

# SAFETY DATA SHEET

According to Regulation (EC) No. 1907/2006 (REACH) Article 31, Annex II as amended.

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

### 1.1 Product identifier

**Product name:** Limonello Pastiglie Lavastoviglie Regular

**Product No.:** 0018000024

### 1.2 Relevant identified uses of the substance or mixture and uses advised against

**Identified uses:** For the cleaning of crockery/cutlery & kitchen utensils in an automatic dishwasher machine.

**Uses advised against:**

### 1.3 Details of the supplier of the safety data sheet

#### Manufacturer

McBride S.p.A. (Bagnatica)  
Via Kennedy, 28b  
BAGNATICA (BG) 24060

**Telefono:** + 39 (0) 356 666 411

**Fax:** + 39 (0) 356 666 401

**Website:** <http://www.detergentinfo.com>

**E-mail:** [product.legislation@mcbride.eu](mailto:product.legislation@mcbride.eu)

**1.4 Numero telefonico di emergenza:** + 39 (0) 266 101 029 Centro antiveleni ospedale Niguarda - Milano

## SECTION 2: Hazards identification

### 2.1 Classification of the substance or mixture

The product has been classified according to the legislation in force.

**Classification according to Regulation (EC) No 1272/2008 as amended.**

#### Health Hazards

Serious eye irritation

Category 2

H319: Causes serious eye irritation.

### 2.2 Label Elements



**Signal Word:**

Warning

**Hazard Statement(s):**

H319: Causes serious eye irritation.

#### Precautionary Statements

**General advice:**

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

P102: Keep out of reach of children.

P103: Read label before use.

**Prevention:** P264: Wash hands thoroughly after handling.

**Response:** 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.

**AISE:**



**Chemical composition according to Reg. 648/2004**

5%-15%: Oxygen-Based Bleaching Agents  
<5%: Non-Ionic Surfactants, Polycarboxylates  
Other Components: Enzymes, Perfumes

**2.3 Other hazards** No data available.

**SECTION 3: Composition/information on ingredients**

**3.2 Mixtures**

**General information:** No data available.

Chemical name	Concentration	CAS-No.	EC No.	REACH Registration No.	M-Factor:	Notes
SODIUM CARBONATE	20 - <50%	497-19-8	207-838-8	01-2119485498-19	1	
SODIUM CARBONATE PEROXIDE	10 - <20%	15630-89-4	239-707-6	01-2119457268-30	1	
ALCOHOLS, C12-14, ETHOXYLATED PROPOXYLATED	1 - <5%	68439-51-0		No data available.	1	
SODIUM SILICATE (MOLAR RATIO 2.6-3.2)	1 - <5%	1344-09-8	215-687-4	01-2119448725-31	1	

\* All concentrations are percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

# This substance has workplace exposure limit(s).

**Classification**

Chemical name	Classification	Notes
SODIUM CARBONATE	Eye Irrit.: 2: H319	No data available.
SODIUM CARBONATE PEROXIDE	Ox. Sol.: 3: H272 Acute Tox.: 4: H302 Eye Dam.: 1: H318	

ALCOHOLS, C12-14, ETHOXYLATED PROPOXYLATED	Eye Irrit.: 2: H319 Acute Tox.: 4: H302 Aquatic Chronic: 3: H412	
SODIUM SILICATE (MOLAR RATIO 2.6-3.2)	Skin Irrit.: 2: H315 Eye Irrit.: 2: H319 STOT SE: 3: H335	

The full text for all H-statements is displayed in section 16.  
CLP: Regulation No. 1272/2008.

## SECTION 4: First aid measures

### 4.1 Description of first aid measures

<b>Inhalation:</b>	Move to fresh air.
<b>Skin Contact:</b>	Flush skin thoroughly with water.
<b>Eye contact:</b>	Immediately flush with plenty of water for up to 15 minutes. Remove any contact lenses and open eyes wide apart. Get medical attention if irritation persists after washing.
<b>Ingestion:</b>	Rinse mouth thoroughly. Do NOT induce vomiting. Seek medical attention.

<b>4.2 Most important symptoms and effects, both acute and delayed:</b>	Mildly irritating to skin with prolonged exposure. Causes serious eye irritation.
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### 4.3 Indication of any immediate medical attention and special treatment needed

<b>Hazards:</b>	No special precautionary health measures should be needed under anticipated conditions of use.
<b>Treatment:</b>	Get medical attention if symptoms occur.

