

**Colorificio A. & B. Casati SpA****029001 - RISANA SPRAY**Revision n.5  
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IT

## Safety Data Sheet

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

#### 1.1. Product identifier

Code: 029001  
Name: RISANA SPRAY

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

Description / Use: Sanitizing restorative product with strong whitening action

#### 1.3. Information on the supplier of the safety data sheet

Business name: Colorificio A. & B. Casati SpA Via  
Address: Valpantena 59 / B - Poiano  
Location and State: 37142 VERONA (VR)  
ITALY  
tel. 045 550 244  
fax 045 550 414  
e-mail of the competent person responsible for the safety data sheet: tintotoc@casati.it

#### 1.4. Emergency telephone number

For urgent information contact: 045550244

### SECTION 2. Hazards identification

#### 2.1. Substance or mixture classification

The product is classified as dangerous pursuant to the provisions of Regulation (EC) 1272/2008 (CLP) (and subsequent amendments and adjustments). The product therefore requires a safety data sheet compliant with the provisions of Regulation (EC) 1907/2006 and subsequent amendments.

Any additional information regarding risks to health and / or the environment are given in sections. 11 and 12 of this sheet.

##### Hazard classification and indications:

Substance or mixture corrosive to metals, category 1	H290	It can be corrosive to metals.
Skin corrosion, category 1	H314	It causes serious skin burns and serious eye injuries.
Serious eye damage, category 1	H318	Causes serious eye damage.
Hazardous to the aquatic environment, acute toxicity, category 1	H400	Very toxic to aquatic organisms.

#### 2.2. Label elements

Danger labeling pursuant to Regulation (EC) 1272/2008 (CLP) and subsequent amendments and adjustments.

##### Hazard pictograms:



Warnings: Danger

##### Hazard statements:

<b>H290</b>	It can be corrosive to metals.
<b>H314</b>	It causes serious skin burns and serious eye injuries.
<b>H400</b>	Very toxic to aquatic organisms.
<b>EUH031</b>	Contact with acids liberates toxic gas.
<b>EUH206</b>	Attention! Do not use in combination with other products. Hazardous gases (chlorine) can be formed.

##### Precautionary advice:

<b>P101</b>	If you need to consult a doctor, have the container or the label of the product available.
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## 029001 - RISANA SPRAY

## SECTION 2. Hazards identification... / &gt;&gt;

<b>P102</b>	Keep out of reach of children. Keep only in the
<b>P234</b>	original packaging.
<b>P280</b>	Wear protective gloves / clothing and protect eyes / face. Immediately
<b>P310</b>	call a POISON CENTER / doctor / . . . Absorb spill to avoid material
<b>P390</b>	damage.
<b>P501</b>	Dispose of the product / container in collection points for hazardous or special waste.

**Contains:** SODIUM HYPOCHLORITE

Product not intended for the uses envisaged by Dir. 2004/42 / EC.

## 2.3. Other dangers

On the basis of available data, the product does not contain PBT or vPvB substances in percentage greater than 0.1%.

## SECTION 3. Composition / information on ingredients

## 3.1. Substances

Not relevant information

## 3.2. Blends

**Contains:**

Identification	Conc.%	Classification 1272/2008 (CLP)
<b>SODIUM HYPOCHLORITE</b>		
16% - active chlorine		
CAS 7681-52-9	46.942	Met. Corr. 1 H290, Skin Corr. 1B H314, STOT SE 3 H335, Aquatic Acute 1 H400 M = 10, EUH031, Note B
<small>THERE IS</small> 231-668-3		
INDEX 017-011-00-1		
Reg. No. 01-2119488154-34		
<b>SODIUM CHLORATE</b>		
CAS 7775-09-9	1.96	Acute Tox. 4 H302, Aquatic Chronic 2 H411
<small>THERE IS</small> 231-887-4		
INDEX		
Reg. No. 01-2119474389-23		

The full wording of the hazard statements (H) is given in section 16 of the sheet.

## SECTION 4. First aid measures

## 4.1. Description of first aid measures

EYES: Remove any contact lenses. Wash immediately and abundantly with water for at least 30/60 minutes, opening the eyelids well. Consult a physician immediately.

SKIN: Take off contaminated clothing. Take a shower immediately. Consult a physician immediately.

INGESTION: Give as much water to drink as possible. Consult a physician immediately. Do not induce vomiting unless expressly authorized by your doctor.

