

33490 - RESTAURO

33490 Cassel Earth

## Safety Data Sheet

According to Annex II to REACH - Regulation 2015/830

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

#### 1.1. Product identifier

Code: **33490**  
Product name: **RESTAURO** **33490 Cassel Earth**

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

Intended use: **Restauro varnish colour.**

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

Name: **INDUSTRIA MAIMERI S.p.A.**  
Full address: **Via Gianni Maimeri, 1**  
District and Country: **20060 Mediglia (MI)**  
**Italia**  
Tel. **+39 02 906981**  
Fax **+39 02 90698999**

e-mail address of the competent person responsible for the Safety Data Sheet: **schedesicurezza@mimeri.it**

Product distribution by: **INDUSTRIA MAIMERI S.P.A. VIA G.MAIMERI 1 20060 BETTOLINO DI MEDIGLIA (MI) ITALY**

#### 1.4. Emergency telephone number

For urgent inquiries refer to:  
**Australia : 131126**  
**USA: 1 800 222 1222**  
**Regno Unito NHS Direct (UK): +44 (0) 845 46 47**

### SECTION 2. Hazards identification

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

The product is classified as hazardous pursuant to the provisions set forth in (EC) Regulation 1272/2008 (CLP) (and subsequent amendments and supplements). The product thus requires a safety datasheet that complies with the provisions of (EU) Regulation 2015/830.

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

##### Hazard classification and indication:

|  |      |   |
|--|------|---|
| Flammable liquid, category 3                                       | H226 | Flammable liquid and vapour.                                    |
| Specific target organ toxicity - repeated exposure, category 1     | H372 | Causes damage to organs through prolonged or repeated exposure. |
| Skin sensitization, category 1                                     | H317 | May cause an allergic skin reaction.                            |
| Hazardous to the aquatic environment, chronic toxicity, category 2 | H411 | Toxic to aquatic life with long lasting effects.                |

#### 2.2. Label elements

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

Hazard pictograms:



Signal words: **Danger**

Hazard statements:

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

|             |   |
|-------------|---|
| <b>H226</b> | Flammable liquid and vapour.                                    |
| <b>H372</b> | Causes damage to organs through prolonged or repeated exposure. |
| <b>H317</b> | May cause an allergic skin reaction.                            |
| <b>H411</b> | Toxic to aquatic life with long lasting effects.                |

## Precautionary statements:

|                  |  |
|------------------|--|
| <b>P501</b>      | Dispose of contents / container to in accordance with local and national norms. . .            |
| <b>P102</b>      | Keep out of reach of children.   |
| <b>P210</b>      | Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. |
| <b>P280</b>      | Wear protective gloves/ protective clothing / eye protection / face protection.                |
| <b>P101</b>      | If medical advice is needed, have product container or label at hand.                          |
| <b>P370+P378</b> | In case of fire: Use CO2, powder for extinction.   |

**Contains:** Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)  
Turpentine Essence

**2.3. Other hazards**

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

**SECTION 3. Composition/information on ingredients****3.2. Mixtures**

Contains:

| Identification   | x = Conc. %              | Classification 1272/2008 (CLP)  |
|--|--------------------------|---|
| <b>Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)</b> |                          |   |
| CAS  | 64742-82-1 16,5 ≤ x < 18 | <b>Flam. Liq. 3 H226, STOT RE 1 H372, Asp. Tox. 1 H304, STOT SE 3 H336, Aquatic Chronic 2 H411, EUH066, Classification note according to Annex VI to the CLP Regulation: P</b>        |
| EC   | 919-446-0                |   |
| INDEX  |                          |   |
| Reg. no.   | 01-2119458049-33         |   |
| <b>Turpentine Essence</b>  |                          |   |
| CAS  | 8006-64-2 8 ≤ x < 9      | <b>Flam. Liq. 3 H226, Acute Tox. 4 H302, Acute Tox. 4 H312, Acute Tox. 4 H332, Asp. Tox. 1 H304, Eye Irrit. 2 H319, Skin Irrit. 2 H315, Skin Sens. 1 H317, Aquatic Chronic 2 H411</b> |
| EC   | 232-350-7                |   |
| INDEX  | 650-002-00-6             |   |
| Reg. no.   | 01-2119553060-53         |   |

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 15 minutes, opening the eyelids fully. If problem persists, seek medical advice.

