

## Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 22.05.2022

Version number 2

Revision: 22.05.2022

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

- 1.1 Product identifier
- Trade name: Cement powder
- 1.2 Relevant identified uses of the substance or mixture and uses advised against  
No further relevant information available.
- Application of the substance / the preparation : Regulated set cement
- 1.3 Details of the supplier of the safety data sheet
- Manufacturer/Supplier:  
MERSEN France PY SAS  
1 rue Jules Ferry  
54530 Pagny sur Moselle  
Tel: (33) (0)383816081  
qse.pagny@mersen.com
- 1.4 Emergency telephone number:  
France (INRS 24h/24) - Tel : +33 (0)1 45 42 59 59  
Ireland - Tel : 00 353 1 8092568 - 00 353 1 8379964 (24h/24) EU Tel: 112  
Belgium - Brüssel: +32 070/245 245  
UK : Call NHS 999 in a medical emergency. If you urgently need medical help or advice but it's not a life-threatening situation, call 111 (24/7). The NHS 111 number is currently only available in certain areas. If you're outside of these areas, you should call NHS Direct on 0845 4647

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### SECTION 2: Hazards identification

- 2.1 Classification of the substance or mixture
- Classification according to Regulation (EC) No 1272/2008 :  
The product is not classified, according to the GB CLP regulation.
- 2.2 Label elements
- Labelling according to Regulation (EC) No 1272/2008 Not classified as hazardous
- Hazard pictograms Not classified as hazardous
- Signal word Not classified as hazardous
- Hazard statements Not classified as hazardous
- Additional information:  
EUH210 Safety data sheet available on request.
- 2.3 Other hazards
- Results of PBT and vPvB assessment
- PBT: Not applicable.
- vPvB: Not applicable.

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### SECTION 3: Composition/information on ingredients

- 3.2 Chemical characterisation: Mixtures
- Description: Mixture: consisting of the following components.

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### · Dangerous components:

- |                            |  |         |
|----------------------------|--|---------|
| CAS: 7782-42-5             | Graphite   | 50-100% |
| EINECS: 231-955-3          | substance with a Community workplace exposure limit  |         |
| CAS: 104-15-4              | p-toluenesulphonic acid (containing a maximum of 5 % H <sub>2</sub> SO <sub>4</sub> )  | 5-10%   |
| EINECS: 203-180-0          |  Skin Irrit. 2, H315; Eye Irrit. 2, H319; STOT SE 3, H335 |         |
| Index number: 016-030-00-2 | Specific concentration limit: STOT SE 3; H335: C ≥ 20 %  |         |
- SVHC No
  - Additional information: For the wording of the listed risk phrases, refer to section 16.

### SECTION 4: First aid measures

- 4.1 Description of first aid measures
- General information: No special measures required.
- After inhalation: Provide fresh air; consult a doctor in case of medical complaints.
- After skin contact: Generally the product does not irritate the skin.
- After eye contact: Rinse opened eye for several minutes under running water.
- After swallowing: If symptoms persist consult a doctor.
- 4.2 Most important symptoms and effects, both acute and delayed :  
No further relevant information available.
- 4.3 Indication of any immediate medical attention and special treatment needed :  
No further relevant information available.

### SECTION 5: Firefighting measures

- 5.1 Suitable extinguishing agents:  
CO<sub>2</sub>, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- 5.2 Special hazards arising from the substance or mixture : No further relevant information available.
- 5.3 Advice for firefighters
- Protective equipment: Mouth respiratory protective device.

### SECTION 6: Accidental release measures

- 6.1 Personal precautions, protective equipment and emergency procedures: Not required.
- 6.2 Environmental precautions: Do not allow the product to enter sewers/ surface water or ground water.
- 6.3 Methods and material for containment and cleaning up: Pick up mechanically.
- 6.4 Reference to other sections :  
No dangerous substances are released.  
See Section 7 for information on safe handling.  
See Section 8 for information on personal protective equipment.  
See Section 13 for disposal information.

### SECTION 7: Handling and storage

- 7.1 Precautions for safe handling :  
Prevent formation of dust.  
Provide suction extractors if dust is formed.

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- Information about fire - and explosion protection: No special measures required.
- 7.2 Conditions for safe storage, including any incompatibilities
- Storage:
  - Requirements to be met by storerooms and receptacles: Store away from light and moisture.
  - Information about storage in one common storage facility: Not required.
  - Further information about storage conditions: Protect from humidity and water.
- 7.3 Specific end use(s) : No further relevant information available.

### SECTION 8: Exposure controls/personal protection

- 8.1 Control parameters
- Additional information about design of technical facilities: No further data; see section 7.
- Ingredients with limit values that require monitoring at the workplace:

CAS: 7782-42-5 Graphite (50-100%)

MAK (Switzerland) Long-term value: 2.5 a 5 e mg/m<sup>3</sup>  
SSc;

- Additional information:  
The most current valid lists have been used as a basis for the production of this document.
- 8.2 Exposure controls
- Personal protective equipment:
  - General protective and hygienic measures:  
The usual precautionary measures are to be adhered to when handling chemicals.
  - Respiratory protection: Not necessary if room is well-ventilated.
  - Protection of hands:



Protective gloves

- Gloves material : Nitrile rubber, NBR
- Eye protection:



Safety glasses

Not required.

