



## Safety Data Sheet

According to Annex II to REACH - Regulation 2020/878 and to Annex II to UK REACH

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

#### 1.1. Product identifier

Code: SERIE461  
Product name: INCHIOSTRO/VERNICE HYDRO AL PU

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

| Identified Uses | Industrial   | Professional | Consumer |
|-----------------|--|--------------|----------|
| Printing ink    | ERC: 11a, 2, 5, 8c.<br>PROC: 19, 2, 3, 5, 8a,<br>8b, 9.<br>PC: 18. | -            | -        |

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

Name: LA SORGENTE SPA  
Full address: VIA ERBOSA, 8  
District and Country: 52014 POPPI (AR)  
ITALIA  
Tel.: 0575/500050  
Fax: 0575/500090  
e-mail address of the competent person responsible for the Safety Data Sheet: info@lasorgenteinchiostri.com  
Supplier: +44 121 507 4123

#### 1.4. Emergency telephone number

For urgent inquiries refer to: Office Num. +39 0575 500050

### SECTION 2. Hazards identification

#### 2.1. Classification of the substance or mixture

The product is not classified as hazardous pursuant to the provisions set forth in EC Regulation 1272/2008 (CLP). However, since the product contains hazardous substances in concentrations such as to be declared in section no. 3, it requires a safety data sheet with appropriate information, compliant to (EU) Regulation 2020/878.

Hazard classification and indication: --

#### 2.2. Label elements

Hazard labelling pursuant to EC Regulation 1272/2008 (CLP) and subsequent amendments and supplements.

Hazard pictograms: --

Signal words: --

##### Hazard statements:

EUH210 Safety data sheet available on request.  
EUH208 Contains: MISCELA:5-CLORO-2-METIL-2H ISOTIAZO L-3-ONE;2-METIL-2H ISOTIAZOL-3-ONE  
1,2-BENZISOTIAZOL-3(2H)-ONE  
May produce an allergic reaction.

Precautionary statements: --

#### 2.3. Other hazards



# LA SORGENTE SPA

SERIE461 - INCHIOSTRO/VERNICE HYDRO AL PU

Revision nr.28  
Dated 07/12/2021  
Printed on 14/01/2022  
Page n. 2 / 13  
Replaced revision:27 (Dated 16/09/2021)

EN

## SECTION 2. Hazards identification ... / >>

On the basis of available data, the product does not contain any PBT or vPvB in percentage  $\geq$  than 0,1%.

The product does not contain substances with endocrine disrupting properties in concentration  $\geq$  0.1%.

## SECTION 3. Composition/information on ingredients

Dispersione di pigmenti organici e/o cariche inorganiche in soluzione acquosa di resine acriliche neutralizzate con ammoniaca e/o etanolamina.

### 3.2. Mixtures

Contains:

| Identification   | x = Conc. %         | Classification (EC) 1272/2008 (CLP)   |
|--|---------------------|---|
| AMMONIA<br>CAS 1336-21-6   | $0,05 \leq x < 0,1$ | Skin Corr. 1B H314, Eye Dam. 1 H318, STOT SE 3 H335, Aquatic Acute 1 H400 M=1, Classification note according to Annex VI to the CLP Regulation: B<br>STOT SE 3 H335: $\geq 5\%$   |
| EC 215-647-6<br>INDEX 007-001-01-2<br>REACH Reg. 01-2119488876-14-XXXX<br>ETANOLAMINA LIBERA<br>CAS 141-43-5   | $0,05 \leq x < 0,1$ | Acute Tox. 4 H302, Acute Tox. 4 H312, Acute Tox. 4 H332, Skin Corr. 1B H314, Eye Dam. 1 H318, STOT SE 3 H335<br>STOT SE 3 H335: $\geq 5\%$<br>STA Oral: 500 mg/kg, STA Dermal: 1100 mg/kg, STA Inhalation gas: 4500 ppm, STA Inhalation mists/powders: 1,5 mg/l, STA Inhalation vapours: 11 mg/l  |
| EC 205-483-3<br>INDEX 603-030-00-8<br>REACH Reg. 01-2119486455-28-XXXX<br>1,2-BENZISOTIAZOL-3(2H)-ONE<br>CAS 2634-33-5   | $0 \leq x < 0,05$   | Acute Tox. 4 H302, Eye Dam. 1 H318, Skin Irrit. 2 H315, Skin Sens. 1 H317, Aquatic Acute 1 H400 M=1<br>Skin Sens. 1 H317: $\geq 0,05\%$<br>LD50 Oral: $>1020$ mg/kg   |
| EC 220-120-9<br>INDEX 613-088-00-6<br>REACH Reg. 01-2120761540-60-XXXX<br>MISCELA:5-CLORO-2-METIL-2H ISOTIAZO L-3-ONE;2-METIL-2H ISOTIAZOL-3-ONE<br>CAS 55965-84-9 | $0 \leq x < 0,0015$ | Acute Tox. 2 H330, Acute Tox. 3 H301, Acute Tox. 3 H311, Skin Corr. 1B H314, Eye Dam. 1 H318, Eye Dam. 1 H318, Skin Sens. 1 H317, Aquatic Acute 1 H400 M=1, Aquatic Chronic 1 H410 M=1<br>Skin Corr. 1B H314: $\geq 0,6001\%$ , Skin Irrit. 2 H315: $\geq 0,06\%$ , Skin Sens. 1 H317: $\geq 0,0015\%$ , Eye Dam. 1 H318: $\geq 0,6001\%$ , Eye Irrit. 2 H319: $\geq 0,06\%$<br>LD50 Oral: $>53$ mg/kg, LD50 Dermal: $>660$ mg/kg, STA Inhalation vapours: 0,501 mg/l, LC50 Inhalation vapours: $>2,36$ mg/l/4h |
| EC 611-341-5<br>INDEX 613-167-00-5<br>REACH Reg. 01-2120764691-48-XXXX   |                     |   |

