SDS · SAFETY DATA SHEET (GHS / REACH)

Red Glow in the Dark Powder – Phosphorescent Pigment, 1 kg

Article: TM17030609 · **INCI:** Strontium Aluminate, Europium Oxide, Dysprosium Oxide
Document No. SDS-40553-EN-2611 · **Revision:** 11.2026

Product page

1 Identification of the substance/mixture and of the company

Trade name	Red Glow in the Dark Powder – Phosphorescent Pigment, 1 kg
Article	TM17030609
INCI	Strontium Aluminate, Europium Oxide, Dysprosium Oxide
Recommended use	nail art, decor, epoxy resin, candles
Uses advised against	Intended for decor, nail art and technical applications. Not for use on facial skin, lips or mucous membranes.
Supplier	**Mylo-Opt** 1st Pishchanyi Lane, 1, Kremenchuk, Poltava region, Ukraine +38 (063) 690-06-72 · mysoapoptom@gmail.com мыло-опт.com.ua
Emergency telephone	+38 (063) 690-06-72 (Mon–Fri, 8:00–17:00)

2 Hazards identification

Classification (CLP/GHS)	Not classified as hazardous.
Label elements	No pictograms, signal word or H-statements required.
Other hazards	Dust may mechanically irritate eyes. Reacts slowly with water and acids (hydrolysis).

3 Composition / information on ingredients

Mixture. Components are not classified as hazardous at the stated concentrations unless otherwise stated in section 2.

Component	CAS	EC	Content, %
Strontium Aluminate	12004-37-4	234-455-4	95–99
Europium Oxide	1308-96-9	215-165-6	0.5–2
Dysprosium Oxide	1308-87-8	215-163-5	0.5–2
Aluminum Oxide	1344-28-1	215-691-6	50–95

4 First aid measures

Inhalation	Move to fresh air. Seek medical advice if breathing difficulties occur.
Skin	Wash off with water and a mild cleanser.
Eyes	Do not rub. Rinse with plenty of water for 10–15 min. Seek medical advice if irritation persists.
Ingestion	Rinse mouth with water. Do not induce vomiting. Seek medical advice if unwell.
Most important symptoms	Mechanical eye irritation, coughing on dust inhalation.

5 Firefighting measures

Flammability	Non-combustible.
Extinguishing media	Dry powder, CO_2, dry sand. Avoid large amounts of water on the product.
Hazardous combustion products	None under normal conditions.
Firefighter equipment	Self-contained breathing apparatus and protective clothing.

6 Accidental release measures

Personal precautions	Avoid dust formation and inhalation. Use protective equipment (section 8).
Environmental precautions	Do not allow to enter drains or water bodies.
Clean-up methods	Collect mechanically (vacuum with filter or damp wiping) and place in a closed container for disposal.

7 Handling and storage

Safe handling	Avoid dust formation. Ensure ventilation. Do not eat or drink while working. Wash hands after handling.
Storage conditions	in a dry place, in a tightly closed container, protected from direct sunlight, at +5...+30 °C
Incompatible materials	Water, moisture, acids, strong oxidizers.

8 Exposure controls / personal protection

Occupational exposure limits	Nuisance dust: 10 mg/m³ (inhalable), 3 mg/m³ (respirable).
Engineering controls	General and local exhaust ventilation.

Respiratory protection	FFP2 dust mask where dust is generated.
Eye protection	Safety glasses with side shields.
Hand protection	Nitrile gloves.

9 Physical and chemical properties

Physical state / appearance	powder
Color	red
Odor	odorless
Particle size	10-15 µm
pH	9–11 (10 % suspension, hydrolysis)
Melting point	≈ 1550 °C
Density	3.4–3.6 g/cm³
Bulk density	1.0–1.3 g/cm³
Solubility	insoluble
Flash point	not applicable / > 100 °C
Explosive properties	none

10 Stability and reactivity

Chemical stability	Stable under recommended storage conditions.
Conditions to avoid	Moisture, acidic media.
Hazardous decomposition	None under normal conditions.

11 Toxicological information

Acute toxicity: LD50 oral (rat) > 2000 mg/kg. May cause slight eye and respiratory tract irritation (dust). Not a sensitizer. Not classified as mutagenic, carcinogenic or toxic to reproduction. Not radioactive.

12 Ecological information

Insoluble in water, inorganic. Bioaccumulation not expected. Large quantities may raise water pH due to hydrolysis. Not PBT/vPvB. Do not allow to enter water bodies.

13 Disposal considerations

Product	Dispose of in accordance with local regulations; do not discharge large quantities into drains.
Packaging	Dispose of or recycle empty packaging.

14 Transport information

UN number	Not applicable
ADR / RID / IMDG / IATA	Not regulated as dangerous goods.
Special precautions	Protect from moisture.

15 Regulatory information

Regulation (EC) No 1907/2006 (REACH), Regulation (EC) No 1272/2008 (CLP). Not listed as a permitted cosmetic colorant; intended for decorative and technical use.

16 Other information

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Note	The information reflects current knowledge and relates only to the product specified. It does not constitute a guarantee of properties for any specific application.