



GLOW PATH TECHNOLOGY/ GLOW PATH PAVERS LLC  
Address: 1060 WEST HURON ST, WATERFORD, MI

48328 1-833-456-7284  
CONTACT: ALEX KETTY

[Http://www.glowpathtechnology.com](http://www.glowpathtechnology.com) E-mail: [Info@glowpathpavers.com](mailto:Info@glowpathpavers.com)

## TECHNICAL DATA SHEET

### Product Description : Illuminating Aggregate

### Typical chemical properties:

### Components:

1. Silica
2. Photoluminescent pigment
3.  $\text{Na}_2\text{SiO}_3, \text{CaSiO}_3, \text{BaSiO}_3, \text{K}_3\text{SiO}_3$  Insoluble In : alkalis, Organic solvents, water

### Typical physical properties:

Appearance : Yellow-green, Blue-green, Sky-blue.

Specific gravity : 2.2~2.5g/cm<sup>3</sup> Lifetime : Outdoors >15years

### Theory and Application Scopes:

This Product is made from firing the mixture of silica and high-quality Strontium aluminum based long afterglow Illuminating pigment which is completely independently developed. Its shape is granular which is irregular through naturally broken. It can be luminous in dark for more than 6-8 hours continuously after absorbing various visible lights for 10-30mins, non-toxic, harmless, and non-radioactive, possessing excellent property of weather-resistance. It could be widely applied to greenways, path in garden, fish tank, flower disc, wishing bottle and any other decorative application to beauty the environment. Particle size can be customized.











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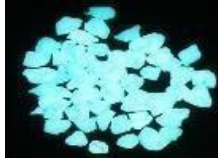


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### Glow Properties:

Measurement according: D65 Standard light source, Illumination 4500LUX, Excitation time - 15min

Model	Size CM	AFTERGLOW INTENSITY (mcd/m <sup>2</sup> )		Appearance Daytime	Glowing color
		10 min	60min		
Emerald 1/2	0.8-1.2	>1050	>95	 Light-yellow	 Yellow-green
Emerald 1/4	0.5-0.8	>950	>85		
Emerald 1/8	0.2-0.5	>850	>75		
Aqua 1/2	0.8-1.2	>1300	>160	 Light-white	 Blue-green
Aqua 1/4	0.5-0.8	>1100	>140		
Aqua 1/8	0.2-0.5	>1050	>120		
Sky 1/2	0.8-1.2	>340	>35	 Light- White	 Sky Blue
Sky 1/4	0.5-0.8	>300	>30		
Sky 1/8	0.2-0.5	>250	>25		
Emerald 1/2	0.8-1.2	>200	>10	 Light-yellow	 Yellow-green
Emerald 1/4	0.5-0.8	>180	>9		
Emerald 1/8	0.2-0.5	>130	>7		

<b>Aqua 1/2</b>	0.8-1.2	>250	>15	 Light-white	 Blue-green
<b>Aqua 1/4</b>	0.5-0.8	>200	>13		
<b>Aqua 1/8</b>	0.2-0.5	>180	>10		
<b>Sky 1/2</b>	0.8-1.2	>150	>12	 Light-white	 Sky-Blue
<b>Sky 1/4</b>	0.5-0.8	>120	>11		
<b>Sky 1/8</b>	0.2-0.5	>100	>9		

**Physical and chemical properties**

<b>Appearance Physical state</b>	Solid
<b>Form</b>	Solid
<b>Color</b>	Yellowish green
<b>Odor</b>	Odorless
<b>Odor threshold</b>	Not available
<b>pH</b>	Not available
<b>Vapor pressure</b>	Not available
<b>Melting point/Freezing point</b>	> 500 °C
<b>initial boiling point and boiling range</b>	Not available
<b>Flash point</b>	Not available
<b>Evaporation rate</b>	Not available
<b>Flammability (solid, gas)</b>	Not available
<b>Explosion limits</b>	Not available
<b>Vapor density</b>	Not available
<b>Relative density</b>	2.4
<b>Solubility (water)</b>	Not available
<b>Partition coefficient</b>	< 0@ 20°C
<b>Auto-ignition temperature</b>	Not available
<b>Decomposition temperature</b>	Not available
<b>Density</b>	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 Other data	Not available
Viscosity 10. Stability and reactivity	Not available
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.

**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
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