



CORE SYSTEMS

A 100% PERMEABLE GREEN ALTERNATIVE
FOR PAVING AND LANDSCAPING

PRODUCT: CORE Glow Glass *(with glow powder)*

MATERIAL SAFETY DATA SHEET (MSDS)

SECTION I: INFORMATION

Trade Name: Photo-Luminescent Pigment
Product Class: Al₂O₃, [1344-28-1] SrO, [1314-11-0] Eu₂O₃, [1308-96-9] Dy₂O₃ [1308-87-8]
Chemical Family Name: Alkaline earth metal aluminate oxide, Europium doped.
Product Type: PLO, HY, DB, DG AND G3
Formula: MO.Al₂O₃: Eu

Statement: This material safety data sheet (MSDS) has been prepared in compliance with the Federal OSHA Hazard Communication standard 29 CFR 1910.1200. This product is considered to be a non-hazardous substance under that standard.

Company Contact:

CORE Systems TF: 1.855.777.2673 (CORE)
P.O. Box 1545, Comox, BC, Canada V9M 8A2

SECTION II: HAZARDOUS INGREDIENTS

Ingredients: Gas Number % ACHIH-TLV OSHA-PEL as inert dust (Total) 2mg/ m³ ACGIN-TLV 3mg/m³
OSHA-PEL

SECTION III: PHYSICAL

Appearance: Light yellow powder with no odour
Melting Point: Dissociates 12000 OC
Vapor Pressure: N/AP
Vapor Density: N/AP
Solubility in Water: Non-Soluble
Weight per cubic meter: 3.0 - 3.6
Flammability Class: N/AP
Extinguishing Media: Water
Specific Gravity: 3.4

Freezing Point:	N/AP
Percent Volatile:	N/AP
Evaporation Rate:	N/AP
PH (% in water):	N/AP
Flash Point:	N/AP
Auto-Ignition Temp:	N/AP

Fire Fighting Procedure-Special:

Fire fighters should wear self-contained breathing apparatus when fighting chemical fires. Use water spray to cool nearby containers and structures exposed to fire.

Unusual Fire and Explosion Hazards:

This product will not burn. Use appropriate techniques to fight surrounding fire.

SECTION IV: REACTIVITY DATA

Stability:	Stable
Hazardous Polymerization:	Will not occur
Conditions to Avoid:	Contact with acids
Incompatibility:	Contact with acids
Hazardous Decomposition Products:	Will not occur

SECTION V: HEALTH HAZARD DATA

Respiratory Equipment:	Local exhaust mechanical (General)
Protective Gloves:	Plastic or Neoprene
Eye Protection:	Chemical Glasses
Ventilation:	Proper breathing apparatus
Other Protective Equipment:	Lab Coat
Threshold Limit Value:	OSHA PEL total dust 3mg/ m3
Primary Routes of Exposure:	Inhalation, Ingestion, Skin
OSHA Pel:	3m3/ m3
ACGIN TLV:	3m3/ m3
Effects of Overexposure:	May cause irritation to eyes, skin and mucous membranes.
Listed Carcinogen:	None

SECTION VI: EMERGENCY & FIRST AID DATA

Skin:	Wash off with soap and water, wear gloves when handling.
Eyes:	Flush with water for 5 minutes.
Inhalation:	Remove to fresh air.
Ingestion:	Drink quantities of water and induce vomiting.

SECTION VII: TOXICOLOGY INFORMATION

This product is of non-toxic, please contact the manufacture for further information.

SECTION VIII: SPILL OR LEAK PROCEDURES

Spill Procedures: Wear appropriate protective equipment, avoid the generation of dust, vacuum or shovel. Material must be placed in closable container for disposal.

Waste Disposal Methods: Dispose in accordance with state/provincial and local regulations.

SECTION IX: REGULATORY INFORMATION

Sara 313 Title III; Toxic Substance Control Act (TSCA):

All ingredients in this product are listed on the U.S. EPA TSCA inventory of chemical substances.

SECTION X: HANDLING & STORAGE INFORMATION

Store closed in cool dry area when handling wear protective clothing and respiratory protection. Avoid scattering into air.

Other Precautions: Maintain a schedule of regular housekeeping to insure cleanliness.

SECTION XI: TRANSPORTATION

Road Transport: ADR not restricted, RID not restricted

Marine Transport: IMDG/UN not restricted

Air Transport: ICAO/IATA-DGR not restricted
Dispatch by post permitted

SECTION XII: DEFINITIONS AND ABBREVIATION:

ACGIH:	American Conference of Governmental Industrial Hygienists
CASRN:	Chemical Abstract Service Registry Number
EPA:	Environmental Protection Agency
N/AP:	Not Applicable
N/AY:	Not Available
NOISH:	National Institute for Occupational Safety and Health
OSHA:	Occupational Safety and Health Administration
PEL:	Permissible Exposure Limits
SARA:	Superfund Amendments and Reauthorization Act

SPECIAL NOTICE

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