## SECTION 5: Firefighting measures

<b>General Fire Hazards:</b>	No unusual fire or explosion hazards noted.
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### 5.1 Extinguishing media

<b>Suitable extinguishing media:</b>	Extinguish with foam, carbon dioxide, dry powder or water fog.
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<b>Unsuitable extinguishing media:</b>	Do not use water jet as an extinguisher, as this will spread the fire.
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### 5.2 Special hazards arising from the substance or mixture:

During fire, gases hazardous to health may be formed.

### 5.3 Advice for firefighters Special fire fighting procedures:

Wear self-contained breathing apparatus and protective clothing.

**Special protective equipment for fire-fighters:** Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

## SECTION 6: Accidental release measures

- 6.1 Personal precautions, protective equipment and emergency procedures:** Avoid contact with eyes and prolonged or repeated contact with skin.
- 6.2 Environmental Precautions:** Avoid release to the environment. Do not contaminate water sources or sewer. Prevent further leakage or spillage if safe to do so.
- 6.3 Methods and material for containment and cleaning up:** Avoid dust formation. Sweep or scoop up and remove.
- 6.4 Reference to other sections:** See Section 8 of the SDS for Personal Protective Equipment.

## SECTION 7: Handling and storage:

- 7.1 Precautions for safe handling:** Provide adequate ventilation. Avoid contact with eyes. Avoid contact with skin. No specific hygiene procedures noted, but good personal hygiene practices are always advisable, especially when working with chemicals. Use only as directed.
- 7.2 Conditions for safe storage, including any incompatibilities:** Store away from incompatible materials. Store in original tightly closed container.
- 7.3 Specific end use(s):** For the cleaning of crockery/cutlery & kitchen utensils in an automatic dishwasher machine.

## SECTION 8: Exposure controls/personal protection

### 8.1 Control Parameters Occupational Exposure Limits

### 8.2 Exposure controls

**Appropriate Engineering Controls:** No data available.

#### Individual protection measures, such as personal protective equipment

**General information:** Do not eat, drink or smoke when using the product. Use personal protective equipment as required. Personal protection equipment should be chosen according to the CEN standards and in discussion with the supplier of the personal protective equipment.

**Eye/face protection:** Use approved safety goggles or face shield.

#### Skin protection

**Hand Protection:** Use suitable protective gloves if risk of skin contact.

<b>Other:</b>	No data available.
<b>Respiratory Protection:</b>	Avoid breathing dust.
<b>Hygiene measures:</b>	Avoid contact with eyes. Avoid contact with skin. Wash hands thoroughly after handling.
<b>Environmental Controls:</b>	No eSDS available.

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

#### Appearance

<b>Physical state:</b>	solid
<b>Form:</b>	solid
<b>Color:</b>	White, Green
<b>Odor:</b>	citrus - lemon
<b>Odor Threshold:</b>	No data available.
<b>pH:</b>	10,50
<b>Melting Point:</b>	No data available.
<b>Boiling Point:</b>	No data available.
<b>Flash Point:</b>	No data available.
<b>Evaporation Rate:</b>	No data available.
<b>Flammability (solid, gas):</b>	No data available.
<b>Flammability Limit - Upper (%):</b>	No data available.
<b>Flammability Limit - Lower (%):</b>	No data available.
<b>Vapor pressure:</b>	No data available.
<b>Vapor density (air=1):</b>	No data available.
<b>Density:</b>	No data available.
<b>Relative density:</b>	No data available.
<b>Solubility(ies)</b>	
<b>Solubility in Water:</b>	No data available.
<b>Solubility (other):</b>	No data available.
<b>Partition coefficient (n-octanol/water):</b>	No data available.
<b>Autoignition Temperature:</b>	No data available.
<b>Decomposition Temperature:</b>	No data available.
<b>SADT:</b>	No data available.
<b>Viscosity:</b>	No data available.
<b>Explosive properties:</b>	No data available.
<b>Oxidizing properties:</b>	No data available.

## SECTION 10: Stability and reactivity

<b>10.1 Reactivity:</b>	Stable under normal temperature conditions and recommended use.
<b>10.2 Chemical Stability:</b>	Material is stable under normal conditions.

- 10.3 Possibility of hazardous reactions:** None under normal conditions.
- 10.4 Conditions to avoid:** Avoid heat or contamination. Do not freeze. Avoid dust formation.
- 10.5 Incompatible Materials:** Strong acids. Strong oxidizing substances. Strong bases.
- 10.6 Hazardous Decomposition Products:** By fire, toxic gases may be formed (CO<sub>x</sub>, NO<sub>x</sub>).

