



## Safety Data Sheet

according to Regulation (EC) No 1907/2006

### Cerium polishing compound

Revision date: 17.06.2020

Product code: BOCE2620

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## SECTION 1: Identification of the substance/mixture and of the company/undertaking

### 1.1. Product identifier

Cerium polishing compound

#### Further trade names

BO CE2601, 1kg

BO CE2620, 20kg

### 1.2. Relevant identified uses of the substance or mixture and uses advised against

#### Use of the substance/mixture

Polishing agent

### 1.3. Details of the supplier of the safety data sheet

Company name:	BOHLE AG	
Street:	Dieselstr. 10	
Place:	D-42781 Haan	
Telephone:	+49 2129 5568-0	Telefax: +49 2129 5568-282
e-mail:	info@bohle.de	
Contact person:	Klaus Nehren	Telephone: +49 2129 5568-276
e-mail:	MSDS@bohle.de	
Internet:	www.bohle.com	
Responsible Department:	Chemie	

**1.4. Emergency telephone number:** Only available during office hours. +49 2129 5568-276

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

#### Regulation (EC) No. 1272/2008

This mixture is not classified as hazardous in accordance with Regulation (EC) No. 1272/2008.

### 2.2. Label elements

## SECTION 3: Composition/information on ingredients

### 3.2. Mixtures

#### Chemical characterization

CERIUM OXIDE

#### Hazardous components

CAS No	Chemical name			Quantity
	EC No	Index No	REACH No	
	GHS Classification			
	Reaction mass of cerium dioxide and lanthanum fluoride and lanthanum oxide			80-100 %
	909-701-4		01-2119541810-46	

Full text of H and EUH statements: see section 16.

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

#### After inhalation

Provide fresh air. If symptoms persist, call a physician.

If unconscious place in recovery position and seek medical advice.

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**After contact with skin**

Wash off immediately with soap and plenty of water.

**After contact with eyes**

In case of eye contact, remove contact lens and rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. If eye irritation persists, consult a specialist.

**After ingestion**

Clean mouth with water and drink afterwards plenty of water. Do not induce vomiting. Call a physician immediately.

**SECTION 5: Firefighting measures****5.1. Extinguishing media****Suitable extinguishing media**water spray dry powder foam carbon dioxide (CO<sub>2</sub>)**5.3. Advice for firefighters**

Standard procedure for chemical fires. In the event of fire, wear self-contained breathing apparatus.

**SECTION 6: Accidental release measures****6.1. Personal precautions, protective equipment and emergency procedures**

Avoid dust formation. Use personal protective equipment.

dust formation: In case of insufficient ventilation, wear suitable respiratory equipment.

**6.2. Environmental precautions**

Do not allow to enter into surface water or drains.

**6.3. Methods and material for containment and cleaning up**

Use mechanical handling equipment. Clean contaminated surface thoroughly. Flush with water.

**6.4. Reference to other sections**

Safe handling: see section 7

Personal protection equipment: see section 8

Disposal: see section 13

**SECTION 7: Handling and storage****7.1. Precautions for safe handling****Advice on safe handling**

Avoid dust formation. Ensure adequate ventilation, especially in confined areas. Do not breathe vapours/dust.

Wear personal protective equipment.

**Advice on protection against fire and explosion**

No special technical protective measures required.

**7.2. Conditions for safe storage, including any incompatibilities****Requirements for storage rooms and vessels**

No special storage conditions required. Store at room temperature in the original container. Keep container tightly closed and dry.

**SECTION 8: Exposure controls/personal protection****8.1. Control parameters****Exposure limits (EH40)**

CAS No	Substance	ppm	mg/m <sup>3</sup>	fibres/ml	Category	Origin
16984-48-8	Fluoride (inorganic as F)	-	2.5		TWA (8 h)	WEL

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**DNEL/DMEL values**

CAS No	Substance		
DNEL type	Exposure route	Effect	Value
	Reaction mass of cerium dioxide and lanthanum fluoride and lanthanum oxide		
Worker DNEL, long-term	dermal	systemic	8,33 mg/kg bw/day
Worker DNEL, long-term	inhalation	systemic	3 mg/m <sup>3</sup>
Consumer DNEL, long-term	dermal	systemic	4,17 mg/kg bw/day
Consumer DNEL, long-term	inhalation	systemic	1,5 mg/m <sup>3</sup>
Consumer DNEL, long-term	oral	systemic	4,17 mg/kg bw/day

**8.2. Exposure controls**
**Appropriate engineering controls**

Even in case of a full release, due to the small amount of substances present, it is not expected that exposure limits will be reached. However it is the duty of the user to verify this and follow given exposure limits at the workplace.

