



**GlowingGecko**

**MATERIAL SAFETY DATA**  
**SHEET**

**SECTION 1 PRODUCT AND COMPANY IDENTIFICATION**

Product Name: photoluminescent pigment  
MSDS Date: 2013-3-31  
Company: Five Daughters Pty Ltd  
Address: Po Box 3043, Broome 6725, WA Australia

**SECTION 2 INFORMATION ON INGREDIENTS**

Product Name: photoluminescent pigment  
Ingredient: Sr4Al14O25:Eu2+,Dy3+  
Concentration: 98%  
CAS No. 12004374

**SECTION 3 HAZARDS IDENTIFICATION**

Overview

Form: powder  
Colour: yellowish  
Odor: weak  
Hazards: may cause irritation to eyes, respiratory system and skin and  
may be harmful if swallowed

Potential Health Effects

Skin: may cause irritation to skin  
Eyes: may cause irritation to eye  
Inhalation: may cause respiratory tract irritation  
Ingestion: may be harmful if swallowed

**SECTION 4 FIRST-AID MEASURES**

Skin Exposure: In case of contact, immediately wash skin with soap and copious amounts of water. If irritation persists, call a physician.

Eye Exposure: In case of contact with eyes, flush with copious amounts of water for at least 5 minutes. Ensure adequate flushing by separating the eyelids with fingers. If irritation persists, call a physician.

Inhalation Exposure: Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Use oxygen as required, provided a qualified operator is present. Call a physician.

Oral Exposure: If swallowed, immediately wash out mouth with water provided person is conscious.

## **SECTION 5 FIRE FIGHTING MEASURES**

### Suitable

- Water spray
- Dry Chemical
- Carbon dioxide
- Appropriate foam

Fire fighting: Protective equipment. Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

## **SECTION 6 ACCIDENTAL RELEASE MEASURES**

### Personal Precautions:

Wear personal protective equipment.  
Evacuate personnel to safe places.  
Eliminate all ignition sources if it is safe to do so.  
Avoid dust formation.  
Ensure adequate ventilation.

### Environmental Precautions:

Prevent further leakage or spillage if it is safe to do so.  
Prevent product from entering drains.  
Don't flush into surface water or sanitary sewer system.  
Don't allow run-off from fire fighting onto water courses.

### Methods for Cleaning Up:

Sweep up with spade and transfer to a dry, clean, lidded container for disposal.  
Avoid raising dust.  
Ventilate area and wash spill site after material pickup is complete.

## **SECTION 7 HANDLING AND STORAGE**

### Handling:

Wear appropriate protective clothing and safety gloves.  
Avoid breathing dust.  
Avoid contact with eyes, skin and clothing  
Avoid prolonged or repeated exposure  
Mechanical exhaust required  
Keep away from ignition sources, heat and flame

### Incompatibilities:

strong oxidizing agents

### Storage

Keep packages tightly closed in a dry, cool and well-ventilated area.  
Keep away from ignition sources, heat and flame.  
Protect from physical damage.  
Store away from incompatible substances like strong oxidizing agents

## **SECTION 8 EXPOSURE CONTROL/PPE**

Engineering Control: Mechanical exhaust required. Safety shower and eye bath.

Eye protection: Safety glasses with side-shields.

Hand protection: Protective gloves

Skin protection: Wear appropriate clothing

Respiratory protection: in case of insufficient ventilation, wear suitable respiratory equipment

Hygiene control: Avoid breathing dust. Don't swallow. Avoid contact with eyes, skin and clothing. Handle in accordance with good industrial hygiene and safety practice.

Other protect: No smoking, drinking and eating at working site. Wash thoroughly after handling.

## **SECTION 9 PHYSICAL/CHEMICAL PROPERTIES**

Appearance colour:	yellowish
Odour:	weak
Melting Point/C:	>350° C
PH value Solubility:	11.4(25° C,50.0g/L)
Solubility:	Soluble in water

## **SECTION 10 STABILITY AND REACTIVITY**

Stability:	Stable under normal temperatures and pressures
Conditions To Avoid:	Water
Materials To Avoid:	Strong oxidizing agents
Hazardous Polymerization:	Will not occur
Hazardous Decomposition Products:	Strontium oxides, aluminum oxides, etc.

## **SECTION 11 TOXICOLOGICAL INFORMATION**

Toxicity Data:	No data available
Irritation Data:	May cause irritation to eyes, respiratory system and skin

## **SECTION 12 ECOLOGICAL INFORMATION**

No data available

## **SECTION 13 DISPOSAL CONSIDERATION**

Appropriate Method Of Disposal of Substance:

Contact a licensed professional waste disposal service to dispose of this material. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with and after burner and scrubber. Observe all federal, state and local environmental regulations.

## **SECTION 14 TRANSPORT INFORMATION**

DOT: this substance is considered to be non-hazardous for transport  
RID/ADR: this substance is considered to be non-hazardous for transport  
IATA: Non-hazardous for Air Transport  
IMO: Non-hazardous for Sea Transport

## **SECTION 15 REGULATORY INFORMATION**

EU Additional Classification:

S 2 26

Safety statements: keep out of the reach of children. In case of contact with eyes, rinse immediately with plenty of water and seek medical attention.

Other

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This Safety Data Sheet applies to the Strontium Aluminate powder only. Any other substance used in combination with the powder should be dealt with according to its own Safety Data Sheet. We assume no liability resulting from its use. In no way shall we be liable for any claims, losses or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising from using the above information.