

# SAFETY DATA SHEET

## ACCORDING TO REGULATION (EC) 2020/878 (former 1907/2006)

Macro crystalline Graphite

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### 1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

#### 1.1 Product identifier

Trade name: GRAPHITE POWDER (50grm bag)

CAS-No.: 7782-42-5

EC-No.: 231-955-3

REACH registration number: Exempted in accordance with Annex V.7

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

Identified uses of the substance: diverse, please ask for details.

Not recommended uses of the substance: None

#### 1.3 Details of the supplier of the Safety Data Sheet

Manufacturer / Supplier:

#### 1.4 Emergency telephone number

+49 / (0)6123 / 7980 (mo-fr 08-17 h)

### 2. HAZARDS IDENTIFICATION

#### 2.1 Classification of the substance or mixture

##### 2.1.1 Classification according to Regulation (EC) No 1272/2008 (CLP)

This substance is classified as not hazardous according to Regulation (EC) No 1272/2008 (CLP).

##### 2.1.2 Additional information

This substance does not meet the criteria for classification as PBT or vPvB.

#### 2.2 Label elements

*Labelling according to Regulation (EC) No 1272/2008 (CLP)*

There is no obligatory labelling requirement according to Regulation (EC) No 1272/2008 (CLP).

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### 2.3 Other hazards

This substance **does not have** any of the following criteria:

- Nanoparticles
  - Criteria for persistent, bioaccumulative and toxic or very persistent and very bioaccumulative substances set out in Annex XIII.
  - Inclusion in the list established in accordance with Article 59(1) because it exhibits endocrine disrupting properties and because the substance exhibits endocrine disrupting properties or endocrine disrupting properties according to the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605.
  - Dust explosion hazard, cross-sensitisation, suffocation hazard, frostbite hazard, pronounced odour or taste or effects on the environment such as hazard to soil organisms or photochemical ozone creation potential.
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## 3. COMPOSITION / INFORMATION ON INGREDIENTS

### 3.1 Substances

#### Graphite, natural

CAS-No.: 7782-42-5

EC-No.: 231-955-3

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## 4. FIRST AID MEASURES

### 4.1 Description of first aid measures

**Eye contact:** in case of contact, flush eyes with plenty of clean water for at least 15 minutes. If irritation or redness develops, seek medical attention.

**Skin contact:** no first aid is normally required, just flush affected areas with clean water and soap.

**Inhalation:** if extremely inhaled, remove afflicted person into fresh air. If breathing difficulties develop artificial respiration or oxygen should be administered by qualified personnel, seek medical attention

**Ingestion:** may cause irritation, seek medical attention.

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

**Symptoms:** Treat symptomatically.

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4.3 Indication of any immediate medical attention and special treatment needed

**Emergency aid:** First Aid, decontamination, treatment of symptoms

**Treatment:** Symptomatic treatment. No specific antidot known.

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### 5. FIRE FIGHTING MEASURES

5.1 Extinguishing media

Extinguishers: foam, sand, CO<sub>2</sub>, water

5.2 Special hazards arising from the substance or mixture

carbon monoxide and carbon dioxide can arise

not inflammable

not explosive

5.3 Advice for firefighters

Align measures to surrounding fire

Use dust-mask

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### 6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Dust mask P1 should be used during excessive pollution

6.2 Environmental precautions

not necessary

6.3 Methods and material for containment and cleaning up

Remove by simply sweeping or with a Hoover. Danger of slipping.

6.4 Reference to other sections

Refer to chapter 8 (personal protection equipment) and chapter 13 (disposal considerations).

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### 7. HANDLING AND STORAGE

#### 7.1 Precautions for safe handling

Avoid breathing dust. Use ventilation or other engineering controls to minimize potential exposure and to maintain air levels below the recommended exposure limit. Avoid getting in eyes. Wash thoroughly after handling. Do not eat or drink while handling the product.

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

Store in a dry place away from direct sunlight, heat, and incompatible materials (oxidizing agents, Fluorine, halogenated solvents, Potassium and Potassium Oxide). All usual kinds of packing can be used.

#### 7.3 Specific end use(s)

none

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### 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

#### 8.1 Control parameters

**Limitation of pollution:** concentration of dust during work should be controlled according to regional directions.

**Technical measures:** if necessary, suitable ventilation or vacuum pumps should be installed.

#### 8.2 Exposure controls

**Occupational exposure controls:** Do not eat, drink or smoke during work time. Keep away from foodstuffs and beverages. Avoid contact with eyes and skin. Remove soiled or soaked clothing immediately. Wash hands before breaks and after work. Do not inhale dust.