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

## SECTION 4. First aid measures

### 4.1. Description of first aid measures

EYES: Remove contact lenses, if present. Wash immediately with plenty of water for at least 30-60 minutes, opening the eyelids fully. Get medical advice/attention.

SKIN: Remove contaminated clothing. Rinse skin with a shower immediately. Get medical advice/attention.

INGESTION: Have the subject drink as much water as possible. Get medical advice/attention. Do not induce vomiting unless explicitly authorised by a doctor.

INHALATION: Get medical advice/attention immediately. Remove victim to fresh air, away from the accident scene. If the subject stops breathing, administer artificial respiration. Take suitable precautions for rescue workers.

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

Specific information on symptoms and effects caused by the product are unknown.

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

Information not available



## SECTION 5. Firefighting measures

Raffreddare i contenitori per evitare la decomposizione del prodotto o l'aumento di pressione all'interno del contenitore. Indossare sempre l'equipaggiamento completo di protezione antincendio. Il prodotto, per la sua natura di composto all'acqua, è da considerarsi non infiammabile. Si tenga conto comunque che, in caso di incendio, ad avvenuta evaporazione dell'acqua presente, i polimeri contenuti sono combustibili. In tal caso, estinguere con acqua nebulizzata, o estinguenti a secco, o schiume chimiche.

### 5.1. Extinguishing media

#### SUITABLE EXTINGUISHING EQUIPMENT

The extinguishing equipment should be of the conventional kind: carbon dioxide, foam, powder and water spray.

#### UNSUITABLE EXTINGUISHING EQUIPMENT

None in particular.

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

#### HAZARDS CAUSED BY EXPOSURE IN THE EVENT OF FIRE

Do not breathe combustion products.

### 5.3. Advice for firefighters

#### GENERAL INFORMATION

Use jets of water to cool the containers to prevent product decomposition and the development of substances potentially hazardous for health. Always wear full fire prevention gear. Collect extinguishing water to prevent it from draining into the sewer system. Dispose of contaminated water used for extinction and the remains of the fire according to applicable regulations.

#### SPECIAL PROTECTIVE EQUIPMENT FOR FIRE-FIGHTERS

Normal fire fighting clothing i.e. fire kit (BS EN 469), gloves (BS EN 659) and boots (HO specification A29 and A30) in combination with self-contained open circuit positive pressure compressed air breathing apparatus (BS EN 137).

## SECTION 6. Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

Block the leakage if there is no hazard.

Wear suitable protective equipment (including personal protective equipment referred to under Section 8 of the safety data sheet) to prevent any contamination of skin, eyes and personal clothing. These indications apply for both processing staff and those involved in emergency procedures.

### 6.2. Environmental precautions

The product must not penetrate into the sewer system or come into contact with surface water or ground water.

### 6.3. Methods and material for containment and cleaning up

Collect the leaked product into a suitable container. Evaluate the compatibility of the container to be used, by checking section 10. Absorb the remainder with inert absorbent material.

Make sure the leakage site is well aired. Contaminated material should be disposed of in compliance with the provisions set forth in point 13.

### 6.4. Reference to other sections

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

## SECTION 7. Handling and storage

### 7.1. Precautions for safe handling

Before handling the product, consult all the other sections of this material safety data sheet. Avoid leakage of the product into the environment. Do not eat, drink or smoke during use. Remove any contaminated clothes and personal protective equipment before entering places in which people eat.

