

**Graphenstone
MinerMastic**

SECTION 1: IDENTIFICATION OF THE SUBSTANCE OR THE MIXTURE AND OF PARTNERSHIP OF THE COMPANY

- 1.1 Product identifier:** MinerMastic
- 1.2 Relevant identified uses of the substance or mixture and uses advised against:**
Relevant use: Putty for repairing surfaces
Uses advised against: All uses not specified in this section or in section 7.3
- 1.3 Details of the supplier of the safety data sheet:**
Industria Española para el Desarrollo e Investigación 2100, S.A. (IEDISA)
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Tel.: +34 955 292 068 / +34 693 026 242
Email: info@graphenstone.com
Web: <http://www.graphenstone.com>
- 1.4 Emergency telephone number:** +34 693 026 242

SECTION 2: HAZARDS IDENTIFICATION

- 2.1 Classification of the substance or mixture: CLP Regulation nº 1272/ 2008:**
Classification of this product has been carried out in accordance with CLP Regulation nº 1272/ 2008.
- 2.2 Label elements:
CLP Regulation nº 1272/ 2008:**
None
- 2.3 Other hazards:**
Non-applicable

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

- 3.1 Substance:**
Non-applicable .
- 3.2 Mixture:**
Chemical description: Mineral based mixture.
Components: None of the substances contained in the mixture are above the values fixed in Annex II of Regulation (EC) nº 1907/ 2006

SECTION 4: FIRST AID MEASURES

- 4.1 Description of first aid measures:**
Consult a doctor in case of discomfort with this Safety data Sheet.
- By inhalation:**
In case of symptoms, move the person affected into fresh air.
- By skin contact:**
It is a product that does not contain substances classified as dangerous in contact with the skin, however in case of contact it is recommended to clean the affected area thoroughly with water and neutral soap.
- By eye contact:**
Rinse with water until the product has been eliminated. In case of problems, consult a doctor with the SDS of this product.
- By ingestion/ aspiration:**
In case of consumption in large quantities, it is recommended to seek medical assistance.
- 4.2 Main symptoms and effects, acute and delayed:**
Acute and delayed effects are indicated in sections 2 and 11.
- 4.3 Indication of any immediate medical attention and special treatment needed:**
Non-applicable

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SECTION 5: FIRE-FIGHTING MEASURES

5.1 Extinguishing media:

Product is non-flammable, low risk of fire by the inflammability characteristics of the product in normal conditions of storage, manipulation and use. In the case of the existence of sustained combustion as a result of improper manipulation, storage or use any type of extinguishing agent can be used (ABC Powder, water...)

5.2 Special hazards arising from the substance or mixture:

Due to its non-flammable nature, the product does not present a fire risk under normal conditions of storage, manipulation and use.

5.3 Advice for firefighters:

Depending on the magnitude of the fire it may be necessary to use full protective clothing and individual respiratory equipment. Minimum emergency facilities and equipment should be available (fire blankets, portable first aid kit...) in accordance with R.D.486/ 1997 and subsequent modifications.

Additional provisions:

Act in accordance with the Internal Emergency Plan and the Information Sheets on actions to take after an accident or other emergencies. Destroy any source of ignition. In case of fire, refrigerate the storage containers and tanks for products susceptible to inflammation, explosion or BLEVE as a result of high temperatures. Avoid spillage of the products used to extinguish the fire into an aqueous medium.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures:

Sweep and collect the product with shovels or other means and introduce it in a container for reuse (preferably) or its disposal.

6.2 Environmental precautions:

This product is not classified as hazardous to the environment. Keep product away from drains, surface and underground water.

6.3 Methods and material for containment and cleaning:

It is recommended: Sweep up and shovel product or other means and place in container for reuse (preferred) or disposal.

6.4 Reference to other sections:

See sections 8 and 13.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling:

A.- General precautions

Comply with the current legislation concerning the prevention of industrial risks. Keep containers hermetically sealed. Control spills and residues, destroying them with safe methods (section 6). Avoid leakages from the container. Maintain order and cleanliness where dangerous products are used.

B.- Technical recommendations for the prevention of fires and explosions.

Due to its non-flammable nature, the product does not present a fire risk under normal conditions of storage, manipulation and use.

C.- Technical recommendations to prevent ergonomic and toxicological risks.