## SECTION 11: Toxicological information

### Information on likely routes of exposure

- Inhalation:** None under normal conditions.
- Skin Contact:** Mildly irritating to skin with prolonged exposure.
- Eye contact:** Causes serious eye irritation.
- Ingestion:** May be ingested by accident. Ingestion may cause irritation and malaise.

### 11.1 Information on toxicological effects

#### Acute toxicity

##### Oral

- Product:** ATEmix: 5.389,990000 mg/kg
- Specified substance(s)**
- SODIUM CARBONATE No data available.  
SODIUM CARBONATE LD 50 (Rat): 893,000000 mg/kg  
PEROXIDE
- ALCOHOLS, C12-14, No data available.  
ETHOXYLATED  
PROPOXYLATED
- SODIUM SILICATE No data available.  
(MOLAR RATIO 2.6-3.2)

##### Dermal

- Product:** Not classified for acute toxicity based on available data.
- Specified substance(s)**
- SODIUM CARBONATE No data available.  
SODIUM CARBONATE No data available.  
PEROXIDE
- ALCOHOLS, C12-14, No data available.  
ETHOXYLATED  
PROPOXYLATED
- SODIUM SILICATE No data available.  
(MOLAR RATIO 2.6-3.2)

##### Inhalation

- Product:** Not classified for acute toxicity based on available data.

##### Specified substance(s)

SODIUM CARBONATE	No data available.
SODIUM CARBONATE	No data available.
PEROXIDE	
ALCOHOLS, C12-14, ETHOXYLATED PROPOXYLATED	No data available.
SODIUM SILICATE (MOLAR RATIO 2.6-3.2)	No data available.

**Repeated dose toxicity**

**Product:** No data available.

**Specified substance(s)**

SODIUM CARBONATE	No data available.
SODIUM CARBONATE	No data available.
PEROXIDE	
ALCOHOLS, C12-14, ETHOXYLATED PROPOXYLATED	No data available.
SODIUM SILICATE (MOLAR RATIO 2.6-3.2)	No data available.

**Skin Corrosion/Irritation:**

**Product:** Based on available data, the classification criteria are not met.

**Specified substance(s)**

SODIUM CARBONATE	No data available.
SODIUM CARBONATE	No data available.
PEROXIDE	
ALCOHOLS, C12-14, ETHOXYLATED PROPOXYLATED	No data available.
SODIUM SILICATE (MOLAR RATIO 2.6- 3.2)	No data available.

**Serious Eye Damage/Eye Irritation:**

**Product:** Causes serious eye irritation.

**Specified substance(s)**

SODIUM CARBONATE	in vivo (Rabbit, 1,00 - 14,00 d): Irritating
SODIUM CARBONATE	No data available.
PEROXIDE	
ALCOHOLS, C12-14, ETHOXYLATED PROPOXYLATED	No data available.
SODIUM SILICATE (MOLAR RATIO 2.6- 3.2)	No data available.

**Respiratory or Skin**

**Sensitization:**

**Product:** Based on available data, the classification criteria are not met.

**Specified substance(s)**

SODIUM CARBONATE	No data available.
SODIUM CARBONATE	No data available.
PEROXIDE	
ALCOHOLS, C12-14,	No data available.
ETHOXYLATED	
PROPOXYLATED	
SODIUM SILICATE	No data available.
(MOLAR RATIO 2.6-	
3.2)	

**Germ Cell Mutagenicity**

**In vitro**

**Product:** Based on available data, the classification criteria are not met.

**Specified substance(s)**

SODIUM CARBONATE	No data available.
SODIUM CARBONATE	No data available.
PEROXIDE	
ALCOHOLS, C12-14,	No data available.
ETHOXYLATED	
PROPOXYLATED	
SODIUM SILICATE	No data available.
(MOLAR RATIO 2.6-3.2)	

**In vivo**

**Product:** Based on available data, the classification criteria are not met.

**Specified substance(s)**

SODIUM CARBONATE	No data available.
SODIUM CARBONATE	No data available.
PEROXIDE	
ALCOHOLS, C12-14,	No data available.
ETHOXYLATED	
PROPOXYLATED	
SODIUM SILICATE	No data available.
(MOLAR RATIO 2.6-3.2)	

**Carcinogenicity**

**Product:** No data available.

**Specified substance(s)**

SODIUM CARBONATE	No data available.
SODIUM CARBONATE	No data available.
PEROXIDE	
ALCOHOLS, C12-14,	No data available.
ETHOXYLATED	
PROPOXYLATED	
SODIUM SILICATE	No data available.
(MOLAR RATIO 2.6-3.2)	

**Reproductive toxicity**

**Product:** No data available.

**Specified substance(s)**

SODIUM CARBONATE	No data available.
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SODIUM CARBONATE PEROXIDE	No data available.
ALCOHOLS, C12-14, ETHOXYLATED PROPOXYLATED	No data available.
SODIUM SILICATE (MOLAR RATIO 2.6-3.2)	No data available.