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

Store only in the original container. Store the containers sealed, in a well ventilated place, away from direct sunlight. Keep containers away from any incompatible materials, see section 10 for details.



# LA SORGENTE SPA

SERIE461 - INCHIOSTRO/VERNICE HYDRO AL PU

Revision nr.28  
Dated 07/12/2021  
Printed on 14/01/2022  
Page n. 4 / 13  
Replaced revision:27 (Dated 16/09/2021)

EN

## SECTION 7. Handling and storage ... / >>

### 7.3. Specific end use(s)

Information not available

## SECTION 8. Exposure controls/personal protection

### 8.1. Control parameters

#### Regulatory References:

|     |                 |  |
|-----|-----------------|--|
| BGR | България        | НАРЕДБА № 13 ОТ 30 ДЕКЕМВРИ 2003 Г. ЗА ЗАЩИТА НА РАБОТЕЩИТЕ ОТ РИСКОВЕ, СВЪРЗАНИ С ЕКСПОЗИЦИЯ НА ХИМИЧНИ АГЕНТИ ПРИ РАБОТА (изм. ДВ. бр.5 от 17 Януари 2020г.)   |
| CZE | Česká Republika | Nařízení vlády č. 41/2020 Sb. Nařízení vlády, kterým se mění nařízení vlády č. 361/2007 Sb., kterým se stanoví podmínky ochrany zdraví při práci, ve znění pozdějších předpisů   |
| DEU | Deutschland     | Technischen Regeln für Gefahrstoffe (TRGS 900) - Liste der Arbeitsplatzgrenzwerte und Kurzzeitwerte. MAK- und BAT-Werte-Liste 2020, Ständige Senatskommission zur Prüfung gesundheitsschädlicher Arbeitsstoffe, Mitteilung 56  |
| ESP | España          | Límites de exposición profesional para agentes químicos en España 2021   |
| FRA | France          | Valeurs limites d'exposition professionnelle aux agents chimiques en France. ED 984 - INRS   |
| GRC | Ελλάδα          | Π.Δ. 26/2020 (ΦΕΚ 50/Α' 6.3.2020) Εναρμόνιση της ελληνικής νομοθεσίας προς τις διατάξεις των οδηγιών 2017/2398/ΕΕ, 2019/130/ΕΕ και 2019/983/ΕΕ «για την τροποποίηση της οδηγίας 2004/37/ΕΚ "σχετικά με την προστασία των εργαζομένων από τους κινδύνους που συνδέονται με την έκθεση σε καρκινογόνους ή μεταλλαξιογόνους παράγοντες κατά την εργασία"» |
| HRV | Hrvatska        | Pravilnik o izmjenama i dopunama Pravilnika o zaštiti radnika od izloženosti opasnim kemikalijama na radu, graničnim vrijednostima izloženosti i biološkim graničnim vrijednostima (NN 1/2021)   |
| NLD | Nederland       | Arbeidsomstandighedenregeling. Lijst van wettelijke grenswaarden op grond van de artikelen 4.3, eerste lid, en 4.16, eerste lid, van het Arbeidsomstandighedenbesluit  |
| POL | Polska          | Rozporządzenie ministra rozwoju, pracy i technologii z dnia 18 lutego 2021 r. Zmieniające rozporządzenie w sprawie najwyższych dopuszczalnych stężeń i natężeń czynników szkodliwych dla zdrowia w środowisku pracy  |
| SWE | Sverige         | Hygieniska gränsvärden, Arbetsmiljöverkets föreskrifter och allmänna råd om hygieniska gränsvärden (AFS 2018:1)  |
| SVN | Slovenija       | Pravilnik o varovanju delavcev pred tveganji zaradi izpostavljenosti kemičnim snovem pri delu (Uradni list RS, št. 100/01, 39/05, 53/07, 102/10, 43/11 – ZVZD-1, 38/15, 78/18 in 78/19)  |
| GBR | United Kingdom  | EH40/2005 Workplace exposure limits (Fourth Edition 2020)  |
| EU  | OEL EU          | Directive (EU) 2019/1831; Directive (EU) 2019/130; Directive (EU) 2019/983; Directive (EU) 2017/2398; Directive (EU) 2017/164; Directive 2009/161/EU; Directive 2006/15/EC; Directive 2004/37/EC; Directive 2000/39/EC; Directive 98/24/EC; Directive 91/322/EEC.  |
|     | TLV-ACGIH       | ACGIH 2021   |



