



SAFETY DATA SHEET

Cerium Oxide Polishing Powder

Date: January 2012

1. IDENTIFICATION OF SUBSTANCES / MIXTURE AND OF THE COMPANY / UNDERTAKING

Product Identifiers

Product Name: **Cerium Oxide Polishing Powder**
Product code: OCON-023, OCON-260, OCON-261

Relevant identified uses of the substance or mixture and uses advised against

Identified uses: Abrasive lapping or polishing powder.
Uses advised against: This product is to be used only for the purpose stated above.

Details of the supplier of the safety data sheet

Manufacturer: Logitech Ltd
Erskine Ferry Road
Old Kilpatrick
Glasgow
G60 5EU
Scotland, UK

Telephone +44 (0) 1389 875444
E-mail coshh.info@logitech.uk.com

Emergency telephone number

+44 (0) 1389 875444 (09:00 – 17:00 Monday to Friday)

2. HAZARDS IDENTIFICATION

Classification of the substance or mixture

This material is a mixture

Classification according to Regulation (EC) 1272/2008 (EU 'CLP' regulation) as amended:

Not classified as hazardous

Classification according to CHIP and EU Directives 67/548/EEC or 1999/45/EC

Not classified as dangerous

Label elements

Labelling elements according to Regulation (EC) 1272/2008 (EU 'CLP' regulation)

No labelling required under these regulations

Labelling elements according to CHIP and EU Directives 67/548/EEC or 1999/45/EC

No labelling required under these regulations

Other Hazards

No information available.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Mixtures

This material is a mixture of Cerium Oxide and other minor components.
There are no hazardous substances present at or above threshold limits:

Component	CAS No.	EC No.	%
Cerium Oxide	1306-38-3	-	-
<i>Classification according to CHIP and EU Directives 67/548/EEC or 1999/45/EC:</i> Not classified as dangerous			
<i>Classification according to Regulation (EC) 1272/2008 (EU 'CLP' regulation) as amended:</i> Not classified as dangerous			

4. FIRST AID MEASURES

Description of first aid measures

General advice

Remove from source of exposure.

Inhalation.

Move person to fresh air. If person experiences irritation or difficulty breathing seek medical advice

Ingestion

Drink plenty of water. If person experiences discomfort seek medical advice

Skin contact

Wash area with soap and water then rinse thoroughly with water. If person experiences continued irritation seek medical advice

Eye contact

Wash out with plenty of water. After initial flushing, remove any contact lenses and continue flushing.

Seek medical advice in the event of continued irritation or other complaints.

Most important symptoms and effects, both acute and delayed

No specific effects and/or symptoms have been reported or are known.

Indication of any immediate medical attention and special treatment needed

None

5. FIRE-FIGHTING MEASURES

Extinguishing media

Product is not flammable.

Use extinguishing medium appropriate to surroundings

Special hazards arising from the substances or mixture

The product may produce toxic fumes including Cerium compounds

Advice for fire fighters

No special precautions required.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Minimise contact with skin and eyes (may cause irritation by mechanical action)

Environmental precautions

Minimise release to environment. This product is not environmentally harmful but release to the environment must not be considered as a disposal route.

Methods and material for containment and cleaning up

Dampen spillage with water to minimise dust generation, then sweep up and place in a container for disposal.

Remove final residues with wet cloths or rinse to foul sewer with water

Reference to any other sections

See section 13 for disposal information

7. HANDLING AND STORAGE

Precautions for safe handling:

Take precautions to minimise the generation of airborne dust.
Provide adequate ventilation
Avoid breathing airborne dust.
Minimise skin and eye contact to prevent irritation by mechanical action..

Conditions for safe storage, including any incompatibilities

No special requirements

Specific end use(s)

None identified

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Control parameters

Exposure limits:

The UK Workplace Exposure Limit (WEL) for general (nuisance) dust applies to this material:

Inhalable dust	LTEL	10 mg/m ³ (8 hr TWA)
Respirable dust	LTEL	4 mg/m ³ (8 hr TWA)

Other exposure limits may be specified in individual countries. Check national legislation for appropriate exposure limits.

Exposure should be controlled to avoid exceeding the specified limits.

Derived No Effect Level (DNEL) No information available.

Predicted No Effect Concentration (PNEC) No information available

Exposure controls

Appropriate engineering controls

Use ventilation (natural or forced) or extraction to reduce dust exposure to below the exposure limit.

Personal Protective Equipment (PPE)

If PPE is necessary to control exposure use the following:

Eye / face protection

EN approved safety glasses with side shields or (preferred) box goggles.