**Specific Target Organ Toxicity - Single Exposure**

**Product:** Based on available data, the classification criteria are not met.

**Specified substance(s)**

SODIUM CARBONATE	No data available.
SODIUM CARBONATE PEROXIDE	No data available.
ALCOHOLS, C12-14, ETHOXYLATED PROPOXYLATED	No data available.
SODIUM SILICATE (MOLAR RATIO 2.6-3.2)	No data available.

**Specific Target Organ Toxicity - Repeated Exposure**

**Product:** Based on available data, the classification criteria are not met.

**Specified substance(s)**

SODIUM CARBONATE	No data available.
SODIUM CARBONATE PEROXIDE	No data available.
ALCOHOLS, C12-14, ETHOXYLATED PROPOXYLATED	No data available.
SODIUM SILICATE (MOLAR RATIO 2.6-3.2)	No data available.

**Aspiration Hazard**

**Product:** Based on available data, the classification criteria are not met.

**Specified substance(s)**

SODIUM CARBONATE	No data available.
SODIUM CARBONATE PEROXIDE	No data available.
ALCOHOLS, C12-14, ETHOXYLATED PROPOXYLATED	No data available.
SODIUM SILICATE (MOLAR RATIO 2.6-3.2)	No data available.

**SECTION 12: Ecological information**

**12.1 Toxicity**

**Acute toxicity**

**Fish**

**Product:** Based on available data, the classification criteria are not met.

**Specified substance(s)**

SODIUM CARBONATE	No data available.
SODIUM CARBONATE	No data available.
PEROXIDE	
ALCOHOLS, C12-14, ETHOXYLATED PROPOXYLATED	No data available.
SODIUM SILICATE (MOLAR RATIO 2.6-3.2)	No data available.

**Aquatic Invertebrates**

**Product:** Based on available data, the classification criteria are not met.

**Specified substance(s)**

SODIUM CARBONATE	No data available.
SODIUM CARBONATE	No data available.
PEROXIDE	
ALCOHOLS, C12-14, ETHOXYLATED PROPOXYLATED	No data available.
SODIUM SILICATE (MOLAR RATIO 2.6-3.2)	No data available.

**Chronic Toxicity**

**Fish**

**Product:** No data available.

**Specified substance(s)**

SODIUM CARBONATE	No data available.
SODIUM CARBONATE	No data available.
PEROXIDE	
ALCOHOLS, C12-14, ETHOXYLATED PROPOXYLATED	No data available.
SODIUM SILICATE (MOLAR RATIO 2.6-3.2)	No data available.

**Aquatic Invertebrates**

**Product:** No data available.

**Specified substance(s)**

SODIUM CARBONATE	No data available.
SODIUM CARBONATE	No data available.
PEROXIDE	
ALCOHOLS, C12-14, ETHOXYLATED PROPOXYLATED	No data available.
SODIUM SILICATE (MOLAR RATIO 2.6-3.2)	No data available.

**Toxicity to Aquatic Plants**

**Product:** Based on available data, the classification criteria are not met.

**Specified substance(s)**

SODIUM CARBONATE	No data available.
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SODIUM CARBONATE PEROXIDE  
ALCOHOLS, C12-14, ETHOXYLATED  
PROPOXYLATED  
SODIUM SILICATE (MOLAR RATIO 2.6-3.2)

No data available.  
No data available.  
No data available.

**12.2 Persistence and Degradability**

**Biodegradation**

**Product:**

The surfactant(s) contained in this mixture comply with biodegradability criteria as laid down in regulations (EC) No 648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the member state. The other components of this mixture are either environmentally inert or absorbed onto sewage and sediment etc or will biodegrade to substances which are likely to be of low environmental impact when the mixture is used as directed.

**Specified substance(s)**

SODIUM CARBONATE PEROXIDE  
ALCOHOLS, C12-14, ETHOXYLATED  
PROPOXYLATED  
SODIUM SILICATE (MOLAR RATIO 2.6-3.2)

No data available.  
No data available.  
No data available.  
No data available.