To control the exposure consult section 8. Do not eat, drink or smoke in work areas; wash hands after each use, and remove contaminated clothing and protective equipment before entering the eating areas

D.- Technical recommendations to prevent environmental risks

It is not necessary to take special measures to prevent environmental risks. For more information see subsection 6.2

7.2 Conditions for safe storage, including any incompatibilities:

A.- Technical measures for storage

ITC (R.D.379/2001): Non-applicable

Classification: Non-applicable

Minimum Temp: 5 °C

Maximum Temp: 30 °C

Maximum Time: 36 months

B.- General conditions for storage.

Avoid sources of heat, radiation, static electricity and contact with food. For additional information see subsection 10.5

7.3 Specific end uses:

Except for the instructions already specified it is not necessary to provide any special recommendation regarding the uses of this product.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters:

Substances whose occupational exposure limit values are to be controlled in the work environment (I NSHT 2017):
Particles not otherwise specified: Inhalable fraction VLA-ED= 10 mg/m³ // Breathable fraction VLA-ED= 3 mg/m³

DNEL (Workers):

Non-applicable

DNEL (Population):

Non-applicable

PNEC:

Non-applicable

8.2 Exposure controls:

A.- General security and hygiene measures in the work place:

As a preventive measure, the use of basic personal protective equipment is recommended, with the corresponding "CE marking" according to R.D.1407 / 1992 and subsequent modifications. For more information on personal protection equipment (storage, use, cleaning, maintenance, protection class...) consult the information leaflet provided by the EPI manufacturer. The indications contained in this point refer the pure product. The protection measures for the diluted product may vary depending on its degree of dilution, use, method of application, etc. To determine the obligation to install emergency showers and/or eyewash in the warehouses will be taken into account the regulations regarding the storage of chemical products applicable in each case. For more information see section 7.1 and 7.2.

All information contained herein is a recommendation which needs some specification from the labour risk prevention services as it is not known whether the company has additional measures at its disposal.

B.- Respiratory protection.

It will be necessary to use protection equipment in case fog formation or in case of exceeding the limits of professional exposure if they exist (See section 8.1).

C.- Specific protection of hands.

Pictogram	PPE	Labeling	CEN Standard	Remarks
 Mandatory hand protection	Protective gloves against minor risks			Replace any signs of deterioration. For prolonged periods of exposure to the product for professional/industrial users, the use of CE III gloves is recommended, in accordance with standards EN 420 and EN 374.

Since the product is a mixture of several substances, the resistance of the glove material can not be calculated in advance with total reliability and therefore to be checked prior to the application.

D.- Ocular and facial protection

Pictogram	PPE	Labeling	CEN Standard	Remarks
 Mandatory face protection	Panoramic glasses against splashes and/or projections		EN 166:2001 EN ISO 4007:2012	Clean daily and disinfect periodically according to the manufacturer's instructions. It is recommended in case of risk of splashes.

E.- Corporal protection

Pictogram	PPE	Labeling	CEN Standard	Remarks
	Work wear			Replace any signs of deterioration. For prolonged periods of exposure to the product for professional / industrial users, CE III is recommended, according to EN ISO 6529:2001, EN ISO 6530:2005, EN ISO 13688:2013, EN 464:1994.
	Anti-slip work footwear		EN ISO 20347:2012	Replace any signs of deterioration. For prolonged periods of exposure to the product for professional / industrial users, CE III is recommended, according to EN ISO 20345 and EN 13832-1

F.- Additional emergency measures

No additional emergency measures are necessary.

Environmental exposure controls:

Under Community legislation on environmental protection, it is recommended to avoid spilling both the product and its packaging into the environment. For additional information see section 7.1.D

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SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties:

To complete the information see the technical sheet/ product specification sheet.

Physical appearance:

Appearance: Solid
 Odor: Undetermined

Volatility:

Boiling point at atmospheric pressure: Non-applicable *
 Vapour pressure at 20 °C: Non-applicable *
 Vapour pressure at 50 °C: Non-applicable *
 Evaporation rate at 20 °C: Non-applicable *

Product description:

Density at 20 °C: 1230 kg/m³
 Relative density at 20 °C: 2,34
 Dynamic viscosity at 20 °C: Non-applicable *
 pH: Non-applicable *
 Vapour density at 20 °C: Non-applicable *
 Partition coefficient n-octanol/water at 20 °C: Non-applicable *
 Solubility in water at 20 °C: Non-applicable *
 Solubility properties: Non-applicable *
 Explosive properties: Non-applicable *
 Oxidizing properties: Non-applicable *
 Flammability:
 Flashpoint: Non-applicable
 Flammability (solid, gas): Non-applicable *

* Not relevant due to the nature of the product, not providing information property of its hazards.