### SECTION 9: Physical and chemical properties

- 9.1 Information on basic physical and chemical properties
- General Information
- Appearance:
 

Form:	Powder < 0.5 mm
Colour:	Black

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- Odour: Odourless
- Odour threshold: Not determined.
- pH-value: Not applicable.
- Change in condition
  - Melting point/freezing point: Undetermined.
  - Initial boiling point and boiling range: Undetermined.
- Flash point: Not applicable.
- Flammability (solid, gas): Not determined.
- Ignition temperature: Not applicable.
- Decomposition temperature: Not determined.
- Auto-ignition temperature: Product is not self igniting.
- Explosive properties: Product does not present an explosion hazard.
- Explosion limits:
  - Lower: Not determined.
  - Upper: Not determined.
- Vapour pressure: Not applicable.
- Density at 20 °C: 1.9-2.3 g/cm<sup>3</sup>
- Relative density : Not determined.
- Vapour density : Not applicable.
- Evaporation rate : Not applicable.
- Solubility in / Miscibility with water: Insoluble.
- Segregation coefficient (n-octanol/water): Not determined.
- Viscosity:
  - Dynamic: Not applicable.
  - Kinematic: Not applicable.
  - Kinematic: Not applicable.
- 9.2 Other information : No further relevant information available.

**SECTION 10: Stability and reactivity**

- 10.1 Reactivity No further relevant information available.

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- 10.2 Chemical stability
- Thermal decomposition / conditions to be avoided:  
No decomposition if used according to specifications.
- 10.3 Possibility of hazardous reactions : No dangerous reactions known.
- 10.4 Conditions to avoid : No further relevant information available.
- 10.5 Incompatible materials: No further relevant information available.
- 10.6 Hazardous decomposition products: No dangerous decomposition products known.

### SECTION 11: Toxicological information

- 11.1 Information on toxicological effects
- Acute toxicity Based on available data, the classification criteria are not met.
- LD/LC50 values relevant for classification:  
CAS: 7782-42-5 Graphite  
Oral LD50 >2,000 mg/kg (rat)  
Inhalative LC50/4 h >2,000 mg/l (rat)
- Primary irritant effect:
- On the skin: Based on available data, the classification criteria are not met.
- On the eyes: Based on available data, the classification criteria are not met.
- Respiratory or skin sensitization Based on available data, the classification criteria are not met.
- Additional toxicological information:
- CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)
- Germ cell mutagenicity Based on available data, the classification criteria are not met.
- Carcinogenicity Based on available data, the classification criteria are not met.
- Reproductive toxicity Based on available data, the classification criteria are not met.
- STOT-single exposure Based on available data, the classification criteria are not met.
- STOT-repeated exposure Based on available data, the classification criteria are not met.
- Aspiration hazard Based on available data, the classification criteria are not met.

### SECTION 12: Ecological information

- 12.1 Toxicity
- Aquatic toxicity:  
CAS: 7782-42-5 Graphite  
EC50 72h >100 mg/l (Algae)  
EC50 48h >100 mg/l (daphnia)
- 12.2 Persistence and degradability : No further relevant information available.
- 12.3 Bioaccumulative potential : No further relevant information available.
- 12.4 Mobility in soil : No further relevant information available.
- Additional ecological information:
- General notes:  
Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water.  
Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

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- 12.5 Results of PBT and vPvB assessment
- PBT: Not applicable.
- vPvB: Not applicable.
- 12.6 Other adverse effects : No further relevant information available.

### SECTION 13: Disposal considerations

- 13.1 Waste treatment methods
- Recommendation : Smaller quantities can be disposed of with household waste.
- Uncleaned packaging:
- Recommendation: Disposal must be made according to official regulations.

### SECTION 14: Transport information

- 14.1 UN-Number
  - ADR, ADN, IMDG, IATA
  - 14.2 UN proper shipping name
  - ADR, ADN, IMDG, IATA
  - 14.3 Transport hazard class(es)
  - ADR, ADN, IMDG, IATA
  - Class
  - 14.4 Packing group
  - ADR, IMDG, IATA
  - 14.5 Environmental hazards:
  - Marine pollutant:
  - 14.6 Special precautions for user
  - 14.7 Transport in bulk according to Annex II of Marpol and the IBC Code
  - UN "Model Regulation":
- Not classified as hazardous for transport
- Not classified as hazardous for transport
- Not classified as hazardous for transport
- Not classified as hazardous for transport
- Not classified as hazardous for transport
- Not applicable.
- Not applicable.
- Not classified as hazardous for transport

### SECTION 15: Regulatory information

- 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture
- Directive 2012/18/EU
- Named dangerous substances - ANNEX I None of the ingredients is listed.
- DIRECTIVE 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment – Annex II
- None of the ingredients is listed.
- REGULATION (EU) 2019/1148
- Annex I - RESTRICTED EXPLOSIVES PRECURSORS (Upper limit value for the purpose of licensing under Article 5(3))
- None of the ingredients is listed.

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· Annex II - REPORTABLE EXPLOSIVES PRECURSORS

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None of the ingredients is listed.

· Regulation (EC) No 273/2004 on drug precursors

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None of the ingredients is listed.

· Regulation (EC) No 111/2005 laying down rules for the monitoring of trade between the Community and third countries in drug precursors

None of the ingredients is listed.

· 15.2 Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

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### SECTION 16: Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

· Relevant phrases

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H335 May cause respiratory irritation.

· Abbreviations and acronyms:

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)

ICAO: International Civil Aviation Organisation

ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

SVHC: Substances of Very High Concern vPvB:

very Persistent and very Bioaccumulative

Skin Irrit. 2: Skin corrosion/irritation – Category 2

Eye Irrit. 2: Serious eye damage/eye irritation – Category 2

STOT SE 3: Specific target organ toxicity (single exposure) – Category 3

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