# LA SORGENTE SPA

SERIE461 - INCHIOSTRO/VERNICE HYDRO AL PU

Revision nr.28  
Dated 07/12/2021  
Printed on 14/01/2022  
Page n. 5 / 13  
Replaced revision:27 (Dated 16/09/2021)

EN

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

### ETANOLAMINA LIBERA

| Threshold Limit Value |         |        |     |            |     |                        |
|-----------------------|---------|--------|-----|------------|-----|------------------------|
| Type                  | Country | TWA/8h |     | STEL/15min |     | Remarks / Observations |
|                       |         | mg/m3  | ppm | mg/m3      | ppm |                        |
| TLV                   | BGR     | 8      |     | 15         |     |                        |
| TLV                   | CZE     | 2,5    |     | 7,5        |     | SKIN                   |
| AGW                   | DEU     | 5,1    | 2   | 10,2       | 4   | SKIN                   |
| MAK                   | DEU     | 5,1    | 2   | 10,2       | 4   |                        |
| VLA                   | ESP     | 2,5    | 1   | 7,5        | 3   | SKIN                   |
| VLEP                  | FRA     | 2,5    | 1   | 7,6        | 3   | SKIN                   |
| TLV                   | GRC     | 2,5    | 1   | 7,6        | 3   |                        |
| GVI/KGVI              | HRV     | 2,5    | 1   | 7,6        | 3   | SKIN                   |
| TGG                   | NLD     | 2,5    |     | 7,6        |     | SKIN                   |
| NDS/NDSch             | POL     | 2,5    |     | 7,5        |     |                        |
| NGV/KGV               | SWE     | 8      | 3   | 15         | 6   | SKIN                   |
| MV                    | SVN     | 2,5    | 1   |            |     | SKIN                   |
| WEL                   | GBR     | 2,5    | 1   | 7,6        | 3   | SKIN                   |
| OEL                   | EU      | 2,5    | 1   | 7,6        | 3   | SKIN                   |
| TLV-ACGIH             |         | 7,5    | 3   | 15         | 6   |                        |

#### Predicted no-effect concentration - PNEC

|   |        |       |
|---|--------|-------|
| Normal value in fresh water                           | 0,085  | mg/kg |
| Normal value in marine water                          | 0,0085 | mg/kg |
| Normal value for fresh water sediment                 | 0,425  | mg/kg |
| Normal value for marine water sediment                | 0,0425 | mg/kg |
| Normal value for water, intermittent release          | 0,025  | mg/kg |
| Normal value of STP microorganisms                    | 100    | mg/kg |
| Normal value for the food chain (secondary poisoning) | VND    |       |
| Normal value for the terrestrial compartment          | 35     | mg/kg |
| Normal value for the atmosphere                       | VND    |       |

#### Health - Derived no-effect level - DNEL / DMEL

| Route of exposure | Effects on consumers |          |         |            | Effects on workers |          |           |          |
|-------------------|----------------------|----------|---------|------------|--------------------|----------|-----------|----------|
|                   | Acute                | Acute    | Chronic | Chronic    | Acute              | Acute    | Chronic   | Chronic  |
|                   | local                | systemic | local   | systemic   | local              | systemic | local     | systemic |
| Oral              | VND                  | VND      | VND     | 3,75 mg/kg | VND                | VND      | VND       | VND      |
| Inhalation        | VND                  | VND      | 2 mg/m3 | VND        | VND                | VND      | 3,3 mg/m3 | VND      |
| Skin              | VND                  | VND      | VND     | 0,24 mg/kg | VND                | VND      | VND       | 1 mg/kg  |

### AMMONIA

| Threshold Limit Value |         |        |     |            |     | Remarks / Observations |
|-----------------------|---------|--------|-----|------------|-----|------------------------|
| Type                  | Country | TWA/8h |     | STEL/15min |     |                        |
|                       |         | mg/m3  | ppm | mg/m3      | ppm |                        |
| OEL                   | EU      | 14     | 20  | 36         | 50  |                        |

#### Predicted no-effect concentration - PNEC

|   |        |       |
|---|--------|-------|
| Normal value in fresh water                           | 0,0011 | mg/kg |
| Normal value in marine water                          | 0,011  | mg/kg |
| Normal value for fresh water sediment                 | VND    |       |
| Normal value for marine water sediment                | VND    |       |
| Normal value for water, intermittent release          | VND    |       |
| Normal value of STP microorganisms                    | VND    |       |
| Normal value for the food chain (secondary poisoning) | VND    |       |
| Normal value for the terrestrial compartment          | VND    |       |
| Normal value for the atmosphere                       | VND    |       |

