# Safety Data Sheet

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

### 1.1. Product identifier

Code: **129001**
Name **CASATI RISANA**

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

Description / Use **Restoring and sanitizing product for walls.**

### 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 **tintotec@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:

| | | |
|---|---|---|
| Eye irritation, category 2 Skin irritation, category 2 | H319 | Causes serious eye irritation. |
| Skin sensitization, category 1A Hazardous to the | H315 | Causes skin irritation. |
| aquatic environment, chronic toxicity, category 2 | H317 | May cause an allergic skin reaction. Toxic to aquatic |
| | H411 | life with long lasting effects. |

### 2.2. Label elements.

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

Hazard pictograms:

Warnings: Caution

Hazard statements:

| | |
|---|---|
| **H319** | Causes serious eye irritation. |
| **H315** | Causes skin irritation. |
| **H317** | May cause an allergic skin reaction. |
| **H411** | Toxic to aquatic life with long lasting effects. Contains: |
| **EUH208** | 1,2-Benzoisothiazol-3 (2H) -one |
| | It can cause an allergic reaction. |

**SECTION 2. Hazards identification....** / >>

Precautionary advice:

| | |
|---|---|
| **P101** | If you need to consult a doctor, have the container or the label of the product available. Keep out of |
| **P102** | reach of children. |
| **P273** | Do not disperse in the environment. |
| **P280** | Wear protective gloves and protect eyes / face. |
| **P333 + P313** | If skin irritation or rash occurs: seek medical attention. |
| **P501** | Dispose of the product / container in collection points for hazardous or special waste. |

**Contains:** 2-octyl-2H-isothiazol-3-one

**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).** |
|---|---|---|---|
| **alkyldimethylbenzyl ammonium chloride** | | | |
| *CAS.* | *68424-85-1* | 1 - 2.5 | Met. Corr. 1 H290, Acute Tox. 4 H302, Skin Corr. 1B H314, Aquatic Acute 1 H400 M = 10, Aquatic Chronic 1 H410 M = 10 |
| *THERE IS.* | *270-325-2* | | |
| *INDEX.* | | | |
| **2-octyl-2H-isothiazol-3-one** | | | |
| *CAS.* | *26530-20-1* | 0.25 - 0.3 | Acute Tox. 2 H330, Acute Tox. 3 H311, Acute Tox. 4 H302, Skin Corr. 1B H314, Skin Sens. 1A H317, Aquatic Acute 1 H400 M = 10, Aquatic Chronic 1 H410 |
| *THERE IS.* | *247-761-7* | | |
| *INDEX.* | *613-112-00-5* | | |
| **1,2-Benzoisothiazol-3 (2H) -one** | | | |
| *CAS.* | *2634-33-5* | 0 - 0.01 | Acute Tox. 4 H302, Eye Dam. 1 H318, Skin Irrit. 2 H315, Skin Sens. 1 H317, Aquatic Acute 1 H400 M = 1, Aquatic Chronic 2 H411 |
| *THERE IS.* | *220-120-9* | | |
| *INDEX.* | *613-088-00-6* | | |

Note: Upper value of the range excluded.
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 chap. 11.

**4.3. Indication of any immediate medical attention and special treatment needed.** Information not available.

## SECTION 5. Firefighting measures.

**5.1. Fire fighting.** SUITABLE
EXTINGUISHING MEDIA
The extinguishing media are the traditional ones: carbon dioxide, foam, powder and nebulized water.
UNSUITABLE EXTINGUISHING MEDIA

**SECTION 5. Firefighting measures....** / >>

No one in particular.

**5.2. Special hazards arising from the substance or mixture.**
HAZARDS CAUSED BY EXPOSURE IN THE EVENT OF FIRE Avoid breathing combustion products.

**5.3. Recommendations for firefighters.** GENERAL INFORMATIONS

Cool the containers with jets of water to avoid product decomposition and the development of substances potentially hazardous to health. Always wear full fire protection equipment. Collect the extinguishing water which must not be discharged into the sewers. Dispose of the contaminated water used for extinguishing and the residue of the fire according to current regulations.

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. 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. Check for any incompatibilities for the container material in section 7. 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.**
Handle the product after consulting all the other sections of this safety data sheet. Avoid the dispersion of the product in the environment. Do not eat, drink or smoke during use. Remove contaminated clothing and protective equipment before entering eating areas.

