

58700 BLANC FIXE

Edition: 14.08.2003

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY/UNDERTAKING

Product Information:

Product Name: Blanc Fixe, PW 21-22
Article No.: 58700
Application: Artists' and Restauration Material

Company: Kremer Pigmente GmbH & Co. KG
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2. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Characterization: Barium sulfate BaSO₄

Concentration: 97.5 – 99 %
EEC-No. (EINECS): 231-784-4
CAS-Number: 7727-43-7

3. HAZARD IDENTIFICATION

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

4. FIRST AID MEASURES

After inhalation: Remove person to fresh air and clean nose and throat area.
After skin contact: No measures required.
After eye contact: Rinse open eye for several minutes under running water. If symptoms persist consult eye specialist.
After ingestion: No measures required.
Information for physician: Risk of a benign pneumoconiosis with specific radiological results without functional disorders.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media: All extinguishing agents are suitable.
Special risks: Not inflammable.
Protective equipment: Not necessary.

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6. ACCIDENTAL RELEASE MEASURES

Person-related safety measures: see section 8
Methods of cleaning/adsorption: Take-up product mechanically, Avoid the formation of dust. Fill into a closed, marked and adequate containers. Dispose according to section 13.
Environmental protective measures: Prevent product from getting into drains/surface water/groundwater.

7. HANDLING AND STORAGE

Handling:
Instructions on safe handling: Work in a well-ventilated area.
Avoid the formation of dust.
Follow the safety measures in section 8.
Storage:
Storage conditions: Store in the closed original packaging in a dry area.
Packaging material: Paper/PE
Paper

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Additional information about design of technical systems: Local exhaust; apply adequate measures according to the exposure limits.
Exposure limits: - Barium sulfate
- TLV (GCGIH-USA) 1989-99
- TWA = 10 mg/m³
- Comment: Total dust does not contain any asbestos and less than 1% of crystalline silicium dioxide.
Respiratory protection: In case of dust/smoke formation: use a dust respirator P1
Only use breathing apparatus in accordance to international/national norms.
Hand protection: Not required (when following the usual good standards of occupational hygiene).
Eye protection: Air-tight safety glasses recommended when a lot of dust is formed..
Body protection: Not required (when following the usual good standards of occupational hygiene).

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9. PHYSICAL AND CHEMICAL PROPERTIES

Form: powder
Color: white

Changes in physical state:
Melting point/Melting range: > 1350°C
Decomposition temperature: > 875°C
Flash point: not applicable
Inflammability: product is not inflammable
Danger of explosion: no data available
Vapour pressure: Comment: very weak
Density: 4.3
Bulk density: 600 - 1600 kg/m³
Solubility in water: 2.3 mg/l (18°C)
pH-value: 6 - 10 (saturated solution)
Partition coefficient (n-octanol/water): Not applicable
Particle size: > 0.8 mm
< 10 mm

10. STABILITY AND REACTIVITY

Stability: Stable when used according to specifications (see section 7).
Conditions to be avoided: not applicable
Hazardous decomposition products: sulphur dioxide(s)

11. TOXICOLOGICAL INFORMATION

Acute toxicity: LD₅₀, oral: >2000 mg/kg Species: rat
Irritant effect on the skin: no data available
Irritant effect on the eyes: May cause slight irritation.
Sensitization: No sensitizing effect known.
Chronic toxicity: Inhalation. After repeated exposition to rats, organ of observation: respiratory system, 40 mg/m³: no effect observed.
Toxicological evaluation: No significant toxicological effect.

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12. ECOLOGICAL INFORMATION

Acute ecotoxicity: Daphnia sp., EC 50, 48 hours, 32 mg/l
Result: The toxicity limit is higher than the solubility in water.

Mobility:

- Air: Result: Mobility in the form of solid aerosols.
- Water/earth: Result: Weak solubility and mobility.

Abiotic decomposition:

- Water/earth: Result: Inert product under normal ecological conditions.

Biotic decomposition: Result: Not applicable (inorganic product).

Bioaccumulation potential:

- Bioconcentration: Result: Possible cation accumulation.

Ecotoxicological evaluation: The product is not significantly dangerous for the environment.
Persistent product mainly in the inert form.

13. DISPOSAL CONSIDERATIONS

Product: Waste must be disposed of in accordance with national and local environmental control regulations. Incinerate or bury in a licensed facility.

Packaging: Containers which cannot be cleaned must be disposed of as waste and must be incinerated in a licensed facility.
Completely cleaning containers can be used again, recycled or disposed of in accordance with local regulations.

14. TRANSPORT INFORMATION

Transport/Additional information: Non-hazardous.

15. REGULATORY INFORMATION

Designation according to EC guidelines: The material is not subject to classification according to EC lists.

National Regulations (D):
Water hazard class: not hazardous for water.

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.