

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

Identification of the Product

Product Name: Plextol® B 500
Article No.: 75600
Use of the Substance/Preparation: Artists' and Restoration Material

Relevant identified Uses of the Substance or Mixture and Uses advised against

Identified uses: Binding agent

Company

Company: Kremer Pigmente GmbH & Co. KG
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2. Hazard Identification

Designation according to EC Regulation No.1272/2008

GHS Classification This product does not require classification and labelling as hazardous according to CLP/GHS.

Designation according to EC Regulation No. 67/548 or No.1999/45

Hazard designation: The material is not subject to classification according to EC lists.

3. Composition/Information on Ingredients

Mixture :
Chemical Characterization: Aqueous dispersion of a thermoplastic acrylic polymer based on: methyl methacrylate and ethylacrylate. Concentration: about 50 %.
EINECS: The raw material of the polymer are listed in the EINECS.
Hazardous Ingredients: Ammonia solution (C, N; R34-50) <= 0.5 %
CAS-Nr: 1336-21-6 EINECS-Nr: 215-647-6 EC-Nr: 007-001-01-2

4. First Aid Measures

Description of the First Aid Measures

After inhalation: Supply fresh air.
After skin contact: Remove contaminated clothing.
Wash off immediately with plenty of soap and water and rinse thoroughly.
After eye contact: Rinse open eye for several minutes under running water. Should irritation continue, seek medical advice.

5. Fire-Fighting Measures

Extinguishing Media

Suitable extinguishing media: Product itself does not burn.
Foam, carbon dioxide (CO₂), extinguishing powder, water jet.

Special Hazards

Special hazards: In case of fire: hazardous gases/vapours may be released.

Fire-Fighting Measures:

Protective equipment: Wear self-contained respiratory protective device.

6. Accidental Release Measures

Personal Precautions and Protective Measures

Personal precautions: Wear appropriate protective equipment. Keep spectators away.

Environmental precautions: Prevent contamination of soils, drains and surface water.
Risk of clogging in case of polymer precipitation.

Methods of cleaning/absorption: Contain mechanically or with absorbent material and dispose accordingly.
e.g. universal binder, diatomaceous earth, sand

7. Handling and Storage

Handling

Instructions on safe handling: The usual precautionary measures are to be adhered to when handling chemicals.

Information on fire and explosion protection: No special measures necessary.

Storage

Storage conditions: Store in a cool and dry place.
Maximum storage temperature: < 40°C.

Protect from frost.

Storage class (VCI): 12; Non-combustible liquids.

8. Exposure Controls/Personal Protection

Technical protective measures: Provide adequate ventilation.

Personal Protective Equipment

General protective measures: The usual precautionary measures are to be adhered to when handling chemicals.

Avoid contact with eyes and skin.

Remove contaminated clothing immediately.

Respiratory protection: In case of formation of dust/vapour.

Respiratory equipment required in case of insufficient ventilation, filter type A.

Hand protection: Protective gloves made of rubber.

Protective gloves should be changed regularly, especially after intensive contact with the product.

Protective glove material: Suitability and durability of a glove is dependent on usage, e.g. frequency and duration of contact, chemical resistance of glove material and dexterity. Always seek advice from glove suppliers.

Eye protection: Safety glasses

Body protection: Protective clothing.

9. Physical and Chemical Properties

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General Information

Form:	liquid
Color:	whitish
Odor:	ammoniacal
Melting temperature:	not determined
Boiling temperature:	ca. 100°C (1013 hPa)
Ignition temperature:	not applicable
Explosion risk:	Product does not present an explosion hazard.
Vapor pressure:	ca. 23 hPa (20°C)
Density:	1.07 g/cm ³ (20°C)
Solubility in water:	dilutable
pH-Value:	9.5 - 10 (20°C)
Viscosity dynamic:	1100 - 4500 mPa.s (Brookfield)

10. Stability and Reactivity

Reactivity:	No decomposition if used according to specifications.
Chemical stability:	The product is stable.
Réactions dangereuses:	None if handled and stored according to specifications.
Conditions to be avoided:	Protect from frost.

11. Toxicological Information

Acute Toxicity

LD50, oral:	> 5000 mg/kg (rat)
Further toxicological effects:	By analogy with a product of similar composition.

12. Ecological Information

Persistency and Degradability:	Can be eliminated from water by chemical adsorption.
Bioaccumulation:	No information available.
Mobility:	No information available.
Further ecological effects:	No ecological data available.

Further information

Water hazard class:	1
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13. Disposal Considerations

Methods

Product:	In accordance with current regulations, product may be taken to an incineration plant.
Uncleaned packaging:	Dispose of according to official local regulations.

14. Transport Information

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



National Regulations (D)

Local regulations on chemical accidents: Not listed in Appendix I (Accident Ordinance).

Water hazard class: 1, slightly hazardous for water

Chemical safety assessment

Chemical safety assessment: No information available.

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.