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

### 1.1. Product identifier

Mixture identification:  
Trade name: OMINO BIANCO SBIANCALANA  
Product code: 1F0069  
Product type and use: Laundry additive  
oxygen based bleach

### 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

+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

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## **SECTION 2: Hazards identification**

### 2.1. Classification of the substance or mixture

EC regulation criteria 1272/2008 (CLP)

⚠ Danger, Eye Dam. 1, Causes serious eye damage.

Adverse physicochemical, human health and environmental effects:

No other hazards

### 2.2. Label elements

Hazard pictograms:



Danger

Hazard statements:

H318 Causes serious eye damage.

Precautionary statements:

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

P102 Keep out of reach of children.

P280 Wear protective gloves and eye 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.  
P310 Immediately call a POISON CENTER / doctor.

Special Provisions:

None

Contains

SODIUM C10-13 ALKYL BENZENESULFONATE  
SODIUM CARBONATE PEROXIDE

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):

> 30 % oxygen-based bleaching

< 5 % phosphonates, anionic surfactants, non-ionic surfactants

Also contains: perfumes, optical brighteners

### 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
>= 30% - < 50%	SODIUM CARBONATE PEROXIDE	CAS: 15630-89-4 EC: 239-707-6	⚠ 2.14/2 Ox. Sol. 2 H272 ⚠ 3.1/4/Oral Acute Tox. 4 H302 ⚠ 3.3/1 Eye Dam. 1 H318
>= 5% - < 10%	sodium carbonate	Index number: CAS: 497-19-8 EC: 207-838-8	⚠ 3.3/2 Eye Irrit. 2 H319
>= 1% - < 5%	SODIUM C10-13 ALKYL BENZENESULF ONATE	CAS: 68411-30-3 EC: 270-115-0	⚠ 3.1/4/Oral Acute Tox. 4 H302 ⚠ 4.1/C3 Aquatic Chronic 3 H412 ⚠ 3.2/2 Skin Irrit. 2 H315 ⚠ 3.3/1 Eye Dam. 1 H318

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](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.

OBTAIN IMMEDIATE MEDICAL ATTENTION.

Wash thoroughly the body (shower or bath).

Remove contaminated clothing immediately and dispose off safely.

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

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## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

Suitable extinguishing media:

Water.

Carbon dioxide (CO<sub>2</sub>).

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.

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## 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

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## 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

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## SECTION 8: Exposure controls/personal protection

- 8.1. Control parameters  
sodium carbonate - CAS: 497-19-8  
11 - TWA(8h): 10 mg/m<sup>3</sup>
- DNEL Exposure Limit Values  
SODIUM CARBONATE PEROXIDE - CAS: 15630-89-4  
Worker Industry: 12.8 19141.06 - Consumer: 6.4 19141.06 - Exposure: Human Dermal - Frequency: Short Term (acute)  
Worker Industry: 5 03 - Exposure: Human Inhalation - Frequency: Short Term, systemic effects
- SODIUM C10-13 ALKYL BENZENESULFONATE - CAS: 68411-30-3  
Worker Industry: 170 19141.05 - Consumer: 85 19141.05 - Exposure: Human Dermal - Frequency: Long Term, systemic effects  
Worker Industry: 12 03 - Consumer: 3 03 - Exposure: Human Inhalation - Frequency: Long Term, systemic effects  
Worker Industry: 0.85 19141.05 - Exposure: Human Oral - Frequency: Long Term, systemic effects
- PNEC Exposure Limit Values  
SODIUM CARBONATE PEROXIDE - CAS: 15630-89-4  
Target: Microorganisms in sewage treatments - Value: 16.24 mg/l  
SODIUM C10-13 ALKYL BENZENESULFONATE - CAS: 68411-30-3  
Target: Fresh Water - Value: 0.268 mg/l  
Target: Marine water - Value: 0.0268 mg/l  
Target: Marine water sediments - Value: 8.1 mg/kg  
Target: Microorganisms in sewage treatments - Value: 3.43 mg/l
- 8.2. Exposure controls  
Eye protection:  
Eye glasses with side protection.  
Dust 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:  
 Suitable gloves type:  
 Half-gloves.  
 Gloves with long cuffs.  
 waterproof gloves  
 Suitable material:  
 Butyl caoutchouc (butyl rubber).  
 PE (polyethylene).  
 PVC (polyvinyl chloride).  
 NR (natural rubber, natural latex).  
 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