#### Health - Derived no-effect level - DNEL / DMEL

| Route of exposure | Effects on consumers |          |         |          | Effects on workers |           |          |            |
|-------------------|----------------------|----------|---------|----------|--------------------|-----------|----------|------------|
|                   | Acute                | Acute    | Chronic | Chronic  | Acute              | Acute     | Chronic  | Chronic    |
|                   | local                | systemic | local   | systemic | local              | systemic  | local    | systemic   |
| Oral              | VND                  | VND      | VND     | VND      | VND                | 6,8 mg/kg | VND      | VND        |
| Inhalation        | VND                  | VND      | VND     | VND      | 36 mg/m3           | 476 mg/m3 | 14 mg/m3 | 47,6 mg/m3 |
| Skin              | VND                  | VND      | VND     | VND      | VND                | 6,8 mg/kg | VND      | 6,8 mg/kg  |

#### Legend:

(C) = CEILING ; INHAL = Inhalable Fraction ; RESP = Respirable Fraction ; THORA = Thoracic Fraction.

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

VND = hazard identified but no DNEL/PNEC available ; NEA = no exposure expected ; NPI = no hazard identified.

**8.2. Exposure controls**

As the use of adequate technical equipment must always take priority over personal protective equipment, make sure that the workplace is well aired through effective local aspiration.

When choosing personal protective equipment, ask your chemical substance supplier for advice.

Personal protective equipment must be CE marked, showing that it complies with applicable standards.

**HAND PROTECTION**

Protect hands with category III work gloves (see standard EN 374).

The following should be considered when choosing work glove material: compatibility, degradation, failure time and permeability.

The work gloves' resistance to chemical agents should be checked before use, as it can be unpredictable. The gloves' wear time depends on the duration and type of use.

**SKIN PROTECTION**

Wear category I professional long-sleeved overalls and safety footwear (see Regulation 2016/425 and standard EN ISO 20344). Wash body with soap and water after removing protective clothing.

**EYE PROTECTION**

Wear airtight protective goggles (see standard EN 166).

**RESPIRATORY PROTECTION**

If the threshold value (e.g. TLV-TWA) is exceeded for the substance or one of the substances present in the product, use a mask with a type A filter whose class (1, 2 or 3) must be chosen according to the limit of use concentration. (see standard EN 14387). In the presence of gases or vapours of various kinds and/or gases or vapours containing particulate (aerosol sprays, fumes, mists, etc.) combined filters are required.

Respiratory protection devices must be used if the technical measures adopted are not suitable for restricting the worker's exposure to the threshold values considered. The protection provided by masks is in any case limited.

If the substance considered is odourless or its olfactory threshold is higher than the corresponding TLV-TWA and in the case of an emergency, wear open-circuit compressed air breathing apparatus (in compliance with standard EN 137) or external air-intake breathing apparatus (in compliance with standard EN 138). For a correct choice of respiratory protection device, see standard EN 529.

**ENVIRONMENTAL EXPOSURE CONTROLS**

The emissions generated by manufacturing processes, including those generated by ventilation equipment, should be checked to ensure compliance with environmental standards.

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

| Properties                             | Value             | Information |
|--|-------------------|-------------|
| Appearance                             | liquid            |             |
| Colour                                 | various           |             |
| Odour                                  | mild              |             |
| Melting point / freezing point         | Not available     |             |
| Initial boiling point                  | > 90 °C           |             |
| Flammability                           | Not available     |             |
| Lower explosive limit                  | Not available     |             |
| Upper explosive limit                  | Not available     |             |
| Flash point                            | Not applicable    |             |
| Auto-ignition temperature              | Not available     |             |
| pH                                     | 8,5-9,2           |             |
| Kinematic viscosity                    | <600 centistokes  |             |
| Solubility                             | miscible in water |             |
| Partition coefficient: n-octanol/water | Not available     |             |
| Vapour pressure                        | Not available     |             |
| Density and/or relative density        | 1,0 - 1,1         |             |
| Relative vapour density                | Not available     |             |
| Particle characteristics               | Not applicable    |             |

**9.2. Other information****9.2.1. Information with regard to physical hazard classes**

Information not available

**9.2.2. Other safety characteristics**

|                            |        |
|----------------------------|--------|
| VOC (Directive 2010/75/EU) | 0,97 % |
| VOC (volatile carbon)      | 0,47 % |



## SECTION 10. Stability and reactivity

### 10.1. Reactivity

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

#### AMMONIA

Corrodes: aluminium, iron, zinc, copper, copper alloys.