**SKIN:** Remove contaminated clothing. Rinse skin with a shower immediately. Get medical advice/attention immediately. Wash contaminated clothing before using it again.

**INHALATION:** Remove to open air. If the subject stops breathing, administer artificial respiration. Get medical advice/attention immediately.

**INGESTION:** Get medical advice/attention immediately. Do not induce vomiting. Do not administer anything not explicitly authorised by a doctor.

**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

### 5.1. Extinguishing media

#### SUITABLE EXTINGUISHING EQUIPMENT

Extinguishing substances are: carbon dioxide, foam, chemical powder. For product loss or leakage that has not caught fire, water spray can be used to disperse flammable vapours and protect those trying to stem the leak.

#### UNSUITABLE EXTINGUISHING EQUIPMENT

Do not use jets of water. Water is not effective for putting out fires but can be used to cool containers exposed to flames to prevent explosions.

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

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

Excess pressure may form in containers exposed to fire at a risk of explosion. 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.

Send away individuals who are not suitably equipped. Use explosion-proof equipment. Eliminate all sources of ignition (cigarettes, flames, sparks, etc.) from the leakage site.

### 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

Keep away from heat, sparks and naked flames; do not smoke or use matches or lighters. Without adequate ventilation, vapours may accumulate at ground level and, if ignited, catch fire even at a distance, with the danger of backfire. Avoid bunching of electrostatic charges. Do not eat, drink or smoke during use. Remove any contaminated clothes and personal protective equipment before entering places in which people eat. Avoid leakage of the product into the environment.

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

Store only in the original container. Store in a well ventilated place, keep far away from sources of heat, naked flames and sparks and other sources of ignition. Keep containers away from any incompatible materials, see section 10 for details.

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## 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:

EU OEL EU 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 91/322/EEC.  
TLV-ACGIH ACGIH 2018

#### Turpentine Essence

##### Threshold Limit Value

| Type      | Country | TWA/8h<br>mg/m3 | ppm | STEL/15min<br>mg/m3 | ppm        |
|-----------|---------|-----------------|-----|---------------------|------------|
| OEL       | EU      | 112             | 20  |                     |            |
| TLV-ACGIH |         | 111             | 20  |                     | (sens), A4 |

##### Predicted no-effect concentration - PNEC

|   |     |       |
|---|-----|-------|
| Normal value in fresh water                           | 88  | µg/L  |
| Normal value in marine water                          | 88  | µg/L  |
| Normal value for fresh water sediment                 | 227 | mg/kg |
| Normal value for marine water sediment                | 227 | mg/kg |
| Normal value for water, intermittent release          | NPI |       |
| Normal value of STP microorganisms                    | 66  | mg/l  |
| Normal value for the food chain (secondary poisoning) | VND |       |
| Normal value for the terrestrial compartment          | 45  | mg/kg |

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

| Route of exposure | Effects on consumers |                   |                  | Effects on workers  |                |                   |                  |                     |
|-------------------|----------------------|-------------------|------------------|---------------------|----------------|-------------------|------------------|---------------------|
|                   | Acute<br>local       | Acute<br>systemic | Chronic<br>local | Chronic<br>systemic | Acute<br>local | Acute<br>systemic | Chronic<br>local | Chronic<br>systemic |
| Oral              |                      |                   |                  |                     |                |                   |                  |                     |
| Inhalation        |                      |                   |                  |                     |                |                   | 5.98             |                     |
| Skin              |                      |                   |                  |                     | 161            |                   |                  |                     |

Legend:

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

Provide an emergency shower with face and eye wash station.

Exposure levels must be kept as low as possible to avoid significant build-up in the organism. Manage personal protective equipment so as to guarantee maximum protection (e.g. reduction in replacement times).

#### 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 III professional long-sleeved overalls and safety footwear (see Directive 89/686/EEC and standard EN ISO 20344). Wash body with soap and water after removing protective clothing.

Consider the appropriateness of providing antistatic clothing in the case of working environments in which there is a risk of explosion.

#### EYE PROTECTION

Wear airtight protective goggles (see standard EN 166).

In the presence of risks of exposure to splashes or squirts during work, adequate mouth, nose and eye protection should be used to prevent accidental absorption.

#### 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

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

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.

Product residues must not be indiscriminately disposed of with waste water or by dumping in waterways.

