

PEARLESCENT PIGMENT MATERIAL SAFETY DATA SHEET (MSDS)

Distributors Name: Bastion Paint cc

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SECTION 1 - CHEMICAL PRODUCT AND IDENTIFICATION

Product class: Pearlescent Pigments

Product names: Interference Pearlescent Pigments

Colour Pearlescent Pigments

Colour Shift Pearlescent Pigments (Cosmetic Quality)

Cosmetic Colour Pearlescent Pigments (Cosmetic Quality)

Cosmetic Diamond 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: Not Disclosed

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, synthetic mica or borosilicate glass. These plate shaped particles are coated with a variety of chemicals.

Interference Pearlescent Pigments

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

Colour Pearlescent Pigments

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

Colour Shift Pearlescent Pigments (also called Chameleon Pigments)

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

Cosmetic Diamond Pearlescent Pigments

- Based on Borosilicate Glass
- Coated with Titanium Dioxide (TiO₂).

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

SECTION 4 - FIRST AID MEASURES

Eyes: Flush with water for 5 minutes

Skin: Wash with water

Ingestion: Drink quantities of water and induce vomiting

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

Use appropriate techniques to fight surrounding fire.

Extinguishing Media: Use extinguishing agent suitable for surrounding fire.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

Person-related safety precautions:

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

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.

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:

- Use Personal Protective Equipment: Plastic or neoprene gloves, Proper breathing apparatus and Lab coat.

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.

Odour: None

pH: Approximately 7

Vapour Pressure: NA

Viscosity: NA

Boiling Point: Not determined

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 900°C.

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 class: None

MSDS Complied by and Revision Date

Name: Brian Quicke

Revision Date: 05 August 2020

Title: Member (BSc Chemistry, honours)

Signature: _____