

# Licata S.p.A.

## P039 - Repair 540 R GRIGIO

Revision nr.3  
Dated 16/09/2024  
Printed on 19/09/2024  
Page n. 1 / 10  
Replaced revision:2 (Dated 16/09/2024)

EN

### Safety Data Sheet

According to Annex II to REACH - Regulation (EU) 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: P039  
Product name: Repair 540 R GRIGIO  
UFI : MWA0-706E-C00C-PJRE

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

Intended use: Malta cementizia

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

Name: Licata S.p.A.  
Full address: Via De Gasperi,155  
District and Country: 92024 Canicatti (AG)  
Italia  
Tel.: +39 0922 856088  
Fax: +39 0922 831427  
e-mail address of the competent person responsible for the Safety Data Sheet: controllo-qualita@licataspa.it

##### 1.4. Emergency telephone number

For urgent inquiries refer to:  
NHS111in England: 111  
NHS24in Scotland: 111  
NHS Direct in Wales: 111 or 0845 4647  
In an emergency, if the patient has collapsed or is not breathing properly, call 999

#### 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 2020/878.

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:

|  |      |                                      |
|--|------|--------------------------------------|
| Serious eye damage, category 1                               | H318 | Causes serious eye damage.           |
| Skin irritation, category 2                                  | H315 | Causes skin irritation.              |
| Specific target organ toxicity - single exposure, category 3 | H335 | May cause respiratory irritation.    |
| Skin sensitization, category 1                               | H317 | May cause an allergic skin reaction. |

##### 2.2. Label elements

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

Hazard pictograms:



Signal words: Danger

|  |  |  |  |    |
|--|--|--|--|----|
| Licata S.p.A.  |  | Revision nr.3<br>Dated 16/09/2024<br>Printed on 19/09/2024<br>Page n. 2 / 10<br>Replaced revision:2 (Dated 16/09/2024)           |  | EN |
| P039 - Repair 540 R GRIGIO   |  |  |  |    |
| SECTION 2. Hazards identification ... / >>   |  |  |  |    |
| Hazard statements:   |  |  |  |    |
| H318   |  | Causes serious eye damage.   |  |    |
| H315   |  | Causes skin irritation.  |  |    |
| H335   |  | May cause respiratory irritation.  |  |    |
| H317   |  | May cause an allergic skin reaction.   |  |    |
| Precautionary statements:  |  |  |  |    |
| P305+P351+P338   |  | IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. |  |    |
| P280   |  | Wear protective gloves / eye protection / face protection.   |  |    |
| P310   |  | Immediately call a POISON CENTER / doctor / . . .  |  |    |
| P261   |  | Avoid breathing dust / fume / gas / mist / vapours / spray.  |  |    |
| P403+P233  |  | Store in a well-ventilated place. Keep container tightly closed.   |  |    |
| P264   |  | Wash . . . thoroughly after handling.  |  |    |
| Contains:  |  |  |  |    |
|  |  | Clinker solfoalluminoso  |  |    |
|  |  | Portland cement clinker  |  |    |
|  |  | Calcio solfoalluminato   |  |    |
|  |  | flue dust  |  |    |
| 2.3. Other hazards   |  |  |  |    |
| On the basis of available data, the product does not contain any PBT or vPvB in percentage ≥ than 0,1%.  |  |  |  |    |
| The product does not contain substances with endocrine disrupting properties in concentration ≥ 0.1%.  |  |  |  |    |
| SECTION 3. Composition/information on ingredients  |  |  |  |    |
| 3.2. Mixtures  |  |  |  |    |
| Contains:  |  |  |  |    |
| Identification   |  |  |  |    |
| x = Conc. %  |  | Classification (EC) 1272/2008 (CLP)  |  |    |
| Clinker solfoalluminoso  |  |  |  |    |
| INDEX  |  | 24 ≤ x < 25,5  |  |    |
| EC 266-043-4   |  | Eye Dam. 1 H318, Skin Irrit. 2 H315, STOT SE 3 H335, Skin Sens. 1B H317  |  |    |
| CAS 65997-15-1   |  |  |  |    |
| Portland cement clinker  |  |  |  |    |
| INDEX  |  | 7 ≤ x < 8  |  |    |
| EC 266-043-4   |  | Eye Dam. 1 H318, Skin Irrit. 2 H315, STOT SE 3 H335, Skin Sens. 1 H317   |  |    |
| CAS 65997-15-1   |  |  |  |    |
| flue dust  |  |  |  |    |
| INDEX  |  | 0,354 ≤ x < 0,404  |  |    |
| EC 270-659-9   |  | Eye Dam. 1 H318, Skin Irrit. 2 H315, STOT SE 3 H335, Skin Sens. 1 H317   |  |    |
| CAS 68475-76-3   |  |  |  |    |
| REACH Reg. 01-2119486767-17-0xxx   |  |  |  |    |
| Calcio solfoalluminato   |  |  |  |    |
| INDEX  |  | 0,15 ≤ x < 0,2   |  |    |
| EC   |  | Skin Sens. 1 H317  |  |    |
| CAS 12005-25-3   |  |  |  |    |
| 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   |  |  |  |    |
| In case of doubt or in the presence of symptoms contact a doctor and show him this document.   |  |  |  |    |
| In case of more severe symptoms, ask for immediate medical aid.  |  |  |  |    |
| EYES: Remove, if present, contact lenses if the situation allows you to do so easily. Wash immediately with plenty of water for at least 15 minutes, opening the eyelids fully. Get medical advice/attention.    |  |  |  |    |
| SKIN: Take off immediately all contaminated clothing. Wash immediately and thoroughly with running water (and soap if possible). Get medical advice/attention. Avoid further contact with contaminated clothing. |  |  |  |    |
| INGESTION: Do not induce vomiting unless explicitly authorised by a doctor. Do not give anything by mouth to an unconscious person. Get  |  |  |  |    |
| EPY 11.7.1 - SDS 1004.14   |  |  |  |    |