INHALATION: Call a doctor immediately. Take the person out into the fresh air, away from the scene of the accident. If breathing stops, give artificial respiration. Take adequate precautions for the rescuer.

## 4.2. Most important symptoms and effects, both acute and delayed

For symptoms and effects due to the substances contained, see chapter 11.

## 4.3. Indication of any immediate medical attention and special treatment needed

Information not available

**029001 - RISANA SPRAY****SECTION 5. Firefighting measures****5.1. Fire fighting**

## SUITABLE EXTINGUISHING MEDIA

The extinguishing media are: carbon dioxide and chemical powder. For product leaks and spills that have not caught fire, water spray can be used to disperse flammable vapors and protect those involved in stopping the leak. UNSUITABLE EXTINGUISHING MEDIA

Do not use water jets.

Water is not effective to extinguish the fire however it can be used to cool closed containers exposed to the flame, preventing bursts and explosions.

**5.2. Special hazards arising from the substance or mixture**

## HAZARDS CAUSED BY EXPOSURE IN THE EVENT OF FIRE

The product, if involved in large quantities in a fire, can considerably aggravate it. Avoid breathing combustion products.

**5.3. Recommendations for firefighters**

## GENERAL INFORMATION

In case of fire, immediately cool the containers to avoid the danger of explosions (product decomposition, overpressure) and the development of substances potentially dangerous for health. Always wear full fire protection equipment. If possible without risk, remove the containers containing the product from the fire.

## EQUIPMENT

Normal clothing for firefighting, such as an open circuit compressed air breathing apparatus (EN 137), flame retardant suit (EN469), flame retardant gloves (EN 659) and fire brigade boots (HO A29 or A30).

**SECTION 6. Accidental release measures****6.1. Personal precautions, protective equipment and emergency procedures**

Stop the leak if there is no danger.

Wear suitable protective equipment (including personal protective equipment referred to in section 8 of the safety data sheet) to prevent contamination of skin, eyes and personal clothing. These indications are valid both for the workers and for emergency interventions.

**6.2. Environmental precautions**

Prevent the product from entering sewers, surface water, groundwater.

**6.3. Methods and materials for containment and cleaning up**

Suck up the leaked product into a suitable container. If the product is flammable, use explosion-proof equipment. Evaluate the compatibility of the container to be used with the product, checking section 10. Absorb the remainder with inert absorbent material. Provide sufficient ventilation of the place affected by the leak. The disposal of contaminated material must be carried out in accordance with the provisions of point 13.

**6.4. Reference to other sections**

Any information regarding personal protection and disposal is given in sections 8 and 13.

**SECTION 7. Handling and storage****7.1. Precautions for Safe Handling**

Ensure an adequate earthing system for plants and people. Avoid contact with eyes and skin. Do not inhale any dusts or vapors or mists. Do not eat, drink or smoke during use. Wash hands after use. Avoid the dispersion of the product in the environment.

**7.2. Conditions for safe storage, including any incompatibilities**

Keep only in the original container. Store in a ventilated place, away from sources of ignition. Keep containers tightly closed. Keep the product in clearly labeled containers. Avoid overheating. Avoid violent shocks. Keep containers away from any incompatible materials, checking section 10.

**7.3. Specific end uses**

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Information not available

**SECTION 8. Exposure controls / personal protection****8.1. Control parameters**

Information not available

**8.2. Exposure controls**

Considering that the use of adequate technical measures should always take priority over personal protective equipment, ensure good ventilation in the workplace through effective local exhaust.

For the choice of personal protective equipment, if necessary, seek advice from your chemical suppliers. Personal protective equipment must bear the CE mark which certifies their compliance with current regulations.

In the event that the product can or must come into contact or react with acids, adopt adequate technical and / or organizational measures, due to the risk of the development of toxic and / or flammable gases.

**HAND PROTECTION**

Protect hands with category III work gloves (ref. Standard EN 374).

For the final choice of the material of the work gloves it is necessary to consider: compatibility, degradation, breakage time and permeation.

In the case of preparations, the resistance of work gloves to chemical agents must be checked before use as it is not foreseeable. Gloves have a wear time that depends on the duration and method of use.

**SKIN PROTECTION**

Wear category I professional long-sleeved work clothes and safety footwear (ref. Directive 89/686 / EEC and standard EN ISO 20344). Wash with soap and water after removing protective clothing.

