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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 CANDEGGINA DELICATA FRESCHEZZA  
ALPINA

Product code:

1F0085

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)

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

Special Provisions:  
 None

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 - 15 % oxygen-based bleaching

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

Also contains: perfumes

### 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   |
|-----------------|----------------------------------|---|--|
| >= 5% -<br>< 7% | hydrogen peroxide solution ... % | Index number: 008-003-00-9<br>CAS: 7722-84-1<br>EC: 231-765-0<br>REACH No.: 01-2119485845-22-XXXX | ⚠ 2.13/1 Ox. Liq. 1 H271<br>4.1/C3 Aquatic Chronic 3 H412<br>⚠ 3.2/1A Skin Corr. 1A H314<br>⚠ 3.1/4/Oral Acute Tox. 4 H302<br>⚠ 3.1/4/Inhal Acute Tox. 4 H332<br>Specific Concentration Limits:<br>5% <= C < 8%: Eye Irrit. 2 H319<br>8% <= C < 50%: Eye Dam. 1 H318<br>35% <= C < 50%: Skin Irrit. 2 H315<br>C >= 35%: STOT SE 3 H335<br>50% <= C < 70%: Ox. Liq. 2 H272<br>50% <= C < 70%: Skin Corr. 1B H314<br>C >= 70%: Ox. Liq. 1 H271<br>C >= 70%: Skin Corr. 1A 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](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.



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## **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 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  
hydrogen peroxide solution ... % - CAS: 7722-84-1  
ACGIH - TWA(8h): 1 ppm - Notes: A3 - Eye, URT, and skin irr
- DNEL Exposure Limit Values  
hydrogen peroxide solution ... % - CAS: 7722-84-1  
Worker Professional: 3 03  
Worker Professional: 1.4 03 - Exposure: Human Inhalation  
Consumer: 1.93 03 - Exposure: Human Inhalation  
Consumer: 0.21 03 - Exposure: Human Inhalation
- PNEC Exposure Limit Values  
hydrogen peroxide solution ... % - CAS: 7722-84-1  
Target: Fresh Water - Value: 0.126 mg/l  
Target: Marine water - Value: 0.126 mg/l  
Target: Fresh Water - Value: 0.47 mg/l  
Target: Marine water - Value: 0.47 mg/l
- 8.2. Exposure controls  
Eye protection:  
Eye glasses.
- Protection for skin:  
Chemical protection clothing.
- Protection for hands:  
Suitable material:  
Butyl caoutchouc (butyl rubber).  
CR (polychloroprene, chloroprene rubber).  
waterproof gloves  
PVC (polyvinyl chloride).  
NBR (nitrile 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:                                       | Colourless            | --      | --  |
| Odour:  | characteristic floral | --      | --  |
| Odour threshold:                              | N.D.                  | --      | smell distinctly perceptible under normal use conditions.                               |
| pH:   | 4.5                   | --      | 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:                             | Not Relevant          | --      | poorly volatile   |
| Solid/gas flammability:                       | Not applicable        | --      | liquid product  |
| Upper/lower flammability or explosive limits: | Not applicable        | --      | it does not burn  |
| Vapour pressure:                              | Not Relevant          | --      | --  |
| Vapour density:                               | Not Relevant          | --      | --  |
| Relative density:                             | 1.0 kg/l              | --      | --  |
| Solubility in water:                          | Complete              | --      | --  |
| Solubility in oil:                            | Insoluble             | --      | --  |
| Partition coefficient (n-)                    | Not applicable        | --      | mixture of many different   |



|                            |                |    |  |
|----------------------------|----------------|----|--|
| octanol/water):            |                |    | substances   |
| Auto-ignition temperature: | Not applicable | -- | not flammable  |
| Decomposition temperature: | ND             | -- | very slow decomposition                                  |
| Viscosity:                 | Not Relevant   | -- | --   |
| Explosive properties:      | Not applicable | -- | No known risk of dust formation or explosive atmospheres |
| Oxidizing properties:      | ND             | -- | --   |

#### 9.2. Other information

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

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

May react with alkaline products, with metals, with oxidizing chlorine-based, with products and materials sensitive to strong acid

### 10.2. Chemical stability

The product is stable in normal conditions of use and storage (between -10 °C and + 30 °C). It may decompose slowly at temperatures above 40-50 °C with gas evolution.

### 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

Avoid conditions of handling, storage and use other than those explicitly indicated on the label and / or in Sections 7 and 8

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

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:

hydrogen peroxide solution ... % - CAS: 7722-84-1

a) acute toxicity:

Test: LD50 - Route: Oral - Species: Rat = 1193 mg/kg - Notes: m

Test: LD50 - Route: Oral - Species: Rat = 1270 mg/kg - Notes: f

Test: LC50 - Route: Inhalation - Species: Rat > 0.17 mg/l - Duration: 4h

Test: LD50 - Route: Skin - Species: Rat > 2000 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.

hydrogen peroxide solution ... % - CAS: 7722-84-1

a) Aquatic acute toxicity:

Endpoint: LC50 - Species: Fish = 16.4 mg/l - Duration h: 96

b) Aquatic chronic toxicity:

Endpoint: NOEC - Species: Algae = 0.63 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

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## **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.

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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  
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

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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)
  - 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):

Not applicable

15.2. Chemical safety assessment

No Chemical Safety Assessment has been carried out for the mixture.

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### **SECTION 16: Other information**

Text of phrases referred to under heading 3:

H271 May cause fire or explosion; strong oxidiser.

H412 Harmful to aquatic life with long lasting effects.

H314 Causes severe skin burns and eye damage.

H302 Harmful if swallowed.



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H332 Harmful if inhaled.  
H319 Causes serious eye irritation.  
H318 Causes serious eye damage.  
H315 Causes skin irritation.  
H335 May cause respiratory irritation.  
H272 May intensify fire; oxidiser.

| <b>Hazard class and hazard category</b> | <b>Code</b> | <b>Description</b>   |
|---|-------------|--|
| Ox. Liq. 1                              | 2.13/1      | Oxidising liquid, Category 1                                 |
| Ox. Liq. 2                              | 2.13/2      | Oxidising liquid, Category 2                                 |
| 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                                   |
| STOT SE 3                               | 3.8/3       | Specific target organ toxicity - single exposure, Category 3 |
| 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  
SECTION 15: Regulatory information  
SECTION 16: Other information

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 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](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

**OMINO BIANCO CANDEGGINA DELICATA FRESCHEZZA ALPINA**  
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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.   |