



MATERIAL SAFETY DATA SHEET

CREATION DATE: 17/01/2023

REVISION #5 16/01/2025

1. Chemical Product and Company Identification

MSDS Name:	Glass Polishing Powder
Product Code:	01-R790
Company:	NFK Glazing & Industrial Supplies
Contact phone:	+61 7 3343 3377
Emergency phone:	1800 033 111

2. COMPOSITION, INFORMATION ON INGREDIENTS

CAS#	CHEMICAL NAME	PERCENT	EINECS / ELINCS
1306-38-3	Cerium Oxide	58%	1272/2008
1312-81-8	Lanthanum Oxide	32%	1272/2008
68188-85-2	Fluorine Oxide	10%	1272/2008

3. HAZARDS IDENTIFICATION

Classification of the substance or mixture

Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008. This substance is not classified as

dangerous according to Directive 67/548/EEC.

Label elements

Labelling according to Regulation (EC) No 1272/2008 [CLP]

Pictogram: none

Signal word: none

Hazard statement(s): none

Precautionary statement(s): none

Supplemental Hazard: none

Statements

The following percentage of the mixture consists of ingredient(s) with unknown hazards to the aquatic environment: 100%

Other hazards: none

4. FIRST AID MEASURES

Description of first aid measures

General advice

Consult a physician. Show this safety data sheet to the doctor in attendance.

If inhaled

If breathed in, move the person into the fresh air. If not breathing, give artificial respiration. Consult a physician.

In case of skin contact

Wash off with soap and plenty of water. Consult a physician.

In the case of eye contact

Flush eyes with water as a precaution.

If swallowed

Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

Most important symptoms and effects, both acute and delayed

Rare earth compounds may cause delayed blood clotting leading to hemorrhages. Inhalation of rare earth may cause sensitivity to heat, itching, and increased awareness of odour and taste. To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

Indication of any immediate medical attention and special treatment needed

No data available

5. FIRE FIGHTING MEASURES

Special Fire Fighting Procedures:

The product will not burn. Cool material in or near fires with a water spray or fog if compatible with firefighting techniques for the other materials involved in the fire. A self-contained breathing apparatus operating in the positive pressure mode.

NOISH approved to avoid dust or fumes generated during firefighting efforts.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Use personal protective equipment. Avoid dust formation. Avoid breathing vapors, mist or gas. Avoid breathing dust.

Environmental precautions

Do not let the product enter drains.

Methods and materials for containment and cleaning up

Pick up and arrange disposal without creating dust. Sweep up and shovel. Keep in suitable, closed containers for disposal.

Reference to other sections

For disposal see section 13.

7. HANDLING AND STORAGE

Precautions for safe handling

Provide appropriate exhaust ventilation at places where dust is formed. Normal measures for preventive fire protection.

Conditions for safe storage, including any incompatibilities

Store in a cool place. Keep the container tightly closed in a dry and well-ventilated place. Handle and store under inert gas. Air sensitive.

Specific end uses

no data available

8. EXPOSURE CONTROLS, PERSONAL PROTECTION

Control parameters

Components with workplace control parameters

Exposure controls

Appropriate engineering controls

Handle in accordance with good industrial hygiene and safety practices. Wash hands before breaks and at the end of the workday.

Personal protective equipment

Eye/face protection

Use equipment for eye protection tested and approved under appropriate government standards such as NOISH (US) or EN 166(EU).

Skin protection

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching the glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands. The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it.

Body Protection

Choose body protection in relation to its type, to the concentration and amount of dangerous substances, and to the specific workplace. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Respiratory protection

Respiratory protection is not required. Where protection from nuisance levels of dust is desired, use type N95 (US) or type P1 (EN 143) dust masks. Use respirators and components tested and approved under appropriate government standards such as NOISH (US) or CEN (EU).

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE and PHYSICAL STATE:	white powder
SPECIFIC GRAVITY (WATER=1):	4.5-5.5
EVAPORATION RATE:	NA
MELTING POINT (°F):	NA
% VOLATILE by VOL./WGT:	NA
BOILING POINT (°F):	NA
SOLUBILITY in WATER:	Insoluble
VAPOR DENSITY (AIR=1):	NA
SOLUBILITY in ALCOHOL:	NA
VAPOR PRESSURE:	NA
SOLUBILITY in OTHER SOLVENT:	NA

10. STABILITY AND REACTIVITY

Reactivity

no data available

Chemical stability

no data available

Possibility of hazardous reactions

no data available

Conditions to avoid

no data available

Incompatible materials

Strong oxidizing agents

Hazardous decomposition products

Other decomposition products - no data available

11. TOXICOLOGICAL INFORMATION

Acute toxicity	LD50 Oral - rat -> 5.000 mg/kg LD50 Oral - rat -> 2.000 mg/kg LC50 Inhalation - rat - 4h -> 5.050 mg/m3 LD50 Dermal - rat -> 2.000 mg/kg
Skin corrosion/ irritation	Skin - rabbit - No skin irritation - 24h
Serious eye damage/ eye irritation	Eyes - rabbit - No eye irritation - 24h Eyes - rabbit - Mild eye irritation -24h
Respiratory or skin sensitization	guinea pig - did not cause sensitization on laboratory animals.
Germ cell mutagenicity	Genotoxicity in vitro - S. typhimurium Histidine reversion (Ames)
Carcinogenicity	IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.
Reproductive toxicity	no data available
Specific target organ toxicity - single exposure	no data available
Specific target organ toxicity - repeated exposure	no data available
Aspiration hazard	no data available
Potential health effects	Inhalation: May be harmful inhaled. May cause respiratory tract irritation. Ingestion: May be harmful if swallowed. Skin: May be harmful if absorbed through the skin. May cause skin irritation Eyes: May cause eye irritation.
Signs and Symptoms of Exposure	Rare earth compounds may cause delayed blood clotting leading to hemorrhages. Inhalation of rare earths may cause sensitivity to heat, itching, and increased awareness of odor and taste. To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

12. ECOLOGICAL INFORMATION

No information available.

13. DISPOSAL CONSIDERATIONS

Waste treatment methods

Product

Offer surplus and non-recyclable solutions to a licensed disposal company. Contact a licensed professional waste disposal service to dispose of this material. Dissolve or mix the material with a combustible solvent and burn it in a chemical incinerator equipped with an afterburner and scrubber.

Contaminated packaging

Dispose of it as an unused product.

14. TRANSPORT INFORMATION

IATA	Not regulated as a hazardous material.
MDG	Not regulated as a hazardous material.
RID/ADR	Not regulated as a hazardous material.
Special precautions for user	no data available

15. REGULATORY INFORMATION

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.

Safety, health and environmental regulations/legislation specific for the substance or mixture

no data available

Chemical Safety Assessment

no data available

16. ADDITIONAL INFORMATION

MSDS Creation Date: 17/01/2023

Revision #5: 16/01/2025

The above information is believed to be correct but does not purport to be all-inclusive and shall be used only as a guide. The information in this document is based on the recent state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. NFK Glazing & Industrial Supplies shall not be held liable for any damage resulting from handling or from contact with the above product.