Skin protection:

Wear any gloves that provide a barrier to powder contact. Replace gloves before the inner surface becomes contaminated with the powder.

Wear long sleeved clothing.

Respiratory protection:

Wear an EN149 approved respirator fitted with a particle filter (filter type P1, P2 or P3).

The correct selection, fitting, use, storage and maintenance of respiratory protective equipment is important. Follow manufacturer's recommendation or seek expert advice. HSE document HSG 53 provides some guidance.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemicals properties

Appearance:	White - cream powder
Odour:	None
Odour threshold:	not applicable
pH:	information not available
Melting point:	2600 °C
Boiling point:	information not available
Flash point:	not applicable – non flammable
Evaporation rate	not applicable
Flammability	not applicable
Upper/lower explosive limits	information not available
Vapour pressure	information not available

Vapour density	information not available
Density	information not available
Solubility in water:	Insoluble in water.
Solubility in other	
Ingredients:	information not available
Partition coefficient	
Octanol/water:	information not available
Auto-ignition temperature	information not available
Decomposition temperature	information not available
Viscosity	information not available
Explosion properties:	information not available
Oxidising properties:	information not available.

Other information No additional data available

10. STABILITY AND REACTIVITY

Reactivity

Not reactive to materials commonly used in the transportation, handling and storage.

Chemical stability

Stable at room temperature.

Possibility of hazardous reactions

No hazardous reactions known

Conditions to avoid

None identified

Incompatible materials

Strong oxidising agent, strong acids

Hazardous decomposition products

None identified

11. TOXICOLOGICAL INFORMATION

Information on toxicological effects

Acute toxicity	no data available
Irritation	may be irritating to skin, eyes and respiratory system.
Corrosively	no data available
Sensitisation	no data available
Repeated dose toxicity	no data available
Carcinogenicity	not carcinogenic
Mutagenicity	no data available
Toxicity for reproduction	no data available

12. ECOLOGICAL INFORMATION

Toxicity

Acute toxicity for fish	no data available
Acute toxicity for crustacea	no data available
Acute toxicity for algae	no data available

Persistence and biodegradability

Data not available.

Bioaccumulative potential

Data not available. Not expected to be bioaccumulative.

Mobility in Soil

Data not available.

Results of PBT and vPvB assessment

No components are classified as PBT or vPvB.

Other adverse effects

Data not available

13. DISPOSAL CONSIDERATIONS

Waste treatment methods

Product

Dispose of product as non-hazardous waste in accordance with local, national and international legislation, using an approved registered waste disposal company.
The European Waste Code will depend upon the use of the product and cannot be specified here.

Packaging

Clean or contaminated packaging can be disposed of as general waste: European Waste Code 15 01 xx (xx will depend upon the type of packaging e.g. plastic, cardboard etc. Refer to European Waste Catalogue).

14. TRANSPORT INFORMATION

UN number

Not a dangerous good

UN proper shipping name

Not a dangerous good

Transport hazard class(s)

Not a dangerous good

Packing group

Not a dangerous good

Environmental hazards

Not a dangerous good

Special precautions for user

None identified

Transport in bulk according to Annex II of MARPOL 73/78 and IBC Code

No information available

15. REGULATORY INFORMATION

This Safety Data Sheet has been prepared in accordance with the requirements of regulation (EC) No 1907/2006 as amended by regulation (EU) No 453/2010.

Workplace exposure Limits given in section 8 have been taken from the UK HSE document: EH40/2005 Workplace exposure limits as amended.

Relevant regulations:

Regulation (EC) 1272/2008 (EU 'CLP' regulation)

Regulation (EC) 790/2009 First Adaptation to Technical Progress (ATP) for CLP regulation

Regulation (EC) 286/2011 Second Adaptation to Technical Progress (ATP) for CLP regulation

EU Directive 67/548/EEC ('Dangerous Substances Directive')

Regulation (EC) No 1907/2006 ('REACH')

Regulation (EU) No 453/2010.

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

None identified

Chemical safety assessment

A Chemical Safety Assessment has not been undertaken for this product.

16. OTHER INFORMATION

Changes from previous version (version 2):

- a) Section 1 Addition of another product reference number
- b) Section 2 Labelling information now provided in accordance with both CHIP and CLP regulations

The information contained in the Safety Data Sheet is correct to the best of our knowledge at the date of issue. It is intended as a guide for the safe use, handling, storage, transportation and disposal. It is not intended as a warranty or specification. The information relates only to the product specified and may not be suitable for combinations with other materials.