

MATERIAL SAFETY DATA SHEET (MSDS)

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Applicant Name : FOSHAN JULIANG PHOTOLUMINESCENT PIGMENT CO.,LTD

Applicant Address : NO.4 Workshop,Shinan Village committee,Xiaotang Office,
Shishan Town,Nanhai district,Foshan City,Guangdong Province

Product Name : Glow powder

Report No. : RT20250430004

Received Date : 2025-4-29

Redact Period : 2025-4-29 to 2025-4-30

Regulatory Requirements : As requested by the applicant, the Material Safety Data Sheet is prepared according to Globally Harmonized System of Classification and Labelling of Chemicals (GHS)Rev_10.

DONGGUAN RUITONG TESTING TECHNOLOGY SERVICE CO., LTD.



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SECTION 1. Identification of the substance/preparation and company

1.1 Product Name : Glow powder

1.2 Model No. : /

1.3 Recommended Use : Coating, injection, printing

1.4 Applicant Name : FOSHAN JULIANG PHOTOLUMINESCENT PIGMENT CO.,LTD

1.5 Applicant Address : NO.4 Workshop,Shinan Village committee,Xiaotang Office,Shishan Town,Nanhai district,Foshan City,Guangdong Province

1.6 Manufacturer Name : FOSHAN JULIANG PHOTOLUMINESCENT PIGMENT CO.,LTD

1.7 Manufacturer Address : NO.4 Workshop,Shinan Village committee,Xiaotang Office,Shishan Town,Nanhai district,Foshan City,Guangdong Province

1.8 Manufacturer Tel / Fax : 86-13380245800

1.9 Manufacturer Email : juliang3688@163.com

1.10 Emergency Phone : /

SECTION 2. Hazards identifications

2.1 Hazard Classification of substance or mixture(GHS):

Acute toxicity, oral category 4

Skin corrosion/irritation category 2

Serious eye damage/eye irritation category 2A

Acute toxicity, inhalation category 4

Specific target organ toxicity, single exposure; Respiratory tract irritation category 3

Reproductive toxicity category 1B

2.2 Pictograms:

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2.3 Signal word:

Danger

2.4 Hazard description:

H302:Harmful if swallowed

H315:Causes skin irritation

H319:Causes serious eye irritation

H332:Harmful if inhaled

H335:May cause respiratory irritation

H360:May damage fertility or the unborn child

2.5 Precautionary description:

P203:Obtain, read and follow all safety instructions before use.

P261:Avoid breathing dust/fume/gas/mist/vapours/spray.

P264+P265:Wash hands and face thoroughly after handling.Do not touch eyes.

P270:Do not eat, drink or smoke when using this product.

P271:Use only outdoors or in a well-ventilated area.

P280:Wear protective gloves/protective clothing/eye protection/face protection.

SECTION 3. Composition / information on ingredients

The difference between the single product and mixture: Mixture

Substance name	Conc. (%)	CAS.
Strontium Carbonate	55.00-60.00	1633-05-2
Aluminum Oxide	24.00-36.00	1344-28-1
Dysprosium Oxide	1.50-2.50	1308-87-8
Europium Oxide	1.00-2.00	1308-96-9

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Product Image

SECTION 4. First aid measures

General advice: Immediate medical attention is required. Show this safety data sheet (MSDS) to the doctor in attendance.

4.1 Following eye contact:

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately consult a physician if feeling uncomfortable.

4.2 Following skin contact:

Immediately remove contaminated clothing and rinse skin with soap and water. Immediately consult a physician if feeling uncomfortable.

4.3 Following inhalation:

Move victim into fresh air. If breathing is difficult, give oxygen. If not breathing, give cardiopulmonary resuscitation and consult a physician immediately.

4.4 Following ingestion:

If it is ingested, rinse the mouth with water. Seek medical attention immediately.

SECTION 5. Firefighting measures

5.1 Special hazards arising from the substance or mixture:

Not considered to be a fire hazard. Not easily ignited by fire.

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5.2 Extinguishing Media:

Dry powder, Chemical foam, Carbon dioxide, water mist.

5.3 Advice for firefighters:

As in any fire, wear self-contained breathing apparatus(MSHA/NIOSH approved or equivalent)and full protective gear.

Extinguish fire in a safe distance with enough protection

Prevent fire extinguishing water from contaminating surface water or the ground water system.

5.4 Hazardous combustion products:

No data available.

SECTION 6.Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures:

Avoid contacting with eye and skin.

Ensure adequate ventilation.Clear all fire points.

Evacuate personnel to safe areas. Keep people away from upwind of spill/leak.

Wear appropriate protective measures (SEE SECTION 8).

6.2 Environmental precautions:

Do not empty into drains. If the product contaminated lakes, rivers or sewages, inform appropriate authorities in accordance with local regulations.

6.3 Cleaning method:

Remove by vacuum cleaner. Avoid dust. Disposal of discarded waste/pollutants refer to SECTION 13.

SECTION 7. Safe handling and storage

7.1 Handling Notes:

Closed operation.

Keep away from fire and heat.