<b>Properties</b>	<b>Value</b>	<b>Method:</b>	<b>Notes:</b>
Appearance:	Granulat powder	--	--
Colour:	White	--	--
Odour:	characteristic floral	--	--
Odour threshold:	N.D.	--	smell distinctly perceptible under normal use conditions.
pH:	10.5	--	solution 1% w / w
Melting point / freezing point:	Not applicable	--	2
Initial boiling point and boiling range:	Not applicable	--	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
Evaporation rate:	Not Relevant	--	This property is not pertinent or not relevant to the safety and product classification



Solid/gas flammability:	Not applicable	--	it does not burn
Upper/lower flammability or explosive limits:	Not Relevant	--	solid product
Vapour pressure:	Not Relevant	--	This property is not pertinent or not relevant to the safety and product classification
Vapour density:	Not Relevant	--	This property is not pertinent or not relevant to the safety and product classification
Relative density:	1.20 kg/l	--	--
Solubility in water:	Complete	--	--
Solubility in oil:	Insoluble	--	--
Partition coefficient (n-octanol/water):	Not Relevant	--	mixture of many different substances
Auto-ignition temperature:	Not Relevant	--	not flammable
Decomposition temperature:	ND	--	(estimate: >150°C)
Viscosity:	Not applicable	--	solid product
Explosive properties:	Not applicable	--	No known risk of dust formation or explosive atmospheres
Oxidizing properties:	Non comurente / Not oxidizer	Regulation (EC) No. 440/2008, Annex, A.17	non-oxidizing product

## 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

It may react with easily oxidized metals, oxidizing or reducing agents. With very alkaline



- products can develop oxygen. Use only under the conditions and for the intended uses.
- 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  
Possible exothermic reactions with strong oxidizing or reducing products, with amines, easily oxidizable metals and in contact with a little water. Possible decomposition of hydrogen peroxide.
- 10.4. Conditions to avoid  
Keep in a ventilated area, away from heat, moisture.
- 10.5. Incompatible materials  
materiali sensibili agli ossidanti, come prodotti riducenti, ammine, metalli facilmente ossidabili, metalli pesanti
- 10.6. Hazardous decomposition products  
By thermal decomposition or in case of fire can be released vapors potentially dangerous to health.

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## 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:

SODIUM CARBONATE PEROXIDE - CAS: 15630-89-4

a) acute toxicity:

Test: LD50 - Route: Oral - Species: Rat = 922 mg/kg

sodium carbonate - CAS: 497-19-8

a) acute toxicity:

Test: LD50 - Route: Oral - Species: Rat = 2800 mg/kg

Test: LC50 - Route: Inhalation - Species: Rat = 2.3 mg/l - Duration: 2H

Test: LC50 - Route: Inhalation - Species: Mouse = 1.2 mg/l - Duration: 2H

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

SODIUM C10-13 ALKYL BENZENESULFONATE - CAS: 68411-30-3

a) acute toxicity:

Test: LD50 - Route: Oral - Species: Rat 1150 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.

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## SECTION 12: Ecological information

### 12.1. Toxicity

Adopt good working practices, so that the product is not released into the environment.

SODIUM CARBONATE PEROXIDE - CAS: 15630-89-4

a) Aquatic acute toxicity:

Endpoint: EC50 - Species: Daphnia = 4.9 mg/l - Duration h: 48



Endpoint: LC50 - Species: Fish = 70.7 mg/l - Duration h: 96  
Endpoint: NOEC - Species: Daphnia = 2 mg/l - Duration h: 48  
Endpoint: NOEC - Species: Fish = 7.4 mg/l - Duration h: 96  
sodium carbonate - CAS: 497-19-8

a) Aquatic acute toxicity:

Endpoint: LC50 - Species: Fish = 300 mg/l - Duration h: 96  
Endpoint: EC50 - Species: Daphnia = 227 mg/l - Duration h: 48

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

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**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.

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**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

IMDG-Marine 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

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**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:

No restriction.

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):

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:

H272 May intensify fire; oxidiser.

H302 Harmful if swallowed.

H318 Causes serious eye damage.

H319 Causes serious eye irritation.

H412 Harmful to aquatic life with long lasting effects.

H315 Causes skin irritation.

Hazard class and hazard category	Code	Description
Ox. Sol. 2	2.14/2	Oxidising solid, Category 2
Acute Tox. 4	3.1/4/Oral	Acute toxicity (oral), Category 4
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
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):

Oxidising solids: not classified on basis of test data

Eye Damage 1 (H318): by Calculation Method

Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]:



<b>Classification according to Regulation (EC) Nr. 1272/2008</b>	<b>Classification procedure</b>
Eye Dam. 1, H318	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](http://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.
STOT:	Specific Target Organ Toxicity.
TLV:	Threshold Limiting Value.
TWA:	Time-weighted average
WGK:	German Water Hazard Class.