# Licata S.p.A.

## P039 - Repair 540 R GRIGIO

Revision nr.3  
Dated 16/09/2024  
Printed on 19/09/2024  
Page n. 3 / 10  
Replaced revision:2 (Dated 16/09/2024)

EN

### SECTION 4. First aid measures ... / >>

medical advice/attention.

INHALATION: Remove victim to fresh air, away from the accident scene. In the event of respiratory symptoms (coughing, wheezing, breathing difficulty, asthma) keep the victim in a comfortable position for breathing. If necessary administer oxygen. If the subject stops breathing, administer artificial respiration. Get medical advice/attention.

#### Rescuer protection

It is good practice for rescuers lending support to a person who has been exposed to a chemical substance or to a mixture to wear personal protective equipment. The nature of such protection depends on the hazard level of the substance or mixture, on the type of exposure and on the extent of the contamination. In the absence of other more specific indications, use of disposable gloves in the event of possible contact with body fluids is recommended. For the type of PPE suitable for the characteristics of the substance or mixture, see section 8.

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

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

DELAYED EFFECTS: Based on the information currently available, there are no known cases of delayed effects following exposure to this product.

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

Immediately call a POISON CENTER / doctor / . . .

#### Means to have available in the workplace for specific and immediate treatment

Running water for skin and eye wash.

### SECTION 5. Firefighting measures

#### 5.1. Extinguishing media

##### SUITABLE EXTINGUISHING EQUIPMENT

Choose the most appropriate extinguishing equipment for the specific case.

##### 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

The product is neither flammable nor combustible.

#### 5.3. Advice for firefighters

##### 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

If there are no contraindications, spray powder with water to prevent the formation of dust.

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 and place it in containers for recovery or disposal. If there are no contraindications, use jets of water to eliminate product residues.

