



AGT Sand MSDS

Trade Name: Ambient Glow Technology - Photo-Luminescent Pigment Sand: AGT-BGS; AGT-YGS

CAS Number: 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: Proprietary Formula

Statement: This material 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.

SECTION ONE – CONTACT INFORMATION

Responsible Party: **Universal One Corporation**

Emergency and Informational Telephone Number:

Address: **1898 Liverpool Road, Pickering, ON., Canada, L1V 1W5**

Date Prepared: **March 1, 2004**

SECTION TWO -- HAZARDOUS INGREDIENTS

Ingredients Gas Number % Acgih-TLV OSHA-PEL As Inert Dust (Total) 2mg/m³ Acgin-TLV 3mg/m³ OSHA-PEL

SECTION THREE -- PHYSICAL

Appearance: Light green sand with no odours. **Melting Point:** Dissociates 12000 C **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:** 3.0 - 3.6 **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 FOUR -- 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.

AGT Sand MSDS Continued

SECTION FIVE -- 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 SIX -- 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 SEVEN -- TOXICOLOGY INFORMATION

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

SECTION EIGHT SPILL OR LEAK PROCEDURES

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

Waste Disposal Methods: Dispose in accordance with state and local regulations, dep.

SECTION NINE 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 TEN HANDLING & STORAGE INFORMATION

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

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

SECTION ELEVEN - ADDENDUM

Definitions and Abbreviations: **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.