



Honolulu Glow LLC
Address: 743 Waiakamilo Rd Ste H; Honolulu, HI 96817
1-808-554-0497
CONTACT: Ronnie Mitchell
[Http://www.honoluluglow.com](http://www.honoluluglow.com) E-mail: kmitch@honoluluglow.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/cm³ 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.


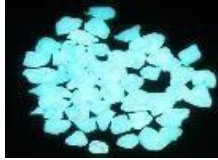




TECHNICAL DATA SHEET

Glow Properties:

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

Model	Size CM	AFTERGLOW INTENSITY (mcd/m ²)		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		

Aqua 1/2	0.8-1.2	>250	>15	 Light-white	 Blue-green
Aqua 1/4	0.5-0.8	>200	>13		
Aqua 1/8	0.2-0.5	>180	>10		
Sky 1/2	0.8-1.2	>150	>12	 Light-white	 Sky-Blue
Sky 1/4	0.5-0.8	>120	>11		
Sky 1/8	0.2-0.5	>100	>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 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
Revised date	10-5-2023