Make sure the leakage site is well aired. Evaluate the compatibility of the container to be used, by checking section 10. Contaminated material should be disposed of in compliance with the provisions set forth in point 13.

#### 6.4. Reference to other sections

# Licata S.p.A.

## P039 - Repair 540 R GRIGIO

Revision nr.3  
Dated 16/09/2024  
Printed on 19/09/2024  
Page n. 4 / 10  
Replaced revision:2 (Dated 16/09/2024)

EN

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.

#### 7.3. Specific end use(s)

Information not available

### SECTION 8. Exposure controls/personal protection

#### 8.1. Control parameters

Regulatory references:

ITA Italia Decreto Legislativo 9 Aprile 2008, n.81

#### Portland cement clinker

##### Threshold Limit Value

| Type | Country | TWA/8h<br>mg/m3 | ppm | STEL/15min<br>mg/m3 | ppm | Remarks / Observations |
|------|---------|-----------------|-----|---------------------|-----|------------------------|
| VLEP | ITA     | 1               |     |                     |     |                        |

Legend:

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

During the risk assessment process, it is essential to take into consideration the ACGIH occupational exposure levels for particulate not otherwise classified (PNOC respirable fraction: 3 mg/m3; PNOC inhalable fraction: 10 mg/m3). For values above these limits, use a P type filter, whose class (1, 2 or 3) must be chosen according to the outcome of risk assessment. The above values are not TLVs, but guide values, to be used for particles that do not have their own TLV and that are insoluble or poorly soluble in water and have low toxicity.

#### 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.

##### HAND PROTECTION

In the case of prolonged contact with the product, protect the hands with penetration-resistant work gloves (see standard EN 374).

Work glove material must be chosen according to the use process and the products that may form. Latex gloves may cause sensitivity reactions.

##### SKIN PROTECTION

Wear category II 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 ISO 16321).

##### RESPIRATORY PROTECTION

Use a type P filtering facemask, whose class (1, 2 or 3) and effective need, must be defined according to the outcome of risk assessment (see standard EN 149).

##### ENVIRONMENTAL EXPOSURE CONTROLS

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

|   |                             |  |    |
|---|-----------------------------|--|----|
| Licata S.p.A.   |                             | Revision nr.3<br>Dated 16/09/2024<br>Printed on 19/09/2024<br>Page n. 5 / 10<br>Replaced revision:2 (Dated 16/09/2024) | EN |
| P039 - Repair 540 R GRIGIO  |                             |  |    |
| SECTION 9. Physical and chemical properties   |                             |  |    |
| 9.1. Information on basic physical and chemical properties  |                             |  |    |
| Properties  | Value                       | Information  |    |
| Appearance  | powder                      |  |    |
| Colour  | grey                        |  |    |
| Odour   | characteristic              |  |    |
| Melting point / freezing point  | not available               |  |    |
| Initial boiling point   | not available               |  |    |
| Flammability  | incombustible               |  |    |
| Lower explosive limit   | not available               |  |    |
| Upper explosive limit   | not available               |  |    |
| Flash point   | not applicable              |  |    |
| Auto-ignition temperature   | not available               |  |    |
| Decomposition temperature   | not available               |  |    |
| pH  | 11 circa                    |  |    |
| Kinematic viscosity   | not available               |  |    |
| Solubility  | soluble in water            |  |    |
| Partition coefficient: n-octanol/water  | not available               |  |    |
| Vapour pressure   | not available               |  |    |
| Density and/or relative density   | not available               |  |    |
| Relative vapour density   | not available               |  |    |
| Particle characteristics  | not available               |  |    |
| 9.2. Other information  |                             |  |    |
| 9.2.1. Information with regard to physical hazard classes   |                             |  |    |
| Flammable liquids   |                             |  |    |
| Sustained combustibility  | does not sustain combustion |  |    |
| 9.2.2. Other safety characteristics   |                             |  |    |
| Explosive properties  | not applicable              |  |    |
| 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  |                             |  |    |
| No hazardous reactions are foreseeable in normal conditions of use and storage.                   |                             |  |    |
| 10.4. Conditions to avoid   |                             |  |    |
| None in particular. However the usual precautions used for chemical products should be respected. |                             |  |    |
| 10.5. Incompatible materials  |                             |  |    |
| Information not available   |                             |  |    |
| 10.6. Hazardous decomposition products  |                             |  |    |
| Information not available   |                             |  |    |
| EPY 11.7.1 - SDS 1004.14  |                             |  |    |