**EYE PROTECTION**

It is recommended to wear airtight protective goggles (ref. Standard EN

**166). RESPIRATORY PROTECTION**

In case of exceeding the threshold value (eg TLV-TWA) of the substance or of one or more of the substances present in the product, it is recommended to wear a mask with a type B filter whose class (1, 2 or 3) must be chosen in relation to the limit concentration of use. (ref. standard EN 14387). If there are gases or vapors of a different nature and / or gases or vapors with particles (aerosols, fumes, mists, etc.), combined filters must be provided.

The use of respiratory protection means is necessary if the technical measures adopted are not sufficient to limit the exposure of the worker to the threshold values taken into consideration. The protection offered by the masks is however limited.

In the event that the substance in question is odorless or its olfactory threshold is higher than the relative TLV-TWA and in the event of an emergency, wear an open-circuit compressed air breathing apparatus (ref. Standard EN 137) or a self-contained breathing apparatus. outdoor air (ref. EN 138 standard). For the correct choice of the respiratory protection device, refer to the EN 529 standard.

**ENVIRONMENTAL EXPOSURE CONTROLS**

Emissions from manufacturing processes, including those from ventilation equipment should be controlled for compliance with environmental protection legislation.

**SECTION 9. Physical and chemical properties****9.1. Information on basic physical and chemical properties**

Physical state	liquid
Color	straw yellow
Odor	pungent
Odor threshold	Unavailable
pH	12
Melting or freezing point Initial	Unavailable
boiling point	Unavailable
Boiling range Flash	Unavailable
point Evaporation rate	> 60 ° C
	Unavailable
Flammability of solids and	Unavailable
gases Lower flammability limit	Unavailable
Upper flammability limit Lower	Unavailable
explosive limit Upper explosive	Unavailable
limit Vapor pressure	Unavailable
	Unavailable
Vapor density	Unavailable
Relative density	1.05
Solubility	Unavailable
Partition coefficient: n-octanol / water: Auto-	Unavailable
ignition temperature	Unavailable
Decomposition temperature	Unavailable

**029001 - RISANA SPRAY****SECTION 9. Physical and chemical properties... / >>**

Viscosity	Unavailable
Explosive properties	Unavailable
Oxidizing properties	Unavailable

**9.2. Other information**

VOC (Directive 2010/75 / EC):	0
VOC (volatile carbon):	0

**SECTION 10. Stability and reactivity****10.1. Reactivity**

Information not available

**10.2. Chemical stability**

Information not available

**10.3. Possibility of hazardous reactions**

The product can react violently with water.

**10.4. Conditions to avoid**

Avoid overheating. Prevent moisture or water from entering the containers.

**10.5. Incompatible materials**

Information not available

**10.6. Hazardous decomposition products**

Information not available

**SECTION 11. Toxicological information****11.1. Information on toxicological effects**

Metabolism, kinetics, mechanism of action and other information

Information not available

Information on likely routes of exposure

Information not available

Delayed and immediate effects and chronic effects from short and long term exposure

Information not available

Interactive effects

Information not available

**ACUTE TOXICITY**

LC50 (Inhalation) of the mixture:	Not classified (no relevant component)
LD50 (Oral) of the mixture: LD50	> 2000 mg / kg
(Dermal) of the mixture:	Not classified (no relevant component)

SODIUM HYPOCHLORITE  
LD50 (Oral)  
LD50 (Dermal)

> 5000 mg / kg Rat  
> 10000 mg / kg Rabbit

**SKIN CORROSION / SKIN IRRITATION**

Corrosive to the skin

**029001 - RISANA SPRAY****SECTION 11. Toxicological information... / >>**SERIOUS EYE DAMAGE / EYE IRRITATION

Causes serious eye damage

RESPIRATORY OR SKIN SENSITIZATION

It does not meet the classification criteria for this hazard class

Respiratory sensitization

Inhalation of the vapors may cause moderate irritation of the upper respiratory tract.

MUTAGENICITY ON GERMINAL CELLS

It does not meet the classification criteria for this hazard class

CARCINOGENICITY

It does not meet the classification criteria for this hazard class

REPRODUCTION TOXICITY

It does not meet the classification criteria for this hazard class

SPECIFIC TARGET ORGAN TOXICITY (STOT) - SINGLE EXPOSURE

It does not meet the classification criteria for this hazard class

SPECIFIC TARGET ORGAN TOXICITY (STOT) - REPEATED EXPOSURE

It does not meet the classification criteria for this hazard class

DANGER IN CASE OF SUCTION

It does not meet the classification criteria for this hazard class

**SECTION 12. Ecological information**

The product is to be considered as dangerous for the environment and has a high toxicity for aquatic organisms.