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

|  |   |
|--|---|
| Appearance                             | paste                                     |
| Colour                                 | DEEP BROWN                                |
| Odour                                  | MASTIC RESIN                              |
| Odour threshold                        | Not applicable                            |
| pH                                     | Not applicable                            |
| Melting point / freezing point         | Not applicable                            |
| Initial boiling point                  | Not available                             |
| Boiling range                          | Not applicable                            |
| Flash point                            | 23 ≤ T ≤ 60 °C                            |
| Evaporation Rate                       | Not applicable                            |
| Flammability of solids and gases       | not applicable                            |
| Lower inflammability limit             | Not applicable                            |
| Upper inflammability limit             | Not applicable                            |
| Lower explosive limit                  | Not applicable                            |
| Upper explosive limit                  | Not applicable                            |
| Vapour pressure                        | Not applicable                            |
| Vapour density                         | Not applicable                            |
| Relative density                       | 1,5                                       |
| Solubility                             | INSOLUBLE, DILUTE WITH TURPENTINE ESSENCE |
| Partition coefficient: n-octanol/water | Not applicable                            |
| Auto-ignition temperature              | Not applicable                            |
| Decomposition temperature              | Not applicable                            |
| Viscosity                              | 1.500.000-3.000.000 cps                   |
| Explosive properties                   | not applicable                            |
| Oxidising properties                   | not applicable                            |

**9.2. Other information**

VOC (Directive 2010/75/EC) : 24,90 % - 373,50 g/litre

**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 in normal conditions of use and storage.

**10.3. Possibility of hazardous reactions**

The vapours may also form explosive mixtures with the air.

**10.4. Conditions to avoid**

Avoid overheating. Avoid bunching of electrostatic charges. Avoid all sources of ignition.

**10.5. Incompatible materials**

Information not available

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**SECTION 10. Stability and reactivity** ... / >>**10.6. Hazardous decomposition products**

In the event of thermal decomposition or fire, gases and vapours that are potentially dangerous to health may be released.

**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 toxicological effects**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

ACUTE TOXICITY

|                                   |             |
|-----------------------------------|-------------|
| LC50 (Inhalation) of the mixture: | > 20 mg/l   |
| LD50 (Oral) of the mixture:       | >2000 mg/kg |
| LD50 (Dermal) of the mixture:     | >2000 mg/kg |

Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)

|             |              |
|-------------|--------------|
| LD50 (Oral) | > 5000 mg/kg |
|-------------|--------------|

|               |           |
|---------------|-----------|
| LD50 (Dermal) | > 4 mg/Kg |
|---------------|-----------|

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

Sensitising for the skin

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

STOT - SINGLE EXPOSURE

Does not meet the classification criteria for this hazard class

STOT - REPEATED EXPOSURE

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**SECTION 11. Toxicological information** ... / >>

Causes damage to organs

ASPIRATION HAZARD

Does not meet the classification criteria for this hazard class Viscosity: 1.500.000-3.000.000 cps

**SECTION 12. Ecological information**

This product is dangerous for the environment and is toxic for aquatic organisms. In the long term, it have negative effects on acquatic environment.

**12.1. Toxicity**

Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)

LC50 - for Fish &lt; 30 mg/l/96h

EC50 - for Crustacea &lt; 22 mg/l/48h

EC50 - for Algae / Aquatic Plants &lt; 10 mg/l/72h

**12.2. Persistence and degradability**

Information not available

**12.3. Bioaccumulative 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 any PBT or vPvB in percentage greater than 0,1%.

**12.6. Other adverse effects**

Information not available

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

Reuse, when possible. Product residues should be considered special hazardous waste. The hazard level of waste containing this product should be evaluated according to applicable regulations.

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

Waste transportation may be subject to ADR restrictions.

CONTAMINATED PACKAGING

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

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

ADR / RID, IMDG, IATA: 1263

**14.2. UN proper shipping name**

ADR / RID: PAINT or PAINT RELATED MATERIAL

IMDG: PAINT or PAINT RELATED MATERIAL (Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%))

IATA: PAINT or PAINT RELATED MATERIAL

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**SECTION 14. Transport information** ... / >>**14.3. Transport hazard class(es)**

ADR / RID: Class: 3 Label: 3



IMDG: Class: 3 Label: 3



IATA: Class: 3 Label: 3

**14.4. Packing group**

ADR / RID, IMDG, IATA: III

**14.5. Environmental hazards**

ADR / RID: Environmentally Hazardous



IMDG: Marine Pollutant



IATA: NO

For Air transport, environmentally hazardous mark is only mandatory for UN 3077 and UN 3082.

