

## SECTION 1—PRODUCT INFORMATION

**Trade Name:** Photoluminescent Pigment  
**CAS Number:** 12004-37-4  
**Chemical Family:** Alkaline earth metal aluminate  
**Product Type:** EVERYGLOW LBG/LBB/LBSB/LBP

## SECTION 2—HAZARDOUS COMPONENT

Ingredients Gas Number:%  
ACGIH-TLV OSHA-PEL  
As Inert Dust (Total) 2mg/m<sup>3</sup> ACGIH-TLV  
3mg/m<sup>3</sup> OSHA-PEL

## SECTION 3—PHYSICAL PROPERTIES

**Appearance & Odor:** Greenish White Powder, No odor.  
**Melting Point:** >800 °C  
**Vapor Pressure:** N/AP  
**Vapor Density:** N/AP  
**Solubility in Water:** 0.3 G/L at 20°C  
**Specific Gravity:** 3.6~4.0  
**Freezing Point:** N/AP  
**Percent Volatile:** N/AP  
**PH(% in water):** 10~11 at 25°C

## SECTION 4—FIRE & EXPLOSION DATA

**Flash Point:** N/AP  
**Auto-Ignition Temp:** N/AP  
**Extinguishing Media:** Water, Foam, CO<sub>2</sub>, Dry Chemical  
**Flammability Class:** N/AP  
**Special Fire Fighting Procedure:** Product is not flammable. 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:** None known

## SECTION 5—REACTIVITY DATA

**Hazardous Polymerization:** Will not occur  
**Conditions to Avoid:** Contact with acids.  
**Incompatibility:** Contact with acids  
**Hazardous Decomposition Products:** Will not occur  
**Thermal stability:** Avoid heating up to 1600°C.

## SECTION 6—HEALTH HAZARD DATA

**Respiratory Equipment:** Local exhaust mechanical(general)  
**Protective Gloves:** Plastic or Neoprene  
**Eye Protection:** Chemical Glasses.  
**Primary Routes of Exposure:** Inhalation,Eyes,Skin.  
**Osha Pel:** 3m<sup>3</sup>/m<sup>3</sup>  
**Aegin TLV:**3m<sup>3</sup>/m<sup>3</sup>  
**Effects of Overexposure:** May cause irritation to eyes,skin and mucous membranes  
**Listed Carcinogen:** None

## SECTION 7—EMERGENCY & FIRST AID DATA

**Skin:** Wash off with soap and water,wear gloves when handing.  
**Eyes:** Flush with water for 5 minutes.If irritation occurs and persists, call a physician.  
**Inhalation:** Remove to fresh air, seek medical attention if necessary.  
**Ingestion:** Drink quantities of water and induce vomiting when ingesting little. Seek immediate medical attention when ingesting lots of it.

## SECTION 8—SPILL & DISPOSAL INFORMATION

**Spill or Leak Procedures:** Vacuum or sweep into properly labeled container for disposal,avoid the generation of dust.  
**Waste Disposal Information:** Dispose in accordance with local, State and Federal Regulations.

## SECTION 9— OTHER REGULATORY INFORMATION

**Sara 313 Title III:** Not listed.  
**TSCA:** All ingredients in this product are listed on the U.S EPA TSCA inventory of chemical substances.  
**If Regulated, proper Shipping Name:** N/AP  
**Hazard Class:** N/AP  
**Identification No:** N/AP  
**Packing Group:** N/AP  
**Label Required:** N/AP  
**Emergency Response Guide No:** N/AP

## SECTION 10—STABILITY AND REACTIVITY

**Thermal decomposition:** none  
**Hazardous decomposition products:** no hazardous decomposition products known  
**Hazardous reactions:** the product is not a dust explosion risk as supplied; however the build-up of fine dust can lead to a risk of dustexplosions.

## SECTION 11—INFORMATION OF TOXICITY

**Effects of overexposure:** may cause irrigation to eyes, skins & mucous membranes.

## SECTION 12— INFORMATION ON ECOLOGICAL EFFECTS

Product is chemically and biological inert. As it does not contain soluble heavy metals, the product does not cause ecological or toxicological problems like other compounds containing heavy metals.

## SECTION 13—INFORMATION CONCERNING DISPOSAL

**Product:** dispose in accordance with state and local regulations.

**European waste catalogue:** the declaration of the waste number must be specified by the branch or process in accordance with the EMC regulations.

**Contaminated packaging:** completely empty packaging may be treated as household waste.

PL Pigment can be one of additives and added into many medium, such as coat, paint, ink plastic, glass, ceramic etc. PL Pigment can repeatedly absorb energy and emit visible light for over 20 years without any perceivable change of its properties.

## SECTION 14—INFORMATION CONCERNING TRANSPORT

**GGVSee/IMDG-Code:- UN-NR:- ICAO/IATA:-**

**GGVE/GGVS:** not classified

**ADE/RID:** not classified **ADNR:-**

## SECTION 15—INFORMATION CONCERNING REGULATIONS

**labelling in accordance with GefstoffV/EC.:** the product does not require a hazard warning label in accordance with EC directives/German regulations on dangerous substances.

**National requirements: VbF-class:-**

## SECTION 16—OTHER INFORMATION

Observe national and local legal requirements

**Sources of documentation:** technical safety constants sorbe; merck index; Welzbacher

**All information this document are concerning the safety requirements of the product. all details are based on our best knowledge to the current situation. However, they do not apply as assurance for quality of the product with regard to liability resp. Guarantee. all details are given without obligation.**