**12.1. Toxicity**

## SODIUM HYPOCHLORITE

LC50 - Pisces

0.059 mg / l / 96h Oncorhynchus mykiss

EC50 - Crustaceans

0.04 mg / l / 48h Daphnia magna 46 mg / l /

EC50 - Algae / Aquatic Plants

72h Gracilaria tenuistipitata

**12.2. Persistence and degradability**

Information not available

**12.3. Bioaccumulation potential**

Information not available

**12.4. Mobility in soil**

Information not available

**12.5. Results of PBT and vPvB assessment**

On the basis of available data, the product does not contain PBT or vPvB substances in percentage greater than 0.1%.

**12.6. Other adverse effects**

Information not available

**029001 - RISANA SPRAY****SECTION 13. Disposal considerations****13.1. Waste treatment methods**

Reuse if possible. Product residues are to be considered special hazardous waste. The dangerousness of the waste that partially contains this product must be assessed on the basis of the laws in force.

Disposal must be entrusted to an authorized waste management company, in compliance with national and possibly local regulations.

The transport of waste may be subject to ADR.

CONTAMINATED PACKAGING

Contaminated packaging must be sent for recovery or disposal in compliance with national waste management regulations.

**SECTION 14. Transport information****14.1. UN number**

ADR / RID, IMDG, IATA: 1791

**14.2. UN proper shipping name**

ADR / RID: HYPOCHLORITE SOLUTION

IMDG: HYPOCHLORITE SOLUTION

IATA: HYPOCHLORITE SOLUTION

**14.3. Transport hazard classes**

ADR / RID: Class: 8 Label: 8



IMDG: Class: 8 Label: 8



IATA: Class: 8 Label: 8

**14.4. Packing group**

ADR / RID, IMDG, IATA: II

**14.5. Dangers for the environment**

ADR / RID: Dangerous for the environment



IMDG: Marine Pollutant



IATA: NO

For air transport, the environmental hazard mark is mandatory only for UN Nos. 3077 and 3082.

**14.6. Special precautions for users**

ADR / RID: HIN - Kemler: 80 Special provision: - EMS: FA, SB

Limited Quantity: 1 L

Tunnel restriction code: (E)

IMDG:

Limited quantities: 1 L

IATA:

Cargo:

Maximum quantity: 30 L

Pass .:

Maximum quantity: 1 L

Special instructions:

A3, A803

Packing instructions: 855

Packing instructions: 851

**14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code**

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Not relevant information

**SECTION 15. Regulatory information****15.1. Health, safety and environmental legislation and regulations specific to the substance or mixture**

Seveso Category - Directive 2012/18 / EC: E1

Restrictions relating to the product or the substances contained according to Annex XVII Regulation (EC) 1907/2006

Product  
Point 3

Substances in Candidate List (Art. 59 REACH)

On the basis of available data, the product does not contain SVHC substances in percentage greater than 0.1%.

Substances subject to authorization (Annex XIV REACH)

None

Substances subject to export notification obligation Reg. (EC) 649/2012:

None

Substances subject to the Rotterdam Convention:

None

Substances subject to the Stockholm Convention:

None

Sanitary checks

Workers exposed to this chemical agent dangerous to health must be subjected to health surveillance carried out in accordance with the provisions of art. 41 of Legislative Decree 81 of 9 April 2008 unless the risk to the safety and health of the worker has been assessed as irrelevant, in accordance with the provisions of art. 224 paragraph 2.

**15.2. Chemical safety assessment**

A chemical safety assessment has not been developed for the mixture and the substances it contains.