**Chemical handling:** Avoid contact with skin, eyes and clothing. Avoid generation and inhalation of dust.

**Respirator requirements:** when exceeding MAK-values use dust-mask filter P1

**Eye protection:** during extreme pollution safety glasses or goggles.

**Hand protection:** not necessary

**Skin protection:** not necessary

Gloves and protective suits are recommended

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### 9. *PHYSICAL AND CHEMICAL PROPERTIES*

#### 9.1 Information on basic physical and chemical properties

State of aggregation: solid  
Colour: black  
Odour: odourless  
Nanoparticles: None

Melting point/Melting range: Not determined  
Boiling point/Boiling range: Not determined  
Flash point: Not flammable  
Flammability: Non-flammable  
Lower flammability limit: No data available  
Upper flammability limit: No data available  
Explosive properties: Non-explosive  
Lower explosion limit: Not determined  
Upper explosion limit: Not determined  
Ignition point: Non-flammable  
Decomposition temperature: Not applicable

#### 9.2 Other information

None.

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### 10. *STABILITY AND REACTIVITY*

#### 10.1 Reactivity

Stable under normal conditions of use.

#### 10.2 Chemical stability

Stable and indefinitely durable when stored and used correctly

#### 10.3 Possibility of hazardous reactions

None

#### 10.4 Conditions to avoid

Moisture, water.

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10.5 Incompatible materials

None

10.6 Hazardous decomposition products

no dangerous decomposition products

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**11. TOXICOLOGICAL INFORMATION**

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

No acute toxic and no cancerous growing effects known, the product is not listed by ACGIH, MIOH, NTP, IARC or regulated as a carcinogen by OSHA.

11.2 Information on other hazards

No endocrine disrupting properties

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**12. ECOLOGICAL INFORMATION**

12.1 Toxicity

Crystalline graphite is chemically inert and does not contaminate environment.

**Substances hazardous to water:**

Classification according to the German Ordinance on Installations for the Handling of Substances Hazardous to Water (AwSV) of 18 April 2017: nwg (not hazardous to water)

12.2 Persistence and degradability

Cristalline natural graphite is chemically inert and does not contaminate environment.

12.3 Bioaccumulative potential

No potential of bioaccumulation.

12.4 Mobility in soil

Graphite has no functional groups that would suggest the ability to adsorb to solid surfaces.

12.5 Results of PBT and vPvB assessment

This substance does not meet the criteria for classification as PBT or vPvB.

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### 12.6 Endocrine disrupting properties

None

### 12.7 Other adverse effects

None

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## 13. DISPOSAL CONSIDERATIONS

### 13.1 Waste treatment methods

**Waste disposal:** no special measures necessary.

Local regulations for the disposal of non-hazardous goods must be observed.

**Packaging:** Feed cleaned packaging materials into the local material cycles.

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## 14. TRANSPORT INFORMATION

### 14.1 UN number or ID number

This substance is classified as not hazardous

### 14.2 UN proper shipping name

This substance is classified as not hazardous

### 14.3 Transport hazard class(es)

None

### 14.4 Packing group

None

### 14.5 Environmental hazards

Hazard code(s)

ARD/RID / IMDG-Code / ICAO-TI / IATA – DGR: No

Marine pollutant: No

### 14.6 Special precautions for users

Refer to chapter 6-8.

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### 14.7 Maritime transport in bulk according to IMO instruments

Pollution Category: No information available.

Ship type: No information available.

Product name: No information available.

Special provisions: No information available.

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## 15 REGULATORY INFORMATION

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

Not a hazardous substance; no special regulations

CLP Regulation (EC) No. 1272/2008 "Classification, Labelling and Packaging of Dangerous Substances and Mixtures": not applicable

**Marking:** all included materials are innocuous minerals appreciating the valid chemical laws or the valid orders of dangerous stuffs. Therefore marking is not necessary.

**State regulatory information:** dust concentrations at working areas are (nationally different) officially controlled, observe MAK-values of respective country.

#### **Substances hazardous to water:**

Classification according to the German Ordinance on Installations for the Handling of Substances Hazardous to Water (AwSV) of 18 April 2017: nwg (not hazardous to water)

### 15.2 Chemical safety assessment

For this substance a chemical safety assessment **has not been** carried out

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## 16. OTHER INFORMATION

### 16.1 Wording of the H and R-phrases under paragraph 2 and 3

**Regulation (EC) No 1272/2008:** This substance is classified as not hazardous according to Regulation (EC) No 1272/2008 (CLP).

### 16.2 Training instructions

The product should only be handled by persons over the age of 18, who were informed sufficiently about the dangerous nature of the product and about the necessary safety precautions.



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### 16.3 Further remarks

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.

### 16.4 Documentation of changes

Amendments from 2022-12-28:

Partial change of section titles

Section 2.3

Section 5.3

Section 7.3

Section 11.2

Section 12.6

Section 15.2

Amendment as of 2022-02-15:

Section 1.1 and 3.1

In order to differentiate with regard to REACH registration for the EU, natural graphite was listed at ECHA with the EC No. 928-876-8 and thus marked as not requiring registration.

Currently, graphite is only listed at ECHA under the CAS-/EC numbers listed in point 1.1.

### 16.5 Data sources

Data arise from reference works and literature.

### 16.6 Key and definition

None.

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