



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

1.1. Product identifier

Mixture identification:

Trade name: SMAC Express Pavimenti Igienizzante

Product code: 3F0063

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. +356 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

+356 2554 0000

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SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

EC regulation criteria 1272/2008 (CLP)

⚠ 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:

H319 Causes serious eye irritation.

Precautionary statements:

P101 If medical advice is needed, have product container or label at hand.

P102 Keep out of reach of children.

P264 Wash thoroughly hands after handling.

P280 Wear eye/face protection.



P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

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

Special Provisions:

None

Contains

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 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

Also contains: perfumes

Allergens: limonene, linalool

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 no. 220-239-6] (3:1)

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%	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
>= 0,25% - < 0,5%	ethanol; ethyl alcohol	Index number: 603-002-00-5 CAS: 64-17-5 EC: 200-578-6 REACH No.: 01-2119457610-43-XXXX	⚠ 2.6/2 Flam. Liq. 2 H225 ⚠ 3.3/2 Eye Irrit. 2 H319
< 0,0015%	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	Index number: 613-167-00-5	⚠ 3.2/1B Skin Corr. 1B H314



	no. 247-500-7]and 2-methyl-4-isothiazolin-3-one [EC no. 220-239-6] (3:1)	CAS: 55965-84-9 REACH No.: 01-2120764691-48-XXXX	<p> ◆ 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%: Eye Irrit. 2 H319 C >= 0,6%: Skin Corr. 1C H314 </p>
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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.

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 ophthalmologist immediately.

Protect uninjured eye.

In case of Ingestion:

Do NOT induce vomiting.

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.
 - See also section 8 for recommended protective equipment.
 - Advice on general occupational hygiene:
 - Contaminated clothing should be changed before entering eating areas.
 - Do not eat or drink while working.
- 7.2. Conditions for safe storage, including any incompatibilities
 - 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

ethanol; ethyl alcohol - CAS: 64-17-5

ACGIH - STEL: 1000 ppm - Notes: A3 - URT irr

DNEL Exposure Limit Values

Not applicable

PNEC Exposure Limit Values

Not applicable

8.2. Exposure controls

Eye protection:

Eye glasses.

Protection for skin:

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

Protection for hands:

Use protective gloves that provides comprehensive protection, e.g. P.V.C., neoprene or rubber.

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:	green/light blue	--	--
Odour:	characteristic aromatic - balsamic with pungent notes	--	--
Odour threshold:	N.D..	--	smell distinctly perceptible under normal use conditions.



pH:	10.4	--	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:	Not applicable	--	Will not burn
Evaporation rate:	N.D.	--	poorly 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°C	--	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:	1.002 kg/l	--	0
Solubility in water:	Not Relevant	--	--
Solubility in oil:	Not Relevant	--	--
Partition coefficient (n-octanol/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:	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 Relevant	--	0
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:

ALCOHOL, ETHOXYLATED - CAS: 127036-24-2

a) acute toxicity:

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

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

ethanol; ethyl alcohol - CAS: 64-17-5

a) acute toxicity:

Test: LD50 - Route: Oral - Species: Rat = 1501 mg/kg

Test: LC50 - Route: Inhalation - Species: Rat = 5.9 mg/l - Duration: 9

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 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



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.

ALCOHOL, ETHOXYLATED - CAS: 127036-24-2

a) Aquatic acute toxicity:

Endpoint: LC50 - Species: Fish > 1-10 mg/l - Duration h: 96

Endpoint: EC50 - Species: Daphnia > 1-10 mg/l - Duration h: 48

c) Bacteria toxicity:

Endpoint: EC50 - Species: 19126.Bacteria = 140 mg/l

d) Terrestrial toxicity:

Endpoint: NOEC - Species: Algae = 10 mg/kg

e) Plant toxicity:

Endpoint: EC50 - Species: Algae > 1-10 mg/l - Duration h: 72

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 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.

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:

- H302 Harmful if swallowed.
- H318 Causes serious eye damage.
- H225 Highly flammable liquid and vapour.
- H319 Causes serious eye irritation.
- H314 Causes severe skin burns and eye damage.
- H317 May cause an allergic skin reaction.
- H400 Very toxic to aquatic life.
- H410 Very toxic to aquatic life with long lasting effects.
- H301 Toxic if swallowed.
- H310 Fatal in contact with skin.
- H330 Fatal if inhaled.
- EUH071 Corrosive to the respiratory tract.
- H315 Causes skin irritation.

Hazard class and hazard category	Code	Description
Flam. Liq. 2	2.6/2	Flammable liquid, Category 2
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
Acute Tox. 4	3.1/4/Oral	Acute toxicity (oral), Category 4
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. 1A	3.4.2/1A	Skin Sensitisation, Category 1A
Aquatic Acute 1	4.1/A1	Acute aquatic hazard, category 1
Aquatic Chronic 1	4.1/C1	Chronic (long term) aquatic hazard, category 1

This safety data sheet has been completely updated in compliance to Regulation 2015/830.
Classification and procedure used to derive the classification for mixture according to Regulation (EC) 1272/2008 (CLP):
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
Eye Irrit. 2, H319	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.
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.
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.