**SECTION 16. Other information**

Text of hazard (H) indications mentioned in sections 2-3 of the sheet:

<b>Met. Corr. 1</b>	Substance or mixture corrosive to metals, category 1
<b>Acute Tox. 4</b>	Acute toxicity, category 4
<b>Skin Corr. 1B</b>	Skin corrosion, category 1B Skin
<b>Skin Corr. 1</b>	corrosion, category 1 Serious eye
<b>Eye Dam. 1</b>	damage, category 1
<b>STOT SE 3</b>	Specific target organ toxicity - single exposure, category 3 Hazardous to
<b>Aquatic Acute 1</b>	the aquatic environment, acute toxicity, category 1 Hazardous to the
<b>Aquatic Chronic 2</b>	aquatic environment, chronic toxicity, category 2
<b>H290</b>	It can be corrosive to metals.
<b>H302</b>	Harmful if swallowed.
<b>H314</b>	It causes serious skin burns and serious eye injuries.
<b>H318</b>	Causes serious eye damage.
<b>H335</b>	It can irritate the respiratory tract.
<b>H400</b>	Very toxic to aquatic organisms.
<b>H411</b>	Toxic to aquatic life with long lasting effects. Contact with
<b>EUH031</b>	acids liberates toxic gas.
<b>EUH206</b>	Attention! Do not use in combination with other products. Hazardous gases (chlorine) can be formed.

**LEGEND:**

- ADR: European agreement for the transport of dangerous goods by road
- CAS NUMBER: Number of the Chemical Abstract Service
- EC50: Concentration that gives effect to 50% of the population subject to testing
- CE NUMBER: Identification number in ESIS (European archive of existing substances)
- CLP: EC Regulation 1272/2008
- DNEL: Derived no effect level
- EmS: Emergency Schedule
- GHS: Globally Harmonized System for Classification and Labeling of Chemicals



**029001 - RISANA SPRAY****SECTION 16. Other information... / >>**

- IATA DGR: Regulations for the transport of dangerous goods of the International Air Transport Association
- IC50: Concentration of immobilization of 50% of the population subject to testing
- IMDG: International maritime code for the transport of dangerous goods
- IMO: International Maritime Organization
- INDEX NUMBER: Identification number in Annex VI of the CLP
- LC50: Lethal Concentration 50%
- LD50: Lethal Dose 50%
- OEL: Occupational exposure level
- PBT: Persistent, bioaccumulating and toxic according to REACH
- PEC: Predicted environmental concentration
- PEL: Predictable level of exposure
- PNEC: Predicted No Effect Concentration
- REACH: EC Regulation 1907/2006
- RID: Regulations for the international transport of dangerous goods by train
- TLV: Threshold Limit Value
- TLV CEILING: Concentration which must not be exceeded during any moment of occupational exposure.
- TWA STEL: Short term exposure limit
- TWA: Weighted average exposure limit
- VOC: Volatile organic compound
- vPvB: Very persistent and very bioaccumulating according to REACH
- WGK: Water hazard class (Germany).

**GENERAL BIBLIOGRAPHY:**

1. Regulation (EU) 1907/2006 of the European Parliament (REACH)
  2. Regulation (EC) 1272/2008 of the European Parliament (CLP)
  3. Regulation (EU) 790/2009 of the European Parliament (I Atp. CLP)
  4. Regulation (EU) 2015/830 of the European Parliament
  5. Regulation (EU) 286/2011 of the European Parliament (II Atp. CLP)
  6. Regulation (EU) 618/2012 of the European Parliament (III Atp. CLP)
  7. Regulation (EU) 487/2013 of the European Parliament (IV Atp. CLP)
  8. Regulation (EU) 944/2013 of the European Parliament (V Atp. CLP)
  9. Regulation (EU) 605/2014 of the European Parliament (VI Atp. CLP)
  10. Regulation (EU) 2015/1221 of the European Parliament (VII Atp. CLP)
  11. Regulation (EU) 2016/918 of the European Parliament (VIII Atp. CLP)
- The Merck Index. - 10th Edition
  - Handling Chemical Safety
  - INRS - Fiche Toxicologique (toxicological sheet)
  - Patty - Industrial Hygiene and Toxicology
  - NI Sax - Dangerous properties of Industrial Materials-7, 1989 Edition
  - IFA GESTIS website
  - ECHA Agency website
  - Database of SDS models of chemical substances - Ministry of Health and National Institute of Health

**Note for the user:**

The information contained in this sheet is based on the knowledge available to us at the date of the latest version. The user must ensure the suitability and completeness of the information in relation to the specific use of the product.

This document should not be construed as a guarantee of any specific property of the product.

Since the use of the product does not fall under our direct control, the user is obliged to observe the laws and regulations in force on hygiene and safety under his own responsibility. No responsibility is assumed for improper use.

Provide adequate training to personnel assigned to the use of chemical products.

**029001 - RISANA SPRAY****SECTION 16. Other information... / >>**

Changes compared to the previous revision The following sections have been changed:  
01/02/03/04/08/09/11/12/14/15/16.