### 10.2. Chemical stability

The product is stable in normal conditions of use and storage.

### 10.3. Possibility of hazardous reactions

No hazardous reactions are foreseeable in normal conditions of use and storage.

#### ETANOLAMINA LIBERA

ETHANOLAMINE: can react dangerously with: acrylonitrile, chloroepoxypropane, chlorosulphuric acid, hydrogen chloride, iron-sulphur compounds, acetic acid, acetic anhydride, mesityl oxide, nitric acid, sulphuric acid, strong mineral acids, vinyl acetate, cellulose nitrate.

#### AMMONIA

Risk of explosion on contact with: strong acids, iodine. May react dangerously with: strong bases.

### 10.4. Conditions to avoid

None in particular. However the usual precautions used for chemical products should be respected.

#### ETANOLAMINA LIBERA

ETHANOLAMINE: avoid exposure to air and sources of heat.

### 10.5. Incompatible materials

#### ETANOLAMINA LIBERA

ETHANOLAMINE: iron, strong acids and strong oxidising agents.

#### AMMONIA

Incompatible with: silver, silver salts, lead, lead salts, zinc, zinc salts, hydrochloric acid, nitric acid, oleum, halogens, acrolein, nitromethane, acrylic acid.

### 10.6. Hazardous decomposition products

#### ETANOLAMINA LIBERA

ETHANOLAMINE: nitrogen oxides, carbon oxides.

#### AMMONIA

May develop: nitric oxide.

## SECTION 11. Toxicological information

In the absence of experimental data for the product itself, health hazards are evaluated according to the properties of the substances it contains, using the criteria specified in the applicable regulation for classification.

It is therefore necessary to take into account the concentration of the individual hazardous substances indicated in section 3, to evaluate the toxicological effects of exposure to the product.

### 11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

#### Metabolism, toxicokinetics, mechanism of action and other information

Information not available

#### Information on likely routes of exposure

Information not available

#### Delayed and immediate effects as well as chronic effects from short and long-term exposure

Information not available

#### Interactive effects

Information not available



### SECTION 11. Toxicological information ... / >>

#### ACUTE TOXICITY

ATE (Inhalation) of the mixture: Not classified (no significant component)  
ATE (Oral) of the mixture: Not classified (no significant component)  
ATE (Dermal) of the mixture: Not classified (no significant component)

1,2-BENZISOTIAZOL-3(2H)-ONE  
LD50 (Oral): > 1020 mg/kg ratto

ETANOLAMINA LIBERA  
STA (Oral): 500 mg/kg estimate from table 3.1.2 of Annex I of the CLP  
(figure used for calculation of the acute toxicity estimate of the mixture)  
STA (Dermal): 1100 mg/kg estimate from table 3.1.2 of Annex I of the CLP  
(figure used for calculation of the acute toxicity estimate of the mixture)  
STA (Inhalation mists/powders): 1,5 mg/l estimate from table 3.1.2 of Annex I of the CLP  
(figure used for calculation of the acute toxicity estimate of the mixture)  
STA (Inhalation vapours): 11 mg/l estimate from table 3.1.2 of Annex I of the CLP  
(figure used for calculation of the acute toxicity estimate of the mixture)  
STA (Inhalation gas): 4500 ppm estimate from table 3.1.2 of Annex I of the CLP  
(figure used for calculation of the acute toxicity estimate of the mixture)

MISCELA:5-CLORO-2-METIL-2H ISOTIAZO L-3-ONE;2-METIL-2H ISOTIAZOL-3-ONE  
LD50 (Oral): > 53 mg/kg Ratto  
LD50 (Dermal): > 660 mg/kg Coniglio  
LC50 (Inhalation vapours): > 2,36 mg/l/4h Ratto

AMMONIA  
LD50 (Oral): 350 mg/kg Rat

#### SKIN CORROSION / IRRITATION

Does not meet the classification criteria for this hazard class

#### SERIOUS EYE DAMAGE / IRRITATION

Does not meet the classification criteria for this hazard class

#### RESPIRATORY OR SKIN SENSITISATION

May produce an allergic reaction.  
Contains:  
MISCELA:5-CLORO-2-METIL-2H ISOTIAZO L-3-ONE;2-METIL-2H ISOTIAZOL-3-ONE  
1,2-BENZISOTIAZOL-3(2H)-ONE