**7.2. Conditions for safe storage, including any incompatibilities.**
Keep only in the original container. Keep the containers closed, in a well-ventilated place, away from direct sunlight. Keep containers away from any incompatible materials, checking section 10.

**7.3. Specific end uses.**
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. Personal protective equipment must bear the CE mark which certifies their compliance with current regulations.
Provide an emergency shower with face and eye basin.
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.

## SECTION 8. Exposure controls / personal protection. . . . / >>

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 II 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 (e.g. TLV-TWA) of the substance or of one or more of the substances present in the product, it is advisable to wear a mask with a type A 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.
Product residues must not be discharged without control into waste water or water courses.

## SECTION 9. Physical and chemical properties.

**9.1. Information on basic physical and chemical properties.**

| | | | |
|---|---|---|---|
| Physical state | liquid | | |
| Color | transparent | | |
| Odor | characteristic | | |
| Odor threshold. | Unavailable. | | |
| pH. | Unavailable. | | |
| 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 + -0.05 | Kg / l | |
| Solubility | Miscible with water | | |
| Partition coefficient: n-octanol / water: Auto- | Unavailable. | | |
| ignition temperature. | Unavailable. | | |
| Decomposition temperature. | Unavailable. | | |
| Viscosity | Unavailable. | | |
| Explosive properties | Unavailable. | | |
| Oxidizing properties | Unavailable. | | |

**9.2. Other information.** VOC

| | | | |
|---|---|---|---|
| (Directive 2010/75 / EC): VOC | 10.17% | - 101.68 | g / liter. |
| (volatile carbon): | 4.81% | - 48.11 | g / liter. |

## SECTION 10. Stability and reactivity.

**10.1. Reactivity.**
There are no particular risks of reaction with other substances in normal conditions of use.

**10.2. Chemical stability.**
The product is stable under normal conditions of use and storage.

**10.3. Possibility of hazardous reactions.**
In normal conditions of use and storage no dangerous reactions are foreseeable.

**SECTION 10. Stability and reactivity....** / >>

**10.4. Conditions to avoid.**
None in particular. However, follow the usual precautions towards chemicals.

**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.**
In the absence of experimental toxicological data on the product itself, any health hazards of the product have been assessed on the basis of the properties of the substances contained, according to the criteria established by the reference legislation for classification. Therefore, consider the concentration of the individual dangerous substances possibly mentioned in sect. 3, to evaluate the toxicological effects deriving from exposure to the product.

Acute effects: contact with eyes causes irritation; symptoms may include: redness, edema, pain and tearing. Ingestion can cause health disturbances, including abdominal pain with burning, nausea and vomiting.
Acute effects: contact with the skin causes irritation with erythema, edema, dryness and cracking. Ingestion can cause health disturbances, including abdominal pain with burning, nausea and vomiting.
Contact of the product with the skin causes sensitization (contact dermatitis). Dermatitis arises as a result of skin inflammation, which begins in the skin areas that come into repeated contact with the sensitizing agent. Skin lesions can include erythema, edema, papules, vesicles, pustules, scales, fissures and exudative phenomena, which vary according to the stages of the disease and the affected areas. In the acute phase, erythema, edema and exudation prevail. In the chronic stages, scales, dryness, fissuring and thickening of the skin prevail.

The product contains sensitizing substance (s) and therefore may cause an allergic reaction.

| | |
|---|---|
| alkyldimethylbenzyl ammonium chloride LD50 (Oral). | > 398 mg / kg |
| LD50 (Dermal). | > 800 mg / kg |

## SECTION 12. Ecological information.

The product is to be considered as dangerous for the environment and has toxicity to aquatic organisms with long-term negative effects for the aquatic environment.

