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