**14.6. Special precautions for user**

|            |   |  |  |
|------------|---|--|--|
| ADR / RID: | HIN - Kemler: 30<br>Special Provision: -  | Limited Quantities: 5 L  | Tunnel restriction code: (D/E)                             |
| IMDG:      | EMS: F-E, S-E                             | Limited Quantities: 5 L  |  |
| IATA:      | Cargo:<br>Pass.:<br>Special Instructions: | Maximum quantity: 220 L<br>Maximum quantity: 60 L<br>A3, A72, A192 | Packaging instructions: 366<br>Packaging instructions: 355 |

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

Information not relevant

**SECTION 15. Regulatory information****15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**

Seveso Category - Directive 2012/18/EC: P5c-E2

Restrictions relating to the product or contained substances pursuant to Annex XVII to EC Regulation 1907/2006

|         |        |
|---------|--------|
| Product |        |
| Point   | 3 - 40 |

Substances in Candidate List (Art. 59 REACH)

On the basis of available data, the product does not contain any SVHC in percentage greater than 0,1%.

Substances subject to authorisation (Annex XIV REACH)

None

Substances subject to exportation reporting pursuant to (EC) Reg. 649/2012:

None

Substances subject to the Rotterdam Convention:

None

Substances subject to the Stockholm Convention:

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**SECTION 15. Regulatory information** ... / >>

None

Healthcare controls

Workers exposed to this chemical agent must not undergo health checks, provided that available risk-assessment data prove that the risks related to the workers' health and safety are modest and that the 98/24/EC directive is respected.

**15.2. Chemical safety assessment**

No chemical safety assessment has been processed for the mixture and the substances it contains.

**SECTION 16. Other information**

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

|                          |  |
|--------------------------|--|
| <b>Flam. Liq. 3</b>      | Flammable liquid, category 3                                       |
| <b>Acute Tox. 4</b>      | Acute toxicity, category 4   |
| <b>STOT RE 1</b>         | Specific target organ toxicity - repeated exposure, category 1     |
| <b>Asp. Tox. 1</b>       | Aspiration hazard, category 1                                      |
| <b>Eye Irrit. 2</b>      | Eye irritation, category 2   |
| <b>Skin Irrit. 2</b>     | Skin irritation, category 2  |
| <b>Skin Sens. 1</b>      | Skin sensitization, category 1                                     |
| <b>STOT SE 3</b>         | Specific target organ toxicity - single exposure, category 3       |
| <b>Aquatic Chronic 2</b> | Hazardous to the aquatic environment, chronic toxicity, category 2 |
| <b>H226</b>              | Flammable liquid and vapour.                                       |
| <b>H302</b>              | Harmful if swallowed.  |
| <b>H312</b>              | Harmful in contact with skin.                                      |
| <b>H332</b>              | Harmful if inhaled.  |
| <b>H372</b>              | Causes damage to organs through prolonged or repeated exposure.    |
| <b>H304</b>              | May be fatal if swallowed and enters airways.                      |
| <b>H319</b>              | Causes serious eye irritation.                                     |
| <b>H315</b>              | Causes skin irritation.  |
| <b>H317</b>              | May cause an allergic skin reaction.                               |
| <b>H336</b>              | May cause drowsiness or dizziness.                                 |
| <b>H411</b>              | Toxic to aquatic life with long lasting effects.                   |
| <b>EUH066</b>            | Repeated exposure may cause skin dryness or cracking.              |

## LEGEND:

- ADR: European Agreement concerning the carriage of Dangerous goods by Road
- CAS NUMBER: Chemical Abstract Service Number
- CE50: Effective concentration (required to induce a 50% effect)
- CE NUMBER: Identifier in ESIS (European archive of existing substances)
- CLP: EC Regulation 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 NUMBER: 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: EC Regulation 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 STEL: Short-term exposure limit
- TWA: Time-weighted average exposure limit
- VOC: Volatile organic Compounds
- vPvB: Very Persistent and very Bioaccumulative as for REACH Regulation
- WGK: Water hazard classes (German).

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

- 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) 790/2009 (I Atp. CLP) of the European Parliament
  4. Regulation (EU) 2015/830 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)

- 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.

**Changes to previous review:**

The following sections were modified:

03 / 09 / 11.