

HEALTH and SAFETY INFORMATION



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White Powder

Colour: White

Contents: Titanium Dioxide, Kaolin Powder, Purified Talc

Information for Titanium Dioxide

Occupational Exposure Limits: - EH 40 Listed Substances 8 Hour TWA
Titanium Dioxide (TiO₂) Total inhalable dust 10 mgm - 3
(TWA = Time weighted Average) Respirable Dust 5 mgm - 3



TRANSIT PACKAGING
5 INDUSTRIAL PROTECTION
MATERIALS

Safe Handling Advice

Storage Normal chemical storage

Handling: Normal laboratory protective clothing including eye protection. If dust is likely to be a problem effective dust extraction/dust masks.



First Aid Procedures

Eyes: Irrigate thoroughly with running water to remove particulate matter.

Skin: Wash skin thoroughly with water. If a rash develops then seek medical advice.

Ingestion: Give plenty of water to drink and wash out mouth thoroughly with water. In severe cases obtain medical advice.

Aspiration: N/A

Inhalation: Remove to fresh air, rest and keep warm. If discomfort persists seek medical advice.



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Fire Protection Information

Flash Point (test method) N/A

Suitable Extinguishing Media Use extinguishers suitable for the combustible material in the fire

Hazardous decomposition/
combustion products Do not use hydrogenated hydrocarbon type extinguishers as toxic fumes could be produced.

Protection of the Environment

Behaviour in water Insoluble

Spillage Sweep up avoiding creating excess dust and transfer to containers for disposal.
Wash area thoroughly with water.

Waste disposal As local regulations permit.

INFORMATION for Kaolin Powder

Product Identification

Chemical Name: Hydrated aluminium silicate

Trade Name: Kaolin.

Chemical Family: Inorganic pigments

Formula: Mainly $\text{Al}_2\text{O}_3 \cdot 2\text{SiO}_2 \cdot 2\text{H}_2\text{O}$

Physical Data

Description: Solid, odorless, white powder

Melting Point: No data **Boiling Point:** N/A

Apparent Density: ca. 2,7 g/m³

Solubility In

Water: Not soluble

Fire and Explosion Data

Fire and explosion

hazard: None, product is non-flammable.

Toxicity

Toxicity: no data.

TLV: no data.

Effects of overexposure: no data.

Emergency and First Aid Procedures

No data.

Reactivity

Reactivity: Stable
Incompatible with: No data
Hazardous Decomposition Products: None
Polymerization: Will not occur.

Storage and Handling

Storage Conditions: Dry, normal storage conditions. Treat as for normal commercial dyestuff. In case of spills: collect surplus material and flush away residue.

Special Protection Information

Local Exhaust: Preferable
Respiratory Protection: Dust mask.
Gloves: Rubber or plastic.
Other Protective Equipment: Overall or boiler suit.
Eye protection: Goggles

Waste Disposal

Disposal in accordance with local or national regulations as for mineral pigments.

NOTE: The above Safety Data for Titanium Dioxide Powder is primarily for people who use it frequently and in great quantity. Once diluted with other powders any possible risks are also reduced.

Purified Talc is a non hazardous substance.