#### Respiratory sensitization

Information not available

#### Skin sensitization

Information not available

#### GERM CELL MUTAGENICITY

Does not meet the classification criteria for this hazard class

#### CARCINOGENICITY

Does not meet the classification criteria for this hazard class

#### REPRODUCTIVE TOXICITY

Does not meet the classification criteria for this hazard class

#### Adverse effects on sexual function and fertility

Information not available





### SECTION 11. Toxicological information ... / >>

#### Adverse effects on development of the offspring

Information not available

#### Effects on or via lactation

Information not available

#### STOT - SINGLE EXPOSURE

Does not meet the classification criteria for this hazard class

#### Target organs

Information not available

#### Route of exposure

Information not available

#### STOT - REPEATED EXPOSURE

Does not meet the classification criteria for this hazard class

#### Target organs

Information not available

#### Route of exposure

Information not available

#### ASPIRATION HAZARD

Does not meet the classification criteria for this hazard class

#### 11.2. Information on other hazards

Based on the available data, the product does not contain substances listed in the main European lists of potential or suspected endocrine disruptors with human health effects under evaluation.

### SECTION 12. Ecological information

Use this product according to good working practices. Avoid littering. Inform the competent authorities, should the product reach waterways or contaminate soil or vegetation.

#### 12.1. Toxicity

##### 1,2-BENZISOTIAZOL-3(2H)-ONE

LC50 - for Fish

0,8 mg/l/96h Trota Iridea

EC50 - for Crustacea

4,4 mg/l/48h Dafnia Magna

##### MISCELA:5-CLORO-2-METIL-2H ISOTIAZO L-3-ONE;2-METIL-2H ISOTIAZOL-3-ONE

LC50 - for Fish

0,19 mg/l/96h

EC50 - for Crustacea

0,16 mg/l/48h

##### AMMONIA

LC50 - for Fish

47 mg/l/96h Channa punctata

EC50 - for Crustacea

20 mg/l/48h Daphnia magna

#### 12.2. Persistence and degradability

##### ETANOLAMINA LIBERA

Solubility in water

1000 - 10000 mg/l

Rapidly degradable

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

Degradability: information not available

**12.3. Bioaccumulative potential****ETANOLAMINA LIBERA**

Partition coefficient: n-octanol/water -2,3

**12.4. Mobility in soil****ETANOLAMINA LIBERA**

Partition coefficient: soil/water -0,5646

**12.5. Results of PBT and vPvB assessment**On the basis of available data, the product does not contain any PBT or vPvB in percentage  $\geq$  than 0,1%.**12.6. Endocrine disrupting properties**

Based on the available data, the product does not contain substances listed in the main European lists of potential or suspected endocrine disruptors with environmental effects under evaluation.

**12.7. Other adverse effects**

Information not available

**SECTION 13. Disposal considerations****13.1. Waste treatment methods**

Reuse, when possible. Neat product residues should be considered special non-hazardous waste.

Disposal must be performed through an authorised waste management firm, in compliance with national and local regulations.

**CONTAMINATED PACKAGING**

Contaminated packaging must be recovered or disposed of in compliance with national waste management regulations.

**SECTION 14. Transport information**

The product is not dangerous under current provisions of the Code of International Carriage of Dangerous Goods by Road (ADR) and by Rail (RID), of the International Maritime Dangerous Goods Code (IMDG), and of the International Air Transport Association (IATA) regulations.

**14.1. UN number or ID number**

Not applicable

**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**

Not applicable





## SECTION 16. Other information ... / &gt;&gt;

H410 Very toxic to aquatic life with long lasting effects.  
EUH210 Safety data sheet available on request.

## Use descriptor system:

|         |  |
|---------|--|
| ERC 11a | Widespread use of articles with low release (indoor)   |
| ERC 2   | Formulation into mixture   |
| ERC 5   | Use at industrial site leading to inclusion into/onto article  |
| ERC 8c  | Widespread use leading to inclusion into/onto article (indoor)   |
| PC 18   | Ink and toners   |
| PROC 19 | Manual activities involving hand contact   |
| PROC 2  | Chemical production or refinery in closed continuous process with occasional controlled exposure or processes with equivalent containment conditions                 |
| PROC 3  | Manufacture or formulation in the chemical industry in closed batch processes with occasional controlled exposure or processes with equivalent containment condition |
| PROC 5  | Mixing or blending in batch processes  |
| PROC 8a | Transfer of substance or mixture (charging and discharging) at non- dedicated facilities   |
| PROC 8b | Transfer of substance or mixture (charging and discharging) at dedicated facilities  |
| PROC 9  | Transfer of substance or mixture into small containers (dedicated filling line, including weighing)  |