Avoid sun exposure.

Avoid generating dust.

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Keep indoor ventilation or local exhaust device.

When handling, load and unload with care to prevent damage to packaging and containers.

Equipped with leakage emergency treatment equipment.

7.2 Storage Notes:

Keep away from fire and heat.

Store in a cool, ventilated place.

The storage area should be equipped with suitable materials to contain the leakage.

Stored in compatible containers.

Keep storage containers sealed.

Do not store with food containers or incompatible materials (see section 10.2)

SECTION 8. Exposure controls / personal protection

8.1 Occupational Exposure Limit:

No information found

8.2 Engineering Control:

Keep substances sealed during production and keep indoor ventilation. Where reasonably practicable, this should be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations of particulates and solvent vapour below the OEL, suitable respiratory protection must be worn.

Ensure that eyewash stations and safety showers are proximal to the work-station location.

8.3 Respiratory Protection:

Wear filter mask.

If exposure limits are exceeded or if irritation or other symptoms are experienced, use a full-face respirator with multi-purpose combination (US) or type AXBEK (EN 14387) respirator cartridges.

8.4 Eyes Protection:

Wear protective goggle in working time. (Comply with the European Union EN 166 or The U.S. NIOSH standard.) If contacting with eyes, flush with plenty of water, If you have discomfort, seek medical advice

8.5 Hands Protection:

Wear protective gloves (such as butyl rubber), passing the tests according to EN 374(EU), US F739 or

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AS/NZS 2161.1 standard.Wash with plenty of water if gloves puncture or skin exposure.

8.6 Sanitary Measure:

Forbid smoking, eating and drinking in working places. Washing hands after handling products.

SECTION 9. Physical and chemical properties

Appearance and Color	Colorless powder
Odour	Odorless
PH value	No Data
Flammability	Non flammable
Flash point(°C,Closed cup)	No Data
Boiling point(°C)	No Data
Freezing point (°C)	No Data
Density(g/cm³)	No Data
Relative steam density (air = 1)	No Data
Vapor pressure(MPa)	No Data
Octanol/water partition coefficient	No Data
Viscosity (mPa/s)	No Data
Evaporation rate (kg/s)	No Data
UEL %(V/V)	No Data
LEL %(V/V)	No Data
Auto-ignition temperature(°C)	No Data
Decomposition temperature(°C)	No Data
Solubility	Insoluble in water

SECTION 10.Stability and reactivity

10.1 Stability:

Stable under recommended storage and handling conditions (See section 7).

10.2 Material for avoiding:

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Strong oxide, acid and alkali.

10.3 Contact conditions for avoiding:

Fire,High temperature.

10.4 Hazardous decomposition products:

No data available

SECTION 11. Toxicological information

11.1 Acute toxicity:

No information found.

11.2 Skin corrosion/irritation:

Causes skin irritation

11.3 Serious eye damage/irritation:

Causes serious eye irritation

11.4 Respiratory or skin sensitisation:

May cause respiratory irritation

11.5 Germ cell mutagenicity:

No information found.

11.6 Carcinogenicity:

No information found.

11.7 Reproductive toxicity:

May damage fertility or the unborn child

11.8 STOT-single exposure:

No information found.

11.9 STOT-repeated exposure:

No information found.

11.10 Aspiration hazard.:

No information found.

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SECTION 12. Ecological information

12.1 Ecotoxicity:

According to the environmental protection laws, this product can't be poured into sewers or drainage ditches, can't be discarded in those places which would affect soil and underground water.

12.2 Persistence and degradability:

No data available.

12.3 Bioaccumulative potential:

No data available.

12.4 Mobility in soil:

No data available.

12.5 Other adverse effects:

No data available

SECTION 13. Disposal considerations

13.1 Handling method for waste:

Handling waste according to the local regulations. Contact specific waste disposal company or companies recommended by local laws.

13.2 Handling method for uncleaned packaging:

According to official regulations.

SECTION 14. Transport information

IMDG,ICAO/IATA,ADR/RID 14.1 UN NO.: Not classified

IMDG,ICAO/IATA,ADR/RID 14.2 Class: Not classified

IMDG,ICAO/IATA,ADR/RID 14.3 Packaging group: Not classified

IMDG,ICAO/IATA,ADR/RID 14.4 Technical name: Not classified

IMDG,ICAO/IATA,ADR/RID 14.5 Label: Not classified

14.6 Attention Notes: Gentle with, prevent collision drag and dump.Prohibition with antioxidant and food chemical mixed stowage,transit should prevent sun、 fire、 rain and high temperature.

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SECTION 15. Regulatory information

Hazardous chemicals catalog
International maritime dangerous goods code
Dangerous Goods Number Of United Nations
Technical Instructions for the Safe Transport of Dangerous Goods by Air
Classification and code of dangerous goods
Occupational Safety and Health Act (OSHA)
The principle of classification of transport packaging groups of dangerous goods
Globally Harmonized System of Classification and Labelling of Chemicals
In accordance with all local laws.

SECTION 16. Other information

Disclaimer

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