

**Safety Data Sheet**

according to UK REACH Regulation

**BOHLE KF150 POLISHING POWDER**

Revision date: 28.04.2023

Product code: BOKF15025

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**SECTION 1: Identification of the substance/mixture and of the company/undertaking**
**1.1. Product identifier**

BOHLE KF150 POLISHING POWDER

**Further trade names**

BO KF15001 1kg

BO KF15025 25kg

**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:	42781 Haan	
Telephone:	+49 2129 5568-0	Telefax: +49 2129 5568-282
e-mail:	info@bohle.de	
Contact person:	Dr. Martin Schade	Telephone: +49 2129 5568-300
e-mail:	MSDS@bohle.de	
Internet:	www.bohle.com	
Responsible Department:	Chemie	

**1.4. Emergency telephone number:**

Emergency CONTACT (24-Hour-Number): GBK GmbH +49 (0)6132-84463

**SECTION 2: Hazards identification**
**2.1. Classification of the substance or mixture**
**GB CLP Regulation**

Skin Irrit. 2; H315

Eye Irrit. 2; H319

STOT SE 3; H335

Full text of hazard statements: see SECTION 16.

**2.2. Label elements**
**GB CLP Regulation**
**Hazard components for labelling**

Rare earth flourides

**Signal word:** Warning

**Pictograms:**

**Hazard statements**

H315	Causes skin irritation.
H319	Causes serious eye irritation.
H335	May cause respiratory irritation.

**Precautionary statements**

P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
P280	Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if

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present and easy to do. Continue rinsing.

**Labelling of packages where the contents do not exceed 125 ml**
**Signal word:** Warning

**Pictograms:**

**SECTION 3: Composition/information on ingredients**
**3.2. Mixtures**
**Chemical characterization**

Rare earth flourides

**Hazardous components**

CAS No	Chemical name			Quantity
	EC No	Index No	REACH No	
	Classification (GB CLP Regulation)			
68188-85-2	Rare earth flourides			<30 %
	269-166-1			
	Acute Tox. 4, Acute Tox. 4, Acute Tox. 4, Skin Irrit. 2, Eye Irrit. 2, STOT SE 3; H332 H312 H302 H315 H319 H335			
10043-01-3	Aluminium sulphate			<2 %
	233-135-0		01-2119531538-36	
	Eye Dam. 1; H318			

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

**Specific Conc. Limits, M-factors and ATE**

CAS No	EC No	Chemical name	Quantity
	Specific Conc. Limits, M-factors and ATE		
68188-85-2	269-166-1	Rare earth flourides	<30 %
	inhalation: ATE = 11 mg/l (vapours); inhalation: ATE = 1,5 mg/l (dusts or mists); dermal: ATE = 1100 mg/kg; oral: ATE = 500 mg/kg		

**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 but breathing normally, place in recovery position and seek medical advice.

**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**

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#### 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

##### General advice

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

##### Other information

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.

##### Advice on general occupational hygiene

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.

#### 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

#### 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.

##### Individual protection measures, such as personal protective equipment

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**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:	off-white	
Odour:	odourless	
Melting point/freezing point:		no data available
Flash point:		not applicable
pH-Value (at 20 °C):		4-10
Water solubility:		insoluble
Density:		1,0-1,8 g/cm <sup>3</sup>

**9.2. Other information****Information with regard to physical hazard classes**

## Explosive properties

No hazards resulting from the material as supplied.

## Oxidizing properties

No hazards resulting from the material as supplied.

**Other safety characteristics**

Solvent content: 0,0 %

Solid content: 100 %

**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 hazard classes as defined in GB CLP Regulation****ATEmix calculated**

ATE (oral) 2500,0 mg/kg; ATE (dermal) 5500,0 mg/kg; ATE (inhalation vapour) 55,00 mg/l; ATE (inhalation dust/mist) 7,500 mg/l

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**Acute toxicity**

CAS No	Chemical name				
	Exposure route	Dose	Species	Source	Method
68188-85-2	Rare earth flourides				
	oral	ATE 500 mg/kg			
	dermal	ATE 1100 mg/kg			
	inhalation vapour	ATE 11 mg/l			
	inhalation dust/mist	ATE 1,5 mg/l			

**Irritation and corrosivity**

The product causes irritation of eyes, skin and mucous membranes.

**Sensitising effects**

No sensitization responses were observed.

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

No data available

**12.2. Persistence and degradability**

No data available

**12.3. Bioaccumulative potential**

No data available

**12.4. Mobility in soil**

No data available

**12.5. Results of PBT and vPvB assessment**

The substances in the mixture do not meet the PBT/vPvB criteria according to UK REACH.

**12.6. Endocrine disrupting properties**

This product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms as no components meets the criteria.

**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.

**SECTION 14: Transport information**
**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**
**National regulatory information**

Water hazard class (D): - - non-hazardous to water

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**SECTION 16: Other information****Changes**

This data sheet contains changes from the previous version in section(s): 11.

**Classification for mixtures and used evaluation method according to GB CLP Regulation**

Classification	Classification procedure
Skin Irrit. 2; H315	Calculation method
Eye Irrit. 2; H319	Calculation method
STOT SE 3; H335	Calculation method

**Relevant H and EUH statements (number and full text)**

H302	Harmful if swallowed.
H312	Harmful in contact with skin.
H315	Causes skin irritation.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H332	Harmful if inhaled.
H335	May cause respiratory irritation.

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