

PEARLESCENT PIGMENT MATERIAL SAFETY DATA SHEET (MSDS)

Distributors Name: Esoteric mineral solution pvt ltd

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SECTION 1 - CHEMICAL PRODUCT AND IDENTIFICATION

Product class: Pearlescent Pigments.

Product names:

- Interference Pearlescent Pigments.
- Colour Pearlescent Pigments.
- Cosmetic Colour Pearlescent Pigments (Cosmetic Quality).

In a container the powders range in colour from whitish to bright colours to tiny sparkling particles that appear similar to glitter. The powders range in particle size from 5 microns (fine powder) to 1000 microns (glitter-like particles). All powders contain a range of particle sizes.

Pearlescent Pigments stated as being "Cosmetic Quality" have every batch tested as per FDA and EU cosmetic colourant requirements. A separate Technical Data Sheet is available for all cosmetic quality pigments.

Pigments not specifically identified as "Cosmetic Quality" are only meant for Arts, Crafts and Industrial applications.

Manufacturers: Esoteric Mineral Solutions Pvt Ltd

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SECTION 2 - COMPOSITION, INFORMATION ON INGREDIENTS

This MSDS covers a wide range of dry pigment powders that are based on plate shaped particles of natural mica. These plate shaped particles are coated with a variety of chemicals.

Interference Pearlescent Pigments:

- Based on natural mica.
- Coated with Titanium Dioxide (TiO₂).

Colour Pearlescent Pigments:

- Based on natural mica.
- Coated with Titanium Dioxide (TiO₂) as well as other chemical compounds.

SECTION 3 - HAZARDS IDENTIFICATION

These products are considered to be a non-hazardous substance:

Inhalation: DO NOT BREATHE DUST. Some agencies have listed these sort of products as potentially carcinogenic. Use dust protection mask when handling.

Eye: May cause irritation.

Skin: Usually no irritation from casual handling but non-cosmetic pigments may cause irritation.

Ingestion: May cause irritation. Do not ingest the powder.

Chronic: None.

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SECTION 4 - FIRST AID MEASURES

Eyes: Flush with water for 5 minutes.

Skin: Wash with water.

Ingestion: Drink quantities of water and induce vomiting cause irritation.

Inhalation: Remove to fresh air.

Notes to Physician: None.

*Contact Physician if any effects of exposure remain after initial actions.

SECTION 5 - FIRE FIGHTING MEASURES

These products will not burn:

Dangerous character: Non-dangerous.

Combustible composition: None.

Extinguishing Media: Use extinguishing agent suitable for surrounding fire.

*Use appropriate techniques to fight surrounding fire.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

Person-related safety precautions:

- Wear protective equipment e.g. dust mask. Keep unprotected persons away.

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Measures for environmental protection:

- Do not allow material to be released to the environment without proper governmental permits.

Measures for cleaning/collecting:

- Spills/Leaks: Sweep up powder that may be spilt and put it in plastic bag and seal it.
- Dispose of contaminated material in accordance with local regulations.

SECTION 7 - HANDLING AND STORAGE

Handling:

- Avoid excess skin contact.
- Avoid breathing dust; wear a dust mask. Dust masks for non-hazardous materials and capable of filtering out all particles over 2 microns in size.
- If handling on large scale such as decanting or use on a scale larger than for normal arts and crafts then an air extraction and filtration system is recommended.

Storage: Keep container sealed. (*No other special precautions are necessary if used correctly)

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SECTION 8 - EXPOSURE CONTROLS, PERSONAL PROTECTION

When working with large quantities use following Engineering Controls:

- Properly operating dust extraction hood having an average face velocity of at least 100 feet per minute.

When working with large quantities use following PPE:

- Properly operating dust extraction hood having an average face velocity of at least 100 feet per minute.

When working with small quantities e.g. arts and crafts applications, use following PPE:

- Dust masks for non-hazardous materials and capable of filtering out all particles over 2 microns in size. As we sell these pigments on an arts and crafts scale (and not on an industrial scale) we have not listed specific exposure limits. For decanting from larger to small units take specific care to avoid breathing dust. If you intend to use these pigments on an industrial scale you will need to become familiar with specific exposure limits applicable to your country.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Physical State: Solid.

Colour: In a container the powders range in colour from whitish to bright colours to tiny sparkling particles that appear similar to glitter.

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Odour: None.

pH: Approximately 7.

Vapour Pressure: NA.

Viscosity: NA.

Freezing/Melting Point: NA.

Auto-ignition Temperature: Not determined.

Flash Point: NA.

Explosion Limits, lower: NA.

Explosion Limits, upper: NA.

Decomposition Temperature: NA.

Solubility in water: Insolubility.

Specific Gravity/Density: NA.

SECTION 10 - STABILITY AND REACTIVITY

Chemical Stability: Relatively Stable. Do not mix with high shear. High shear mixing can damage the particles thus reducing their lustre

Conditions to avoid: While the pigments are stable in mediums that they are likely to mixed into, they may not all be stable in strong acids, bases or oxidising agents. Our Pearlescent Pigments are stable up to 900oC.

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SECTION 11 - TOXICOLOGICAL INFORMATION

No toxicological information.

SECTION 12 - ECOLOGICAL INFORMATION

No Ecological information.

SECTION 13 - DISPOSAL CONSIDERATIONS

Dispose in accordance with state and local regulations.

SECTION 14 - TRANSPORT INFORMATION

Not a hazardous material for transportation.

Hazard class: None.

ADR/RID class: None.

IMDG class: None.

ICAO/IATA: None.

MSDS Compiled by and Revision Date

Name: Abey Thomas

Revision Date: 09 September 2024

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