

47700 Graphite Powder, Silver

Edition: 31.01.2005

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY

Product Information:

Trade Name: Graphite Powder, Silver
Article No.: 47700
Application: Artists' and Restoration Material

Company: Kremer Pigmente GmbH & Co. KG
Hauptstrasse 41-47, D - 88317 Aichstetten
Tel. +49 7565 914480 Fax. +49 7565 1606
www.kremer-pigmente.de, kremer-pigmente@t-online.de

2. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical characterization:

CAS No.: 7782-42-5
EINECS No.: 231-955-3

3. HAZARDS IDENTIFICATION

Hazard designation: void
Information pertaining to particular dangers for man and environment: void

4. FIRST AID MEASURES

After inhalation: Take affected person immediately into fresh air. In case of complaints get medical help.
After skin contact: Wash off immediately with soap and water and rinse thoroughly.
After eye contact: Rinse open eye for 15 minutes under running water; in case of irritation consult physician.
After ingestion: Rinse mouth with plenty of water. Consult physician.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media: Foam, sand, CO₂, water.
Special hazards: Not flammable and not explosive.
Protective equipment: Wear self-contained breathing apparatus.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions: Dust mask recommended if very dusty.
Environmental precautions: No special measures required.

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Methods for cleaning up /
absorption: Clean-up mechanically and dispose accordingly.

7. HANDLING AND STORAGE

Handling:

Instructions on safe handling: Avoid dusting. Do not inhale dust. Do not eat or drink during work.

Information on fire and
Explosion protection: No special measures required.

Storage:

Requirements for storage
areas and containers: Store in a cool and dry area. Protect against direct sunlight and heat sources.

Advice on storage
compatibility: Do not store together with incompatible substances (oxidants, fluorine, halogen-containing solvents, potassium, potassium oxide).

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Additional information about design of technical systems: Provide adequate ventilation.

Components with critical values that require monitoring at the workplace: 6 mg/m³.

Personal protective measures:

Hygiene measures: Use the usual precautionary measures for handling hazardous, dusty products. Wash hands before each break and after work.

Respiratory protection: Provide adequate ventilation. Dust mask recommended if very dusty.

Hand protection: Not required.

Eye protection: Safety glasses recommended if very dusty.

Body protection: Not required.

9. PHYSICAL AND CHEMICAL PROPERTIES

Form: solid
Color: grey - black
Odor: none

Melting temperature: not determined
Boiling temperature: not determined
Flash point: not applicable
Explosion risk: none
Solubility in water: not soluble

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10. STABILITY AND REACTIVITY

Stability: Stable if handled according to specifications.
Products to be avoided: No hazardous reactions.

11. TOXICOLOGICAL INFORMATION

No toxicological or carcinogenic effects known with microcrystalline natural graphite. Product is not listed in ACGIH, MIOSH, NTP, IARC and is not classified as carcinogenic by OSHA. No irritating effects if ingested, inhaled or by skin contact.

12. ECOLOGICAL INFORMATION

Crystalline natural graphite is chemically inert, therefore not hazardous to the environment.

Water hazard classification: 0 (non hazardous)

13. DISPOSAL CONSIDERATIONS

In accordance with current regulations, product may be taken to a waste disposal site or incineration plant after consultation with site operator and/or with the responsible authority.

14. TRANSPORT INFORMATION

Non-hazardous goods.

15. REGULATORY INFORMATION

Labelling in accordance with EC-Regulations: The material is not subject to classification according to EC lists.

16. OTHER INFORMATION

This product should be stored, handled and used in accordance with good hygiene practices and in conformity with any legal regulations. This information contained herein is based on the present state of knowledge and is intended to describe our product from the point of view of safety requirements. It should therefore not be construed as guaranteeing specific properties.

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SOLUBLE METALS:

Tested according to ASTM D 5517-1/96 rev.

Heavy Metal	mg/l	Method
Antimony (Sb)	< 0,002	DIN 38 406 E 2 (AAS)
Arsenic (As)	0,002	DIN 38 405 D 18 (AAS)
Barium (Ba)	0,12	DIN 38 406 E 22 (ICP)
Beryllium (Be)	< 0,002	DIN 38 406 E 22 (ICP)
Lead (Pb)	0,007	DIN 38 406 E 6 (AAS)
Cadmium (Cd)	0,002	DIN 38 406 E 19 (AAS)
Chromium (Cr)	0,090	DIN 38 406 E 10 (AAS)
Cobalt	0,005	DIN 38 406 E 24 (AAS)
Copper	0,82	DIN 38 406 E 7 (AAS)
Manganese	0,31	DIN 38 406 E 22 (ICP)
Molybdenum	< 0,005	AAS
Nickel	0,095	DIN 38 406 E 11 (AAS)
Osmium	< 0,01	DIN 38 406 E 22 (ICP)
Mercury	< 0,02	DIN 38 406 E 12 (AAS)
Selenium	< 0,002	DIN 38 406 D 23 (AAS)
Silver	< 0,002	DIN 38 406 E 18 (AAS)
Thallium	0,002	AAS
Vanadium	0,020	DIN 38 406 E 22 (ICP)
Tin	0,008	AAS
Zinc	0,11	DIN 38 406 E 22 (ICP)