

45000 - Ultramarine Blue, very dark

Revised edition: 27.02.2009

1. Identification of the Substance/Preparation and of the Company/Undertaking

Identification of the Product

Product Name: Ultramarine Blue, very dark
Article No.: 45000
Use of the Substance/Preparation: Artists' and Restoration Material

Company

Company: Kremer Pigmente GmbH & Co. KG
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Internet: www.kremer-pigmente.de, kremer-pigmente@t-online.de
Emergency No.: +49 7565 91120, Mon-Fri 8:00 - 17:00

2. Hazard Identification

Additional information: This pigment is not considered to be hazardous material and does not endanger the environment.
Like with all mineral powders, long-term contact can cause respiratory problems.
Contact with acids releases hydrogen sulfide, an easily flammable and very toxic gas.

3. Composition/Information on Ingredients

Chemical Characterization: Sodium-aluminium-sulfo-silicate
Color Index: Pigment Blue 29: 77007
CAS: 57455-37-5 (101357-30-6)
EINECS (EU): 309-928-3
TSCA (USA): uses CAS 57455-37-5
AICS (AUS): uses CAS 57455-37-5
DSL (CN): uses CAS 57455-37-5
MITI (JP): 1-22

4. First Aid Measures

After inhalation: Take affected person to fresh air.
After skin contact: Wash with soap and rinse with plenty of water.
After eye contact: Rinse open eyes with plenty of water for at least 15 minutes. Consult physician.
After ingestion: The product is not toxic.

5. Fire-Fighting Measures

Suitable extinguishing media: All extinguishing agents suitable.
Protective equipment: Use self-containing breathing apparatus.
Special hazards: In case of fire: formation of sulfur dioxide.

6. Accidental Release Measures

Personal precautions: Wear protective clothing.
Environmental precautions: Do not discharge into drains, surface or ground water.

Environmental precautions: Avoid contact with acids!
Methods of cleaning/absorption: Take up mechanically and collect in suitable container for disposal.

7. Handling and Storage

Handling

Instructions on safe handling: Avoid formation and deposition of dust. Provide adequate ventilation.
Do not mix with acid substances.

Storage

Storage conditions: Store in tightly sealed containers in a cool and well ventilated location.
Storage compatibility: Do not store together with: acids and inflammable products.

8. Exposure Controls/Personal Protection

Additional information about design of technical systems: Provide adequate ventilation.
Components with workplace control parameters (Germany): VME (FR): 10 mg/m³ inhalable fraction
VME (FR): 5 mg/m³ airborne fraction

Personal protective equipment

General protective measures: Keep away from foodstuffs and drinks. Do not eat, drink or smoke during work. Wash hands before breaks and at the end of the shift.
Respiratory protection: Respiratory protection (e.g. FFP 1).
Hand protection: Not required
Eye protection: Safety glasses
Body protection: Protective clothing.

9. Physical and Chemical Properties

Form: powder
Color: blue
Odor: odorless
Flash point: not flammable
Explosion risk: Product does not present an explosion hazard.
Density: 2.35 g/m³
Solubility in water: insoluble
Solubility in solvents: Insoluble in organic solvents.
pH-Value: 7 - 9

10. Stability and Reactivity

Thermal decomposition/Conditions to be avoided: Loss of sulphur above 400°C.
Extremely stable up to 350°C.
Hazardous decomposition products: Sulphur dioxide in case of fire.

Hazardous decomposition products:

Hydrogen sulfide - in contact with acids.

11. Toxicological Information

Acute toxicity

LD50, oral: > 10000 mg/kg (rat)

Primary effects

Irritant effect on skin: Non irritating (rabbit)

Mutagenicity: No mutagenic effects observed.

12. Ecological Information

Further ecological effects: Ultramarines are synthetic products, similar to the natural rock Lapislazuli. They are extremely stable, except in acid environment which releases sulphur hydrogen.
Not considered to be environmentally harmful.

Further information

Water hazard class: 0

13. Disposal Considerations

Product: Dispose of according to official national and local regulations. Ultramarines cannot be disposed of were contact with acids is possible.

14. Transport Information

Further information: Not classified as a dangerous good under transport regulations.

15. Regulatory Information

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

Safety Phrases: S14 Keep away from ... (incompatible materials to be indicated by the manufacturer).

S29 Do not empty into drains.

Keep away from acids.

Water hazard class: 0, not hazardous

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 be therefore not be construed as guaranteeing specific properties.