

C.I. 77019
77491
77891

Chemical Varieties	Inorganic compound
Chemical Components	Mica, titanium dioxide, ferric oxide.
Shape	Dry, free-flowing powder
Pack size	25 kg/drum
Particle size range	10-60 μ m, 93% of particle-size concentrated within the standard particle-size range.
TiO ₂ -modification	Anatase
Content	Mica: 53-63% TiO ₂ : 16-22% Fe ₂ O ₃ : 21-25%
Interference color	Golden luster, bright gold effect
Density	3.0-3.3 g/cm ³
Bulk density	35-40 g/100ml
Oil absorption	60-70 g/100g
Heat stability	No change at 800 °C ,noncombustible and non-self-ignite.
Solubility	No soluble in water or solvent
Water containing quantity:	≤ 0.5%
PH-value	6-9(4% aqueous suspension)
Chemical resistance	Acid and alkali resisting
Heavy metal content	As. < 2 Ba. < 3 Cd. < 3 Cr. < 3 Hg. < 1 Pb. < 3 Sb. < 3 Se. < 3
CAS-No.	TiO ₂ 13463-67-7 Mica 12001-26-2 Fe ₂ O ₃ 1309-37-1
Color Index-No.	TiO ₂ 77891 Mica 77019 Fe ₂ O ₃ 77491
Weather resistance	More than 600 hours by man-made aging testing

MSDS

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MSDS Number: 228320 **Effective Date:** 2004.02.28

1. Product Identification

Synonyms: Pearl powder

CAS No.: Mica: 12001-26-2 TiO₂: 13463-67-7 Fe₂O₃: 1309-37-1

Chemical Formula: TiO₂ / and Al₃KH₂(SO₄)₃ / Fe₂O₃

Product Codes: KC 320

2. Composition/Information on Ingredients

Substance? Y/N : if "Y" then substance name: Mica, Ferric Trioxide & Anatase
titanium dioxide

Mica : 54%, TiO₂ : 22%, Fe₂O₃: 24%

CAS number: Mica: 12001-26-2 TiO₂: 13463-67-7 Fe₂O₃: 1309-37-1

3. Hazards Identification

Toxicity: No toxicity, and no stimulative effects on skin and mucous membrane.

Heavy metal content: in ppm As. 2; Ba. 3; Cd. 3; Cr. 3; Hg. 1; Pb. 3; Sb. 3; Se. 3;

The most important hazards are: powder with productions

4. First Aid Measures

Immediate medical attention required? Y/N : N

Professional assistance from physician required? Y/N : N

Summary of first aid is as follows:

Inhalation: It does not need the first aid measures because they are avirulent and non-irritant,
you should see the doctor if you have inhaled too much.

Skin contact: You can wash off with water after contact.

Eye contact: You can wash off with water after contact at once.

Ingestion: It does not need the first aid measures because they are avirulent and non-irritant,

you should see the doctor if you have ingested too much.

5. Fire-Fighting Measures

Suitable extinguishing media: It is noncombustible and non-self-ignite, the poisonous matter can not be released by burning, so it does not need the fire-fighting measures.

Unsuitable extinguishing media: /

Special exposure hazards in fire: /

Required special protective equipment for fire fighters: /

6. Accidental Release Measures

Personal precautions: It is necessary to equip you with a spirator to avoid to inbreathe.

Environmental precautions: Control the flying of pearl pigments powder

Methods for cleaning: You can clean it up directly with water.

7. Handling and storage

Handling: Railage \ autocar conveyance\Avigation transportation\Packing non-dilapidation\
Moistureproof

Storage: hold dryness

8. Exposure Controls

Take measures to prevent: install dust equipment

Exposure control limits and source: regular

Respiratory protection: It is necessary to equip you with a respirator to avoid to inbreathe.

Hand protection: unnecessary

Skin protection: unnecessary

Eye protection: equip you with a blinder to against dust

9. Physical and Chemical Properties

Appearance: An gold, free flowing powder with a pearly reflection.

Odour: naught

PH□7~10 (4% aqueous suspension)

Boiling point/boiling point range: not available
Melting point/melting point range: not available
Flashpoint(□)show closed or open cup: naught
Flammability (gas/solid): noncombustible
Auto-flammability: non-self-ignite
Explosive properties: naught
Oxidizing properties: naught
Vapour pressure: naught
Relative density: Approximately 3.0 g/cm³ (incompact density 0.15~0.16g/cm³)
Solubility (water and fat): No soluble in water or solvent
Chemical resistance: acid and alkali resisting.

10. Stability and Reactivity

Conditions to avoid: naught. It has a good stability in the condition of chemical (like Water/impregnant/acid/alkali etc.)and high temperature, the reaction on other matters is insoluble.

Materials to avoid: naught

Hazardous decomposition products: naught

11. Toxicological information:

Concise description of toxicological properties follows, including any special health effects of constituents: It is avirulent and has a good stability in the condition of chemical (like the water/impregnant/acid/alkali etc.). There are not any deleterious matters. Even now, you should avoid to inbreathe to the best of your abilities because it is hard to be absorbed and decomposed for your body.

12. Ecological Information

Possible effects: A great lot of rise can increase the powder consistence in the air.

Behavior: It is easy to rise along with the air current.

Environmental fate: the pollution of powder

Note: Consider mobility, degradability, accumulation, and short and long term effects.

Note: For preparations, indicate data relevant to constituent substances classified as dangerous for the Environment.

13. Disposal Considerations

Likely residues/waste product (if any): naught

Safe handling of any waste products: naught

14. Transport Information

Special carriage precautions in carriage (on-site or externally): To tie up the packing bag against dampness

15. Other information

Label requirements

Label Required: YES

Common Name:

Chronic Hazard: NO

Acute Health Hazard-Slight: naught

Contact Hazard-Slight: naught

Fire Hazard-None: naught

Reactivity Hazard-None: naught

Special Hazard Precautions: PARTICULATE DUST HAZARD

MOUTH MAY RESULT FROM EXCESS DUST. CHRONIC: NONE LISTED BY MANUFACTURER.

Protect Eye: Y

Protect Skin: Y

Protect Respiratory: Y

Label Name:

Label Street:

Label City:

Label State:

Label Zip Code:

Label Country:

16. Notice to Reader

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