|   |  |   |
|---|--|---|
| <div>Licata S.p.A.</div> <div>P039 - Repair 540 R GRIGIO</div>  |  | <div>Revision nr.3<br/>Dated 16/09/2024<br/>Printed on 19/09/2024<br/>Page n. 6 / 10<br/>Replaced revision:2 (Dated 16/09/2024)</div> <div>EN</div> |
| <div>SECTION 11. Toxicological information</div> <div><p>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.</p><p>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.</p></div> <div><div>11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008</div><div><div><div><div><div>Metabolism, toxicokinetics, mechanism of action and other information</div><div>Information not available</div></div><div><div>Information on likely routes of exposure</div><div>Information not available</div></div><div><div>Delayed and immediate effects as well as chronic effects from short and long-term exposure</div><div>Information not available</div></div><div><div>Interactive effects</div><div>Information not available</div></div></div><div><div>ACUTE TOXICITY</div><div><div>ATE (Inhalation) of the mixture:</div><div>ATE (Oral) of the mixture:</div><div>ATE (Dermal) of the mixture:</div></div><div><div>Not classified (no significant component)</div><div>Not classified (no significant component)</div><div>Not classified (no significant component)</div></div></div><div><div><div>SKIN CORROSION / IRRITATION</div><div>Causes skin irritation</div></div><div><div>SERIOUS EYE DAMAGE / IRRITATION</div><div>Causes serious eye damage</div></div><div><div>RESPIRATORY OR SKIN SENSITISATION</div><div>Sensitising for the skin</div></div><div><div>GERM CELL MUTAGENICITY</div><div>Does not meet the classification criteria for this hazard class</div></div><div><div>CARCINOGENICITY</div><div>Does not meet the classification criteria for this hazard class</div></div><div><div>REPRODUCTIVE TOXICITY</div><div>Does not meet the classification criteria for this hazard class</div></div><div><div>STOT - SINGLE EXPOSURE</div><div>May cause respiratory irritation</div></div><div><div>STOT - REPEATED EXPOSURE</div><div>Does not meet the classification criteria for this hazard class</div></div><div><div>ASPIRATION HAZARD</div><div>Does not meet the classification criteria for this hazard class</div></div></div></div></div></div> |  |   |
| <div>EPY 11.7.1 - SDS 1004.14</div>   |  |   |

|  |  |  |    |
|--|--|--|----|
| <div>Licata S.p.A.</div> <div>P039 - Repair 540 R GRIGIO</div>   |  | Revision nr.3<br>Dated 16/09/2024<br>Printed on 19/09/2024<br>Page n. 7 / 10<br>Replaced revision:2 (Dated 16/09/2024) | EN |
| SECTION 11. Toxicological information ... / >>   |  |  |    |
| 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   |  |  |    |
| Information not available  |  |  |    |
| 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 ≥ 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. Product residues should be considered special hazardous waste. The hazard level of waste containing this product should be evaluated according to applicable regulations.<br>Disposal must be performed through an authorised waste management firm, in compliance with national and local regulations.<br>CONTAMINATED PACKAGING<br>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   |  |  |    |
| EPY 11.7.1 - SDS 1004.14   |  |  |    |

