

MATERIAL SAFETY DATA SHEET

page 1

Date: 2014-3-21

Hazard Ratings: Health — 1
none→extreme Fire — 1
0 — — →4 Reactivity — 0

1. Identification of the substance and information of the company

1.1 Product name: FLUORESCENT PIGMENT
ZQ-SERIES

1.2 Manufacturer: Dongguan fluorescent Fine Chemical Co. Ltd.

1.3 Emergency phone numbers:

2. Composition and information on the ingredients

Chemical composition Polycondensation resin of melamine, paraformaldehyde and colored with synthetic dyestuffs.

3. Hazards for health and environment

Health: Products are considered to be non-toxic.

Environment: No specific hazards.

4. First aid measures

General advice: Remove contaminated clothing

Eyes Flush with water while holding eye lid open. Consult a physician if irritation persists.

Skin: Wash with water and soap.

Inhalation: Remove to fresh air. Treat symptoms. Consult a physician after considerable exposure.

Ingestion: Rinse mouth. Do not induce vomiting. Consult a physician and empty stomach in cases of significant ingestion.

5. Fire fighting measures

Suited extinguishing media: Water , foam , CO₂

Unsuitable extinguishing media: No special restrictions

Special hazards: Finely divided dust may cause dust explosion. Fumes released on burning are toxic.

Special protective equipment for firefighters: Clear area of personnel. Wear self-breathing apparatus.

Special methods: No specific information.

6. Accidental release measures

Personal precautions: No special handling other than good hygienic practices as employed with any industrial chemical substance.

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Environmental precautions: Do not drain in the sewer.

Methods for clean-up: Sweep up with sand or any other absorbing material. Dispose as any dust or dirt.

7. Handling and storage

Handling: No special handling other than good hygienic practices as employed with any industrial chemical substance.

Fire and explosion precautions: Avoid dust formation. Dust explosion may be ignited by sparks.

Storage: Keep packaging well closed in a dry place. Avoid extreme temperatures.

8. Exposure control and personal protection

Personal protection equipment:

Inhalation: Dust mask

Hands: Gloves

Eyes: Safety glasses or goggles

Skin and body: Closed clothing

Additional measures: Good hygienic practice as employed with any industrial chemical.

9. Physical and chemical properties

Physical form: Colored powder

Odor: None

pH: 7-10.5(5g/100c water with wetting agents , 5g/100c

Boiling point: Not applicable

Melting point: $\geq 150^{\circ}\text{C}$ (softening)

Flash point: Not applicable

Explosion limits: $p(\text{max})=9 \text{ bar};(dp/dt)_{\text{max}}=775 \text{ bar/s};K(\text{st})=210 \text{ bar.m/s}$

Explosion class: St.2

Vapour pressure: Not applicable

Specific weight: 1.36 g/ml

Bulking value: 0.4 kg/l(freshly ground)

Solubility in water: Not soluble

Viscosity: Not applicable

10. Stability and reactivity

Stability: Product is stable

Conditions/materials to avoid: Excessive dust in vicinity of sparks. Extreme heat and contact with strong oxidizers

Hazardous reactions: No hazardous reactions known

Hazardous decomposition products: Fumes on burning contain oxides of carbon, nitrogen and sulfur

11. Toxicity

Acute oral toxicity LD50: $> 5000 \text{ mg/kg}$ (rats)

Eye irritation: Non irritating

Skin irritation: Non irritating

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12. Ecological information

Persistency and degradability: Product is insoluble in water

Ecotoxicity effects: Do not drain in the sewer

13. Disposal considerations

Products: In accordance with local/national regulations

Packaging: In accordance with local/national regulations

14. Transport information

UN-number: Not applicable

Road transport ADR/RID: Free

Inland waterways ADR/ADNR: Free

Maritime transport IMDG Free

Air transport IATA/DGR: Free

15. Regulatory information

Risk and danger assessment according to 67/548/EEC and 1999/45/EC:

Product is NOT classified as hazardous substance/preparation.

Symbols: not applicable

R-phrases: not applicable

S-phrases: not applicable.

16. Other information

Color index: There are no C.I number/classes assigned to this fluorescent pigment series.

The information contained herein is based on our present state of knowledge and experience. It does not reflect the needs of every situation, neither relates to the use in combination with any other material or in any process. Employers should use the given data as supplementary information, and should determine, independently the suitability of the product to assure proper use, safety and health requirements.