## LEGEND:

- ADR: European Agreement concerning the carriage of Dangerous goods by Road
- ATE: Acute Toxicity Estimate
- CAS: Chemical Abstract Service Number
- CE50: Effective concentration (required to induce a 50% effect)
- CE: Identifier in ESIS (European archive of existing substances)
- CLP: Regulation (EC) 1272/2008
- DNEL: Derived No Effect Level
- EmS: Emergency Schedule
- GHS: Globally Harmonized System of classification and labeling of chemicals
- IATA DGR: International Air Transport Association Dangerous Goods Regulation
- IC50: Immobilization Concentration 50%
- IMDG: International Maritime Code for dangerous goods
- IMO: International Maritime Organization
- INDEX: Identifier in Annex VI of CLP
- LC50: Lethal Concentration 50%
- LD50: Lethal dose 50%
- OEL: Occupational Exposure Level
- PBT: Persistent bioaccumulative and toxic as REACH Regulation
- PEC: Predicted environmental Concentration
- PEL: Predicted exposure level
- PNEC: Predicted no effect concentration
- REACH: Regulation (EC) 1907/2006
- RID: Regulation concerning the international transport of dangerous goods by train
- TLV: Threshold Limit Value
- TLV CEILING: Concentration that should not be exceeded during any time of occupational exposure.
- TWA: Time-weighted average exposure limit
- TWA STEL: Short-term exposure limit
- VOC: Volatile organic Compounds
- vPvB: Very Persistent and very Bioaccumulative as for REACH Regulation
- WGK: Water hazard classes (German).

## GENERAL BIBLIOGRAPHY

1. Regulation (EC) 1907/2006 (REACH) of the European Parliament
2. Regulation (EC) 1272/2008 (CLP) of the European Parliament
3. Regulation (EU) 2020/878 (II Annex of REACH Regulation)
4. Regulation (EC) 790/2009 (I Atp. CLP) of the European Parliament
5. Regulation (EU) 286/2011 (II Atp. CLP) of the European Parliament
6. Regulation (EU) 618/2012 (III Atp. CLP) of the European Parliament
7. Regulation (EU) 487/2013 (IV Atp. CLP) of the European Parliament
8. Regulation (EU) 944/2013 (V Atp. CLP) of the European Parliament
9. Regulation (EU) 605/2014 (VI Atp. CLP) of the European Parliament
10. Regulation (EU) 2015/1221 (VII Atp. CLP) of the European Parliament
11. Regulation (EU) 2016/918 (VIII Atp. CLP) of the European Parliament
12. Regulation (EU) 2016/1179 (IX Atp. CLP)
13. Regulation (EU) 2017/776 (X Atp. CLP)
14. Regulation (EU) 2018/669 (XI Atp. CLP)
15. Regulation (EU) 2019/521 (XII Atp. CLP)
16. Delegated Regulation (UE) 2018/1480 (XIII Atp. CLP)
17. Regulation (EU) 2019/1148



### SECTION 16. Other information ... / >>

- 18. Delegated Regulation (UE) 2020/217 (XIV Atp. CLP)
- 19. Delegated Regulation (UE) 2020/1182 (XV Atp. CLP)
- 20. Delegated Regulation (UE) 2021/643 (XVI Atp. CLP)
- 21. Delegated Regulation (UE) 2021/849 (XVII Atp. CLP)

- The Merck Index. - 10th Edition
- Handling Chemical Safety
- INRS - Fiche Toxicologique (toxicological sheet)
- Patty - Industrial Hygiene and Toxicology
- N.I. Sax - Dangerous properties of Industrial Materials-7, 1989 Edition
- IFA GESTIS website
- ECHA website
- Database of SDS models for chemicals - Ministry of Health and ISS (Istituto Superiore di Sanità) - Italy

#### Note for users:

The information contained in the present sheet are based on our own knowledge on the date of the last version. Users must verify the suitability and thoroughness of provided information according to each specific use of the product.

This document must not be regarded as a guarantee on any specific product property.

The use of this product is not subject to our direct control; therefore, users must, under their own responsibility, comply with the current health and safety laws and regulations. The producer is relieved from any liability arising from improper uses.

Provide appointed staff with adequate training on how to use chemical products.

#### CALCULATION METHODS FOR CLASSIFICATION

Chemical and physical hazards: Product classification derives from criteria established by the CLP Regulation, Annex I, Part 2. The data for evaluation of chemical-physical properties are reported in section 9.

Health hazards: Product classification is based on calculation methods as per Annex I of CLP, Part 3, unless determined otherwise in Section 11.

Environmental hazards: Product classification is based on calculation methods as per Annex I of CLP, Part 4, unless determined otherwise in Section 12.

#### Changes to previous review:

The following sections were modified:

02 / 03 / 09 / 10 / 11 / 12 / 15 / 16.