

# 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  
Z-SERIES

**1.2 Manufacturer:** Dongguan fluorescence Fine Chemical Co. Ltd.

**1.3 Emergency phone numbers:**

## 2. Composition and information on the ingredients

**Chemical composition** Polyamide resin, 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 , CO<sub>2</sub>

**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:**  $\geq 130^{\circ}\text{C}$ (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:** 1.20 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.