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity:

Hazardous reactions are not expected if the technical instructions for the storage of chemical products are met. See section 7.

10.2 Chemical stability:

Chemically stable under the conditions of storage, handling and use.

10.3 Possibility of hazardous reactions:

Under the specified conditions, hazardous reactions that lead to excessive temperatures or pressures are not expected.

10.4 Conditions to avoid:

Applicable for handling and storage at room temperature:

Shock and friction	Contact with air	Increase in temperature	Sunlight	Humidity
Non-applicable	Non-applicable	Non-applicable	Non-applicable	Non-applicable

10.5 Incompatible materials:

Acids	Water	Combustive materials	Combustible materials	Others
Avoid strong acids	Non-applicable	Non-applicable	Non-applicable	Evitar álcalis o bases fuertes

10.6 Hazardous decomposition products:

See section 10.3, 10.4 and 10.5 to find out the specific decomposition products. Depending on the decomposition conditions, complex mixtures of chemical substances can be released: carbon dioxide (CO₂), carbon monoxide and other organic compounds.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects:

The experimental information related to the toxicological properties of the product itself is not available.

Dangerous effects for health:

In case of exposure that is repetitive, prolonged or at concentrations higher than recommended by the occupational exposure limits, it may result in adverse effects on health depending on the means of exposure:

A.- Ingestion (acute effect):

- Acute toxicity: Based on available data, the classification criteria are not met, as it does not contain substances classi-

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fied as dangerous for consumption. For more information see section 3.

- Corrosivity/Irritability: Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous for the effects mentioned. For more information see section 3.

B- Inhalation (acute effect):

- Acute toxicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous for the effects mentioned. For more information see section 3.
- Corrosivity/Irritability Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous for the effects mentioned. For more information see section 3.

C- Contact with the skin and the eyes (acute effect):

- Contact with the skin: Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous for the effects mentioned. For more information see section 3.
- Contact with the eyes: Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous for the effects mentioned. For more information see section 3.

D CMR effects (carcinogenicity, mutagenicity and toxicity to reproduction):

- Carcinogenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous for the effects mentioned. For more information see section 3.
- Mutagenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous for the effects mentioned. For more information see section 3.
- Reproductive toxicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous for the effects mentioned. For more information see section 3.

E- Sensitizing effects:

- Respiratory: Based on available data, the classification criteria are not met, not presenting substances classified as dangerous with sensitizing effects above the limits set out in point 3.2 of Regulation (EC) 2015/ 830. For more information see sections 2, 3 and 15.
- Cutaneous: Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous for the effects mentioned. For more information see section 3.

F- Specific target organ toxicity (STOT) - single exposure:

- Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous for this effect. For more information see section 3.

G- Specific target organ toxicity (STOT)-repeated exposure:

- Specific target organ toxicity (STOT)-repeated exposure: Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous for this effect. For more information see section 3.
- Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous for this effect. For more information see section 3.

H- Aspiration hazard:

- Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous for this effect. For more information see section 3.

Additional information:

Non-applicable

Specific toxicology information on the substances:

Undetermined

SECTION 12 ECOLOGICAL INFORMATION

The Experimental information related to the eco-toxicological properties of the product itself is not available.

12.1 Toxicity:

Undetermined

12.2 Persistence and degradability:

Not available

12.3 Bio-accumulative potential:

Undetermined

12.4 Mobility in soil:

Undetermined

12.5 Results of PBT and vPvB assessment:

Non-applicable

12.6 Other adverse effects:

No descriptos

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods:

Code	Description	Waste class (Regulation (EU) No 1357/ 2014)
1709 04	Mixed construction and demolition wastes other than those specified in codes 17 09 01, 17 09 02 and 17 09 03	No dangerous

Type of waste (Regulation (EU) n° 1357/ 2014):

Non-applicable

Waste management (disposal and evaluation):

Consult the authorized waste service manager on assessment and disposal operations in accordance with Annex 1 and Annex 2 (Directive 2008/ 98/ EC, Law 22/ 2011). As under 15 01 (2014/ 955/ EU) of the code and in case the container has been in direct contact with the product, it will be processed the same way as the actual product. Otherwise, it will be processed as non-dangerous residue. We do not recommended disposal down the drain. See section 6.2.

