

Safety Data Sheet
According to Hazard Communication Standard (29 CFR 1910.1200)

Photoluminescent Rubble

Version 1.0

Issue date: 11/18/2020

Revision date: 11/18/2020

SDS record number: CSSS-TCO-010-142879

1. Identification

Product name Photoluminescent Glass Rubble

Synonyms -

CAS # See section 3

Product code -

Product use Not available

Manufacturer/Supplier

Supplier(Manufacturer): ZHEJIANG MINHUI LUMINOUS TECHNOLOGY CO., LTD

Address: NO.668, YINGBIN ROAD, SHANGHUA DISTRICT, LANXI CITY, ZHEJIANG PROVINCE, CHINA

Contact person(E-mail): sales@mphotoluminescent.com

Telephone: 86-579-88948789

Fax: 86-579-88948948

Emergency telephone Number: 86-579-88948789

2. Hazard(s) identification

GHS classification

Physical hazards Not classified

Health hazards Not classified

Environmental hazards Hazardous to the aquatic environment, long-term hazard Category 2

GHS label elements

Hazard Pictograms



Signal word No signal word is used

Hazard statement Toxic to aquatic life with long lasting effects.

Precautionary statement

Prevention Avoid release to the environment.

Response Collect spillage.

Storage Not applicable.

Disposal Dispose of contents/container in accordance with local regulation.

Other hazards Not available.

3. Composition / information on ingredients

Components	CAS#	Percent
Dysprosium and europium doped strontium dialuminium tetraoxide monoclinic	201426-52-0	25%
silica	7631-86-9	55~60%
Na ₂ SiO ₃ , CaSiO ₃ , BaSiO ₃ , K ₃ SiO ₃	N/A	15~20%

4. First-aid Measures

First aid procedures

Eye contact

Rinse out with plenty of water with the eyelid held wide open. See doctor if necessary.

Skin contact

Wash with soap and water.

Inhalation

If inhaled, remove to fresh air. See doctor if necessary.

Ingestion

Make victim drink plenty of water. See doctor if feeling unwell.

Notes to physician

Treat symptoms.

5. Fire-fighting measures

Flammable properties

Not available.

Extinguishing media

Suitable extinguishing media

Use extinguishing agents suitable for the surrounding environment.

Unsuitable extinguishing media

Not available.

Firefighting equipment/instructions

In case of fire and/or explosion do not breathe fumes. Protective respirator with independent air supply. According to size of fire Full protection, if necessary. Dispose of contaminated extinction water according to official regulations.

Hazardous combustion products

Not available.

6. Accidental release measures

Personal precautions

Use personal protective equipment.

Environmental precautions

Prevent from entering drainage system.

Methods for cleaning up

Pick up mechanical, avoid dust engendering.

7. Handling and storage

Handling

Avoid contact with skin and eyes. Avoid formation of dust. Provide appropriate exhaust ventilation at places where dust is formed. Normal measures for preventive fire protection.

Storage

Keep container tightly closed in a dry and well-ventilated place.

8. Exposure controls / personal protection

Control parameters:

Occupational exposure limits

US. OSHA Table Z-3 (29 CFR 1910.1000)

Components	Type	Value
silica (CAS 7631-86-9)	TWA	0.8 mg/m ³ 20 mppcf

US. NIOSH: Pocket Guide to Chemical Hazards

Components	Type	Value
silica (CAS 7631-86-9)	TWA	6 mg/m ³

Biological limit values

No biological exposure limits noted for the ingredient(s).

Appropriate engineering controls:

Use in a well-ventilated area.

Individual protection measures, such as personal protective equipment:

Eye / face protection

Safety glasses recommended.

Skin protection

Protective gloves recommended. Normal clean body covering clothes and shoes.

Respiratory protection

Dust mask in case of dust formation.

General hygiene

Wash hands, forearms and face thoroughly after handling chemical products, before

considerations

eating, smoking and using the lavatory and at the end of the working period. Keep away from foodstuffs, beverages and feed. Immediately remove all soiled and contaminated clothing.

