



MSDS

Material Safety Data Sheet

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1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY

Product Name: UNICO Glow powder

Further information obtainable from: Unico Handan New Material Company Limited

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2. Hazards Identification Serious eye damage

GHS Hazard Class	Not classified as hazardous substance or mixture according to GHS (Globally Harmonized System of Classification and Labelling of Chemicals)(8th revised edition).
Pictogram and signal word	None.
Hazard statement(s)	None.
Precautionary statement(s)	None.
Explosion hazards	Not considered to be an explosion hazard.

Classification according to GHS (Globally Harmonized System of Classification and Labeling of Chemicals) (8th revised edition)

3. Composition/Information on Ingredients

Component	Range % by Wt.	CAS No.
Strontium Carbonate	55-60	1633-05-2
Alumina	36-24	1302-74-5
Dysprosium Oxide	1.5-2.5	1308-87-8
Europium Oxide	1.0-2.0	1308-96-9

4. First Aid Measures

Inhalation	Remove person to fresh air and keep comfortable for breathing. If experiencing respiratory symptoms, consult a physician.
Skin contact	Rinse with soap and plenty of water. If experiencing skin symptoms, consult a physician.
Eye contact	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If experiencing eye symptoms, consult a physician.
Ingestion	Induce vomiting. Rinse mouth and give large quantities of water to drink. If feel unwell, consult a physician.

5. Fire Fighting Measures

Types of hazard	Not considered to be an explosion hazard.
Hazardous combustion products	Carbon oxides and other irritating fumes.

Fire-fighting measures	Use any means suitable for extinguishing surrounding fire Suitable extinguishing medial: water spray,alcohol-resistant foam, dry powder, carbon dioxide, etc.
Additional Information	Wear self-contained breathing apparatus and protective clothing if necessary.

6. Accidental Release Measures

Isolate the hazard area and keep unnecessary and unprotected personnel from entering Wear appropriate personal protective equipment, anti-static clothes and protective masks. Avoid dust formation. Vacuuming or wet sweeping may be used to avoid dust dispersal. Sweep up and recover the leakage into the suitable, closed containers for disposal.

7. Handling and Storage Measures

Handling	Use with adequate ventilation.Minimize dust generation and accumulation. Avoid inhalation of dust. Wash skin thoroughly after handling.
Storage	Keep container tightly closed. Stored in a cool, dry, well-ventilated area.

8. Exposure Controls/Personal Protection

Occupational exposure limits	Component	CAS No.	Limited Values
	Alumina	1302-74-5	15 mg/m ³ (total)TWA(OSHA) 5 mg/m ³ (resp)TWA(OSHA)

Engineering controls	Facilities storing or utilizing this substance should be equipped with a safety shower and an eyewash facility.In general,dilution ventilation is a satisfactory health hazard control for this substance.However, if conditions of use create discomfort to the worker, a local exhaust system should be considered.
Eye protection	Use safety goggles or face protections to protect against possible eye exposure.
Skin protection	Wear protective gloves.
Body protection	Wear clean body-covering clothing.
Inhalation protection	Use self-absorption filter type dust masks to protect against possible inhalation of the dust.
Other protection	No information.

9. Chemical and Physical Properties

Appearance and odor	Slight green powder, weak odor.
pH	No data available.
Melting Point	No data available.
Flash point	Not applicable.
Flammability	Not classified as flammable solid.
Solubility	Insoluble in water.
Decomposition temperature	No data available.
Explosive limites	Not applicable.
Oxidizing properties	Not classified as oxidizing substances.
Main purpose	Plastic products, coating and printing.
Other properties	No data available.

10. Stability and Reactivity

Stability	Stable under normal ambient storage and use conditions of temperature and pressure.
Incompatibilities	Strong oxidizers, strong acid.
Conditions to avoid	Static discharge, heat, moisture.
Hazardous polymerization	No data available.
Hazardous decomposition	When exposed to high heat/fire, carbon oxides and other irritating fumes may generated by thermal decomposition.

11. Toxicological Information

Acute toxicity	Strontium Carbonate(CAS No.1633-05-2): LD50-Oral-Rat->2000 mg/kg Dysprosium Oxide(CAS No.1308-87-8): LD50-Oral-Rat ->5000 mg/kg Europium Oxide(CAS No,1308-96-9): LD50-Oral-Rat ->5000 mg/kg
Skin corrosion/irritation	Europium Oxide(CASNo.1308-96-9):Skin irritation(Category 2).
Eye damage/irritation	Europium Oxide(CAS No.1308-96-9):Eye irritation(Category 2).
Respiratory or skin sensitization	No data available.
Germ cell mutagenicity	No data available.
Carcinogenicity	The substance is not listed in IARC(International Agency for Research on Cancer) Category.
Reproductive toxicity	No data available.
STOT-single exposure	Europium Oxide(CAS No.1308-96-9):STOT SE 3.
STOT-repeated exposure	No data available.
Aspiration hazard	No data available.
Health hazards	Inhalation:Cause irritation to the respiratory tract. May cause damage to lung through prolonged or repeated exposure. Skin Contact: Causes mild skin irritation. Eye Contact: May cause mild irritation, possible reddening. Ingestion: May be harmful if swallowed.
Other toxicity	No data available.

12. Ecological Information

Ecological toxicity	No data available.
Persistence and degradability	Not applicable.
Bioaccumulation	No data available.
Mobility in soil	No data available.
Others	No data available.

13. Disposal Information

Disposal measures	Offer surplus and non-recyclable contents/containers to a licensed disposal company.
Notes	Local disposal regulations may differ from Chinese regulations.Dispose in accordance with local country or state.

14. Transportation Information

Regulations	IATA DGR(62nd Edition)	IMDG Code(2018 Edition)
UN No.	Not regulated.	Not regulated.
Proper Shipping Name	Not regulated.	Not regulated.
Hazard Class/Division	Not regulated.	Not regulated.
Packing Group	Not regulated.	Not regulated.
Packing Method	Not regulated.	Not regulated.
Environmental hazards	Not regulated as environmentally hazardous substance / marine pollutants.	
Notes	No information.	

15. Regulatory Information

Domestic authority regulations:

Regulations on the Safety Administration of Dangerous Chemicals(2011).

This substance is not listed in General rule for classification and hazard communication of chemicals(GB 13690-2009).

International Regulations:

Commission Regulation(EC)No.1907/2006(REACH)and its amendments.

Commission Regulation(EC)No.1272/2008(CLP)and its amendments.

Waste Framework Directive 2008/98/EC and its amendments.

Toxic Substance Control Act(TSCA).

Disclaimer

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