**Protective and hygiene measures**

Wash hands before breaks and at the end of workday. When using, do not eat, drink or smoke. Keep away from food, drink and animal feedingstuffs.

**Eye/face protection**

safety glasses with side-shields conforming to EN166

**Hand protection**

rubber gloves

**Respiratory protection**

In case of insufficient ventilation wear suitable respiratory equipment.

**SECTION 9: Physical and chemical properties**
**9.1. Information on basic physical and chemical properties**

Physical state:	powder
Colour:	cream
Odour:	odourless
pH-Value:	not applicable

**Changes in the physical state**

Melting point:	> 500 °C
Initial boiling point and boiling range:	not applicable
Flash point:	not applicable

**Explosive properties**

No hazards resulting from the material as supplied.

**Oxidizing properties**

No hazards resulting from the material as supplied.

Density (at 25 °C):	6,8 g/cm <sup>3</sup>
Water solubility:	insoluble
Solvent content:	0,0 %

**9.2. Other information**

Solid content:	100 %
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**SECTION 10: Stability and reactivity**
**10.3. Possibility of hazardous reactions**

None known.

**10.4. Conditions to avoid**

No decomposition if stored and applied as directed.

**10.6. Hazardous decomposition products**

None known.

**SECTION 11: Toxicological information**
**11.1. Information on toxicological effects**
**Acute toxicity**

CAS No	Chemical name				
	Exposure route	Dose	Species	Source	Method
	Reaction mass of cerium dioxide and lanthanum fluoride and lanthanum oxide				
	oral	LD50 >2000 mg/kg	Rat		OECD 423
	dermal	LD50 >2000 mg/kg	Rat		OECD 402
	inhalation (4 h) aerosol	LC50 >5,05 mg/l	Rat		OECD 403

**Sensitising effects**

No sensitization responses were observed.

**SECTION 12: Ecological information**
**12.1. Toxicity**

No data available

CAS No	Chemical name					
	Aquatic toxicity	Dose	[h]   [d]	Species	Source	Method
	Reaction mass of cerium dioxide and lanthanum fluoride and lanthanum oxide					
	Fish toxicity	NOEC > 100 mg/l	96 d	Brachydanio rerio (zebra-fish)		

**12.2. Persistence and degradability**

No data available

**12.3. Bioaccumulative potential**

No data available

**12.4. Mobility in soil**

No data available

**SECTION 13: Disposal considerations**
**13.1. Waste treatment methods**
**Disposal recommendations**

In accordance with local and national regulations.

**Contaminated packaging**

In accordance with local and national regulations.

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**SECTION 14: Transport information****Land transport (ADR/RID)**

<b>14.1. UN number:</b>	No dangerous good in sense of this transport regulation.
<b>14.2. UN proper shipping name:</b>	No dangerous good in sense of this transport regulation.
<b>14.3. Transport hazard class(es):</b>	No dangerous good in sense of this transport regulation.
<b>14.4. Packing group:</b>	No dangerous good in sense of this transport regulation.

**14.5. Environmental hazards**

ENVIRONMENTALLY HAZARDOUS: no

**14.6. Special precautions for user**

No dangerous good in sense of this transport regulation.

**14.7. Transport in bulk according to Annex II of Marpol and the IBC Code**

No dangerous good in sense of this transport regulation.

**Other applicable information**

Not dangerous goods in the meaning of ADR/RID, ADNR, IMDG-Code, ICAO/IATA-DGR

**SECTION 15: Regulatory information****15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****EU regulatory information**

2004/42/EC (VOC): 0%

**National regulatory information**

Water hazard class (D): 1 - slightly hazardous to water

**SECTION 16: Other information**

*(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)*