9. Physical and chemical properties

Appearance

Physical state	Solid
Form	Solid
Color	Yellowish green
Odor	Odorless
Odor threshold	Not available
pH	Not available
Vapor pressure	Not available
Melting point/Freezing point	> 500 °C
initial boiling point and boiling range	Not available
Flash point	Not available
Evaporation rate	Not available
Flammability (solid, gas)	Not available
Explosion limits	Not available
Vapor density	Not available
Relative density	2.4
Solubility (water)	Not available
Partition coefficient	< 0@ 20°C
Auto-ignition temperature	Not available
Decomposition temperature	Not available
Density	Not available
Flammability limits in air, upper, %by volume	Not available
Flammability limits in air, lower, % by volume	Not available
VOC	Not available
Percent volatile	Not available
Other data	
Viscosity	Not available

10. Stability and reactivity

Chemical stability	Material is stable under normal conditions.
Conditions to avoid	Incompatible materials.
Incompatible materials	Strong oxidizing agents.
Hazardous decomposition products	Not available
Possibility of hazardous reactions	No dangerous reactions known.

11. Toxicological information

Toxicokinetics, metabolism and distribution:

Non-human toxicological data: Not available

Information on toxicological effects:

Acute toxicity:

Dysprosium and europium doped strontium dialuminium tetraoxide(monoclinic (CAS 201426-52-0)

LD50(Oral, Rat):	Not available
LD50(Dermal, Rat):	> 2 000 mg/kg bw
LC50(Inhalation, Rat):	Not available
Skin corrosion/irritation:	Not classified.
Serious eye damage/irritation:	Not classified
Respiratory or skin sensitization:	Not classified
Germ cell mutagenicity:	Not classified
Carcinogenicity:	Not classified
Reproductive toxicity:	Not classified
STOT- single exposure:	Not classified
STOT-repeated exposure:	Not classified
Aspiration hazard:	Not classified

12. Ecological information

Toxicity:

Dysprosium and europium doped strontium dialuminium tetraoxide(monoclinic (CAS 201426-52-0))

Acute toxicity		Time	Species	Method	Evaluation	Remarks
LC50	6.8 mg/L	96h	Fish	OECD 203	N/A	N/A
EC50	13 mg/L	48h	Daphnia	OECD 202	N/A	N/A
EC50	29 mg/L	72h	Algae	OECD 201	N/A	N/A

Persistence and degradability:	Not available.
Bioaccumulative potential:	Not available.
Mobility in soil:	Not available.
Results of PBT&vPvB assessment:	Not available.
Other adverse effects:	Toxic to aquatic life with long lasting effects.

13. Disposal considerations

Disposal instructions	Dispose of contents/container in accordance with local/regional/national/international regulations.
Contaminated packaging	Since emptied containers may retain product residue, follow label warnings even after container is emptied.

14. Transport information

DOT

Basic shipping requirements:

UN number	Not regulated
Proper shipping name	Not regulated
Hazard class	Not regulated
Packing group	Not regulated
Environmental hazards	NO

IATA

UN number	Not regulated
UN proper shipping name	Not regulated
Transport hazard class(es)	Not regulated
Packing group	Not regulated
Environmental hazards	NO

IMDG

UN number	Not regulated
UN proper shipping name	Not regulated
Transport hazard class(es)	Not regulated
Packing group	Not regulated
Environmental hazards	NO

15. Regulatory information

US federal regulations

Toxic Substances Control Act (TSCA)

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)

Not regulated.

CERCLA Hazardous Substance List (40 CFR 302.4)

Not listed.

SARA 304 Emergency release notification

Not regulated.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1053)

Not listed.

Superfund Amendments and Reauthorization Act of 1986 (SARA)

SARA 302 Extremely hazardous substance

Not listed.

SARA 311/312 Hazardous chemical

No

SARA 313 (TRI reporting)

Not regulated.

Other federal regulations

Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List

Not regulated.

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)

Not regulated.

Safe Drinking Water Act (SDWA)

Not regulated.

16. Other information, including date of preparation or last revision

HMIS ratings

Health: 0

Flammability: 1

Physical hazard: 0

NFPA ratings

Health: 0

Flammability: 1

Instability: 0

Disclaimer

The information in the sheet was written based on the best knowledge and experience currently available.

Issue date

11-18-2020