|   |  |  |
|---|--|--|
| <div> <div>Licata S.p.A.</div> <div>P039 - Repair 540 R GRIGIO</div> </div>   |  | <div> <div>Revision nr.3</div> <div>Dated 16/09/2024</div> <div>Printed on 19/09/2024</div> <div>Page n. 8 / 10</div> <div>Replaced revision:2 (Dated 16/09/2024)</div> </div> <div>EN</div> |
| SECTION 14. Transport information ... / >>  |  |  |
| <div>14.3. Transport hazard class(es)</div> <div>not applicable</div>   |  |  |
| <div>14.4. Packing group</div> <div>not applicable</div>  |  |  |
| <div>14.5. Environmental hazards</div> <div>not applicable</div>  |  |  |
| <div>14.6. Special precautions for user</div> <div>not applicable</div>   |  |  |
| <div>14.7. Maritime transport in bulk according to IMO instruments</div> <div>Information not relevant</div>  |  |  |
| SECTION 15. Regulatory information  |  |  |
| <div>15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture</div> <div> <div>Seveso Category - Directive 2012/18/EU:</div> <div>None</div> </div> <div> <div>Restrictions relating to the product or contained substances pursuant to Annex XVII to EC Regulation 1907/2006</div> <div> <div>Contained substance</div> <div>Point75</div> </div> </div> <div> <div>Regulation (EU) 2019/1148 - on the marketing and use of explosives precursors</div> <div>not applicable</div> </div> <div> <div>Substances in Candidate List (Art. 59 REACH)</div> <div>On the basis of available data, the product does not contain any SVHC in percentage <math>\geq</math> than 0,1%.</div> </div> <div> <div>Substances subject to authorisation (Annex XIV REACH)</div> <div>None</div> </div> <div> <div>Substances subject to exportation reporting pursuant to Regulation (EU) 649/2012:</div> <div>None</div> </div> <div> <div>Substances subject to the Rotterdam Convention:</div> <div>None</div> </div> <div> <div>Substances subject to the Stockholm Convention:</div> <div>None</div> </div> <div> <div>Healthcare controls</div> <div>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.</div> </div> |  |  |
| <div>15.2. Chemical safety assessment</div> <div>A chemical safety assessment has not been performed for the preparation/for the substances indicated in section 3.</div>   |  |  |
| SECTION 16. Other information   |  |  |
| <div>Text of hazard (H) indications mentioned in section 2-3 of the sheet:</div> <div> <div> <div>Eye Dam. 1</div> <div>Skin Irrit. 2</div> <div>STOT SE 3</div> <div>Skin Sens. 1</div> <div>Skin Sens. 1B</div> </div> <div> <div>Serious eye damage, category 1</div> <div>Skin irritation, category 2</div> <div>Specific target organ toxicity - single exposure, category 3</div> <div>Skin sensitization, category 1</div> <div>Skin sensitization, category 1B</div> </div> </div>  |  |  |
| <div> <div>EPY 11.7.1 - SDS 1004.14</div> </div>  |  |  |



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

|             |                                      |
|-------------|--------------------------------------|
| <b>H318</b> | Causes serious eye damage.           |
| <b>H315</b> | Causes skin irritation.              |
| <b>H335</b> | May cause respiratory irritation.    |
| <b>H317</b> | May cause an allergic skin reaction. |

## 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
- PEC: Predicted environmental Concentration
- PEL: Predicted exposure level
- PMT: Persistent, mobile and toxic
- 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
- vPvM: Very persistent and very mobile
- 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
  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)
  22. Delegated Regulation (UE) 2022/692 (XVIII Atp. CLP)
  23. Delegated Regulation (UE) 2023/707
  24. Delegated Regulation (UE) 2023/1434 (XIX Atp. CLP)
  24. Delegated Regulation (UE) 2023/1435 (XX Atp. CLP)
- The Merck Index. - 10th Edition
  - Handling Chemical Safety

**P039 - Repair 540 R GRIGIO****SECTION 16. Other information ... / >>**

- 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:

09.