

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

ILLUMINATING AGGREGATE

Version 1.0

Issue date: 11/18/2020

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SDS record number: CSSS-TCO-010-142879

1. Identification

Product name ILLUMINATING AGGREGATE
Synonyms -
CAS # See section 3
Product code -
Product use Not available
Manufacturer/Supplier
Supplier(Manufacturer): GLOW PATH TECHNOLOGY/GLOW PATH PAVERS LLC
Address: 1060 W Huron St Waterford, MI 48328
Contact person(E-mail): Info@glowpathpavers.com
Telephone: 1-833-456-7284

Emergency telephone Number: 1-248-229-2788

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% |

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 | Biological limit values | No biological exposure |
|------------------------|------|-----------------------|--|--------------------------------|
| silica (CAS 7631-86-9) | TWA | 0.8 mg/m ³ | limits noted for the ingredient(s). | |
| | | 20 mppcf | Appropriate engineering controls: | Use in a well-ventilated area. |

US. NIOSH: Pocket Guide to Chemical Hazards

| Components | Type | Value | Individual protection measures, such as personal protective equipment: |
|------------------------|------|---------------------|--|
| silica (CAS 7631-86-9) | TWA | 6 mg/m ³ | |

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