**BOD/COD Ratio**

**Product**

No data available.

**Specified substance(s)**

SODIUM CARBONATE PEROXIDE  
ALCOHOLS, C12-14, ETHOXYLATED  
PROPOXYLATED  
SODIUM SILICATE (MOLAR RATIO 2.6-3.2)

No data available.  
No data available.  
No data available.  
No data available.

**12.3 Bioaccumulative potential**

**Product:**

The product is not bioaccumulating.

**Specified substance(s)**

SODIUM CARBONATE PEROXIDE  
ALCOHOLS, C12-14, ETHOXYLATED  
PROPOXYLATED  
SODIUM SILICATE (MOLAR RATIO 2.6-3.2)

No data available.  
No data available.  
No data available.  
No data available.

**12.4 Mobility in soil:**

No data available.

**Known or predicted distribution to environmental compartments**

SODIUM CARBONATE	No data available.
SODIUM CARBONATE	No data available.
PEROXIDE	
ALCOHOLS, C12-14, ETHOXYLATED PROPOXYLATED	No data available.
SODIUM SILICATE (MOLAR RATIO 2.6-3.2)	No data available.

**12.5 Results of PBT and vPvB assessment:** Based on available data, the classification criteria are not met.

SODIUM CARBONATE	No data available.
SODIUM CARBONATE	No data available.
PEROXIDE	
ALCOHOLS, C12-14, ETHOXYLATED PROPOXYLATED	No data available.
SODIUM SILICATE (MOLAR RATIO 2.6-3.2)	No data available.

**12.6 Other adverse effects:** None known.

**12.7 Additional Information:** No data available.

**SECTION 13: Disposal considerations**

**13.1 Waste treatment methods**

**General information:** Dispose of contents/container in accordance with local requirements for domestic waste disposal.

**Disposal methods:** Wash before disposal. Dispose to controlled facilities.

**SECTION 14: Transport information**

**ADR**  
Not regulated.

**ADN**  
Not regulated.

**RID**  
Not regulated.

**IMDG**  
Not regulated.

**IATA**  
Not regulated.

**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:**

**EU Regulations**

**Regulation (EC) No. 2037/2000 Substances that deplete the ozone layer:** none  
**Regulation (EC) No. 850/2004 on persistent organic pollutants:** none

**Regulation (EC) No. 689/2008 Import and export of dangerous chemicals:** none

**Regulation (EC) No. 1907/2006, REACH Annex XIV Substances subject to authorisation, as amended:** none

**Regulation (EC) No. 1907/2006, REACH, Annex XVII Substances subject to restriction on marketing and use:** none

**Directive 2004/37/EC on the protection of workers from the risks related to exposure to carcinogens and mutagens at work.:** none

**Directive 92/85/EEC: on the safety and health of pregnant workers and workers who have recently given birth or are breast feeding.:** none

**Directive 96/82/EC (Seveso III): on the control of major accident hazards involving dangerous substances:** none

**EU. Regulation No. 166/2006 PRTR (Pollutant Release and Transfer Registry), Annex II: Pollutants:** none

**Directive 98/24/EC on the protection of workers from the risks related to chemical agents at work:** none

**15.2 Chemical safety assessment:** No Chemical Safety Assessment has been carried out.

#### International regulations

Montreal protocol

Stockholm convention

Rotterdam convention

Kyoto protocol

#### SECTION 16: Other information

**Revision Information:** Not relevant.

#### References

PBT PBT: persistent, bioaccumulative and toxic substance.  
vPvB vPvB: very persistent and very bioaccumulative substance.

**Key literature references and sources for data:** No data available.

#### Wording of the H-statements in section 2 and 3

H272 May intensify fire; oxidizer.  
H302 Harmful if swallowed.  
H315 Causes skin irritation.  
H318 Causes serious eye damage.  
H319 Causes serious eye irritation.

H335  
H412

May cause respiratory irritation.  
Harmful to aquatic life with long lasting effects.

**Training information:** No data available.

**Classification according to Regulation (EC) No 1272/2008 as amended.**

Eye Irrit. 2, H319

**DetNet Classification** Not relevant.

**Logging Number:**

**Issue Date:** 22.05.2018

**SDS No.:**

**Disclaimer:** This information is provided without warranty. The information is believed to be correct. This information should be used to make an independent determination of the methods to safeguard workers and the environment.