Legislative provisions related to waste management:

In accordance with Annex II of Regulation (EC) n° 1907/ 2006 (REACH) the community or state provisions related to waste management are stated.

Community legislation: Directive 2008/ 98/ CE, 2014/ 955/ UE, Regulation(UE) n° 1357/ 2014

National legislation: Law 22/ 2011

SECTION 14: TRANSPORT INFORMATION

14.1. Transport of dangerous goods by land:

With regard to ADR 2015 by RID 2015: Exempt

14.2. T Transport of dangerous goods by sea:

With regard to IMDG 38-16: Exempt

14.3. Transport of dangerous goods by air:

With regard to IATA/ICAO 2017: Exempt

SECTION 15: REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/ legislation specific for the substance or mixture :

Candidate substances for authorization under the Regulation (EC) 1907/ 2006 (REACH): Non-applicable

Substances included in Annex XI V of REACH (Authorization list) and of expiration: Non-applicable

Regulation (EC) 1005/2009, about substances that deplete the ozone layer: Non-applicable

Active Substances which have been included in Article 95 of Regulation (EU) No. 528/2012: Non-applicable

REGULATION (EU) No 649/2012, in relation to the import and export of the hazardous chemical products: Non-applicable

Limitation to commercialization and the use of certain dangerous substances and mixtures (Annex XVI I REACH, etc):

Non-applicable

Specific provisions in terms of protecting people or the environment:

It is recommended to use the information included in this safety data sheet as data used in a risk evaluation of the local circumstances in order to establish the necessary risk prevention measures for the handling, use, storage and disposal of this product.

Other legislation:

Regulation (EC) n° 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labeling and packaging of Substances and mixtures, and by which Directives 67/548 / EEC and 1999/45 / EC are amended and repealed and Regulation (EC) No 1907/2006 is amended

15.2 Chemical safety assessment:

The supplier has not carried out evaluation of chemical safety.

SECTION 16: OTHER INFORMATION

Legislation related to safety data sheets:

This safety data sheet has been designed in accordance with ANNEX II -Guide to the compilation of safety data sheets of Regulation (EC) N° 1907/ 2006 (Regulation (EC) N° 2015/ 830)

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Modifications related to the previous Safety Data Sheet which concerns the ways of managing risks:

Non-applicable

Texts of the legislative phrases mentioned in section 2:

Non-applicable

Texts of the legislative phrases mentioned in 3:

The phrases indicated do not refer to the product itself; they are present merely for informative purposes and refer to the individual components which appear in section 3.

CLP Regulation (EC) n° 1272/ 2008:

Non-applicable

Classification procedure:

Non-applicable

Advice related to training:

Minimal training is recommended to prevent industrial risks for staff using this product, in order to facilitate their comprehension and interpretation of this safety data sheet, as well as the label on the product.

Principal bibliographical sources:

[http:// esis.jrc.ec.europa.eu](http://esis.jrc.ec.europa.eu)

[http:// echa.europa.eu](http://echa.europa.eu)

[http:// eur-lex.europa.eu](http://eur-lex.europa.eu)

Abbreviations and acronyms:

- ADR: European agreement concerning the international carriage of dangerous goods by road
- IMDG: International maritime dangerous goods code
- IATA: International Air Transport Association
- OACI: International Civil Aviation Organization
- COD: Chemical Oxygen Demand
- BOD5: 5-days biochemical oxygen demand
- BCF: Bioconcentration factor
- LD50: Lethal Dose 50
- LC50: Lethal Concentration 50
- EC50: Effective concentration 50
- Log POW: Octanol–water partition coefficient
- Koc: Partition coefficient of organic carbon

The information contained in this Safety Data Sheet is based on sources, technical knowledge and current legislation at European and state level and cannot guarantee the accuracy of it. This information cannot be considered as a guarantee of the properties of the product, it is simply a description of the security requirements. The methodology and working conditions of the users of this product are beyond our knowledge and control, and it is always the user's ultimate responsibility to take the necessary measures to adapt to the legislative requirements regarding handling, storage, use and disposal of chemical products. . The information in this safety data sheet only refers to this product, which should not be used for purposes other than those specified.

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