**12.1. Toxicity.**

| | |
|---|---|
| alkyldimethylbenzyl ammonium chloride LC50 - Fish. | 0.28 mg / l / 96h |
| EC50 - Crustaceans. | 0.016 mg / l / 48h |
| EC50 - Algae / Aquatic Plants. EC10 | 0.03 mg / l / 72h |
| Algae / Aquatic Plants. Chronic | 0.009 mg / l / 72h |
| NOEC for Pisces. | 0.28 mg / l / 96h |
| Chronic NOEC Crustaceans. | 0.025 mg / l |
| 1,2-Benzoisothiazol-3 (2H) -one | |
| LC50 - Fish. | 1.3 mg / l / 96h |
| EC50 - Crustaceans. | 1.5 mg / l / 48h |
| Chronic NOEC for Pisces. | 0.21 mg / l |
| Chronic NOEC Crustaceans. | 1.2 mg / l |
| 2-octyl-2H-isothiazol-3-one | |
| LC50 - Fish. | 0.047 mg / l / 96h |
| EC50 - Crustaceans. | 0.32 mg / l / 48h |
| Chronic NOEC Crustaceans. | 0.058 mg / l |

**12.2. Persistence and degradability.**

2-octyl-2H-isothiazol-3-one
Rapidly biodegradable.

**12.3. Bioaccumulation potential.**
Information not available.

**SECTION 12. Ecological information....** / >>

**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.

## 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: 3082

**14.2. UN proper shipping name.**

ADR / RID: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, NOS (alkyldimethylbenzyl ammonium chloride)
IMDG: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, NOS (alkyldimethylbenzyl ammonium chloride)
IATA: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID ethyl chloride,

**14.3. Transport hazard classes.**

ADR / RID: Class: 9 Label: 9


IMDG: Class: 9 Label: 9


IATA: Class: 9 Label: 9


**14.4. Packing group.**

ADR / RID, IMDG, IATA: III

## SECTION 14. Transport information.... / >>

**14.5. Dangers for the environment.**

ADR / RID: Dangerous for the environment.

IMDG: Marine Pollutant.

IATA: Dangerous for the environment.

**14.6. Special precautions for users.**

| | | | |
|---|---|---|---|
| ADR / RID: | HIN - Kemler: 90 Special provision: - EMS: FA, SF | Limited Quantity: 5 L | Tunnel restriction code: (E) |
| IMDG: | | Limited quantities: 5 L | |
| IATA: | Cargo: | Maximum quantity: 450 L | Packing instructions: 964 |
| | Pass .: | Maximum quantity: 450 L | Packing instructions: 964 |
| | Special instructions: | A97, A158, A197 | |

**14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC code.**

Not relevant information.

## SECTION 15. Regulatory information.

**15.1. Standards and legislation on health, safety and environment specific for the substance or mixture.**

Seveso category. 9ii

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

Product.

Point. 3

Substances in the Candidate List (Art. 59 REACH).

None.

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:

| | |
|---|---|
| **Met. Corr. 1** | Substance or mixture corrosive to metals, category 1 |
| **Acute Tox. 2** | Acute toxicity, category 2 |
| **Acute Tox. 3** | Acute toxicity, category 3 |

**SECTION 16. Other information....** / >>

| | |
|---|---|
| **Acute Tox. 4** | Acute toxicity, category 4 Skin corrosion, |
| **Skin Corr. 1B** | category 1B Serious eye damage, |
| **Eye Dam. 1** | category 1 Eye irritation, category 2 Skin |
| **Eye Irrit. 2** | irritation, category 2 Skin sensitization, |
| **Skin Irrit. 2** | category 1 Skin sensitization, category |
| **Skin Sens. 1** | 1A |
| **Skin Sens. 1A** | |
| **Aquatic Acute 1** | Hazardous to the aquatic environment, acute toxicity, category 1 |
| **Aquatic Chronic 1** | Hazardous to the aquatic environment, chronic toxicity, category 1 |
| **Aquatic Chronic 2** | Hazardous to the aquatic environment, chronic toxicity, category 2 |
| **H290** | May be corrosive to metals. |
| **H330** | Fatal if inhaled. |
| **H311** | Toxic in contact with the skin. |
| **H302** | Harmful if swallowed. |
| **H314** | It causes serious skin burns and serious eye injuries. |
| **H318** | Causes serious eye damage. |
| **H319** | Causes serious eye irritation. |
| **H315** | Causes skin irritation. |
| **H317** | May cause an allergic skin reaction. Very toxic |
| **H400** | to aquatic organisms. |
| **H410** | Very toxic to aquatic life with long lasting effects. Toxic to aquatic |
| **H411** | life with long lasting effects. |

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
- 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 (EU) 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)

**SECTION 16. Other information....** / >>

- 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
- ECHA Agency website

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.

Changes from the previous revision. Changes have
been made to the following sections:
02/03/08/11/12/14/16.