

46280 Buff TitaniumEdition: June 1997

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY

Product Information:

Product Name: Buff Titanium
Article No.: 46280
Application: Artists' and Restauration Material

Company: Kremer Pigmente GmbH & Co. KG
Hauptstrasse 41-47, D - 88317 Aichstetten
Tel. +49 7565 91120 Fax. +49 7565 1606
www.kremer-pigmente.de, kremer-pigmente@t-online.de

2. COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous Components:

(iron oxide as fume)	CAS No.	OSHA PEL	ACGIH TLV %
Titanium dioxide (TiO ₂)	1317-80-2	15 mg/m ³ , 10 mg/m ³	95
Silicon dioxide (cryst.SiO ₂)	14808-60-7	10 mg/m ³ -resp.-0.05mg/m ³	0,4
Ferric oxide (Fe ₂ O ₃)	1309-37-1	10 mg/m ³ -total-5mg/m ³	2.0

Note:

Iron oxide is not present in the form of fume

Crystalline silica which may be present in quantities greater than 0.1 % has been reviewed by IARC. IARC found limited evidence for carcinogenicity of crystalline silica in humans and sufficient evidence in experimental animals.

3. HAZARDS IDENTIFICATION

Route(s) of entry: primary
Inhalation: yes
Skin: no
Eye: yes
Ingestion: yes

Health Hazards (Acute and Chronic): Dust can cause lung irritation

Carcinogenicity: N/A

NTP: no

IARC Monographs: no

OSHA-regulated: no

Signs and symptoms of exposure: coughing, sneezing



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4. FIRST AID MEASURES

After inhalation: Take affected person into fresh air, in case of discomfort get medical help.
After skin contact: Immediately rinse with plenty of water and soap.
After eye contact: Immediately rinse with plenty of water for at least 15 min, consult physician.
After ingestion: Consult a physician if a large quantity is ingested.

5. FIRE-FIGHTING MEASURES

Flash point: non-flammable
Extinguishing media: As appropriate for surrounding combustibles. Does not burn or support combustion.
Special fire fighting procedures: Fire fighters should wear self-contained breathing apparatus.

6. ACCIDENTAL RELEASE MEASURES

Environmental precautions: Do not allow to enter drains or waterways - dispose of contaminated water / fire-fighting water properly.
Personal precautions: Material may be blown away as dust. Prevent spread of material and keep dust level down. Those involved in clean-up should use respiratory protection.
Methods for cleaning up/ absorption: Scoop up material or use vacuum technique and place in closed container.

7. HANDLING AND STORAGE

Handling: Use good, acceptable industrial hygienic practices. Avoid breathing dust. Use ventilation that will maintain exposure below recommended TLV.
Storage: Store in cool and dry place.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Respiratory protection (specify type): Use NIOSH / MSHA approved respirator in accordance with air contaminant standard.
Ventilation: Local Exhaust: Provide system to meet exposure limits.
Protective gloves: No special requirement, ordinary work type.
Eye protection: Safety glasses or vented safety goggles.
Protective clothing or



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equipment: No special clothing/equipment requirement. Wear easily washable, ordinary working clothes.
Work/Hygienic practices: Good industrial hygiene practices. Wash thoroughly with soap and water before eating, drinking or using tobacco products.

9. PHYSICAL AND CHEMICAL PROPERTIES

Form: fine powder
Color: beige
Odor: without

Boiling Point: 2500 - 3000°C
Specific Gravity: 4.1 (H₂O = 1)
Melting Point: about 1840°C
Solubility in Water: insoluble

10. STABILITY AND REACTIVITY

Stability: stable
Conditions to avoid: none in normal or expected use
Incompatibility: none in normal or expected use
Hazardous decomposition: none in normal or expected use
Hazardous polymerization: will not occur
Conditions to avoid: none in normal or expected use

11. TOXICOLOGICAL INFORMATION

Medical conditions generally aggravated by exposures:
Pulmonary irritation. Breathing or respiratory tract disease or disorder may be aggravated by exposure to dust from this product.

12. ECOLOGICAL INFORMATION

No ecological data available.

13. DISPOSAL CONSIDERATIONS

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



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14. TRANSPORT INFORMATION

Road transport / Marine transport / Air transport: non-hazardous goods

15. REGULATORY INFORMATION

Labelling in accordance with GefStoffV/EC: hazard warning labelling not compulsory

National regulations:

Water hazard class: 0

16. OTHER INFORMATION

This information, which describes our product with regard to possible safety requirements, is based on the present state of our knowledge and experience. It is given in good faith but no warranty expressed or implied with respect to the quality and properties of our product is made.