

Corundum for sandblasting

Revision: 04.05.2026

Product code: AOAL080-0220

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

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Further trade names

AOAL080, AOAL100, AOAL120, AOAL120.20, AOAL180, AOAL220, AOEK120

Substance name: Aluminium oxide

REACH Registration Number: 01-2119529248-35-

CAS No: 1344-28-1

EC No: 215-691-6

1.2. Relevant identified uses of the substance or mixture and uses advised against**Use of the substance/mixture**

Reserved for industrial and professional use.

1.3. Details of the supplier of the safety data sheet**Manufacturer**

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: Dr. Martin Schade

Telephone: +49 2129 5568-300

E-mail: MSDS@bohle.de

Internet: www.bohle.com

Responsible Department: Chemie

Supplier

Company name: Bohle Ltd

Street: Fifth Avenue, Tameside Park

Place: GB-SK14 6PP Dukinfield, Cheshire

Telephone: 0161 342 1100

E-mail: info@bohle.ltd.uk

1.4. Emergency telephone

0344 892 0111

number:

Office hours only.

SECTION 2: Hazards identification**2.1. Classification of the substance or mixture****Regulation (EC) No 1272/2008**

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

Verordnung (EG) Nr. 1272/2008

Der Stoff ist nicht als gefährlich eingestuft im Sinne der Verordnung (EG) Nr. 1272/2008.

2.2. Label elements**SECTION 3: Composition/information on ingredients****3.1. Substances****Chemical characterization**

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Relevant ingredients

CAS No	Chemical name			Quantity
	EC No	Index No	REACH No	
	Classification (Regulation (EC) No 1272/2008)			
1344-28-1	Aluminium oxide			>95 %
	215-691-6		01-2119529248-35	
13463-67-7	titanium dioxide			< 5 %
	236-675-5			

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. In case of respiratory tract irritation, consult a physician.

After contact with skin

Wash with plenty of water.

After contact with eyes

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.

Continue rinsing. In case of eye irritation consult an ophthalmologist.

After ingestion

Rinse mouth immediately and drink plenty of water. Do NOT induce vomiting. Call a doctor if you feel unwell.

4.2. Most important symptoms and effects, both acute and delayed

No known symptoms to date.

4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures
5.1. Extinguishing media
Suitable extinguishing media

The product itself does not burn. Co-ordinate fire-fighting measures to the fire surroundings.

Unsuitable extinguishing media

none

5.2. Special hazards arising from the substance or mixture

none

5.3. Advice for firefighters

Co-ordinate fire-fighting measures to the fire surroundings.

Additional information

none

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

Avoid dust formation.

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6.2. Environmental precautions

No special environmental measures are necessary.

6.3. Methods and material for containment and cleaning up
Other information

Take up mechanically, placing in appropriate containers for disposal.

6.4. Reference to other sections

Safe handling: see section 7

Personal protection equipment: see section 8

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

Avoid dust formation.

Advice on protection against fire and explosion

No special fire protection measures are necessary.

Advice on general occupational hygiene

Minimum protective measures according to TRGS 500

Do not eat, drink or smoke when using this product. Keep away from food, drink and animal feedingstuffs.

Wash hands before breaks and after work. Avoid contact with skin, eyes and clothes.

Remove contaminated, saturated clothing. Additional hand protection measures: preventive skin protection

Further information on handling

none

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

Keep container dry.

Hints on joint storage

none

7.3. Specific end use(s)

Abrasive

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

CAS No	Substance	ppm	mg/m ³	fibres/ml	Category	Origin
1344-28-1	Aluminium oxides, respirable dust	-	4		TWA (8 h)	WEL
13463-67-7	Titanium dioxide, respirable	-	4		TWA (8 h)	WEL

Additional advice on limit values

To follow: National regulations of Occupational exposure limit values

Dust safety masks are recommended when the dust concentration is more than 10 mg/m³.

8.2. Exposure controls
Appropriate engineering controls

Technical measures and the application of suitable work processes have priority over personal protection equipment. Provide adequate ventilation as well as local exhaustion at critical locations.

Individual protection measures, such as personal protective equipment
Eye/face protection

goggles EN 166

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Hand protection

Wear suitable gloves. Chromate-free leather

Respiratory protection

Dust safety masks are recommended when the dust concentration is more than 10 mg/m³.

Filtering Half-face mask (EN 149)

Environmental exposure controls

SECTION 6: Accidental release measures

See section 7. No additional measures necessary.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state:	solid, powder	
Colour:	white - brown	
Odour:	none	
Melting point/freezing point:		ca. 2000 °C
Boiling point or initial boiling point and boiling range:		not applicable
Lower explosion limits:		not applicable
Upper explosion limits:		not applicable
Flash point:		not applicable
Auto-ignition temperature:		not applicable
pH-Value:		not applicable
Water solubility:		insoluble
Vapour pressure:		not applicable
Density (at 20 °C):		ca. 4 g/cm ³

9.2. Other information

Other safety characteristics

Solvent content:	0%
Solid content:	100%
Flow time:	not applicable

SECTION 10: Stability and reactivity

10.1. Reactivity

This material is considered to be non-reactive under normal use conditions.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

none

10.4. Conditions to avoid

none

10.5. Incompatible materials

None known.

10.6. Hazardous decomposition products

None known.

Further information

No hazards to be specially mentioned.

SECTION 11: Toxicological information

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11.1. Information on hazard classes
Acute toxicity

No data available

Carcinogenic/mutagenic/toxic effects for reproduction

Practical experiences do not give any evidence for CMR activity of categories 1 or 2.

11.2. Information on other hazards
Further information

Health injuries are not known or expected under normal use.

SECTION 12: Ecological information
12.1. Toxicity

none

12.2. Persistence and degradability

According to experiences this product is inert and not degradable.

12.4. Mobility in soil

none

12.5. Results of PBT and vPvB assessment

This substance does not meet the PBT/vPvB criteria of UK REACH.

12.6. Endocrine disrupting properties

This substance does not have endocrine disrupting properties with respect to non-target organisms.

12.7. Other adverse effects

None known.

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

In accordance with local and national regulations.

List of Wastes Code - residues/unused products

120117 WASTES FROM SHAPING AND PHYSICAL AND MECHANICAL SURFACE TREATMENT OF METALS AND PLASTICS; wastes from shaping and physical and mechanical surface treatment of metals and plastics; waste blasting material other than those mentioned in 12 01 16

Contaminated packaging

In accordance with local and national regulations.

SECTION 14: Transport information
Land transport (ADR/RID)
14.1. UN number or ID number:

No dangerous good in sense of this transport regulation.

Inland waterways transport (ADN)
14.1. UN number or ID number:

No dangerous good in sense of this transport regulation.

Marine transport (IMDG)
14.1. UN number or ID number:

No dangerous good in sense of this transport regulation.

Air transport (ICAO-TI/IATA-DGR)
14.1. UN number or ID number:

No dangerous good in sense of this transport regulation.

14.5. Environmental hazards

ENVIRONMENTALLY HAZARDOUS: No

SECTION 15: Regulatory information

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

Directive 2004/42/EC on VOC in
paints and varnishes: 0%

Additional information

None known.

National regulatory information

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

15.2. Chemical safety assessment

For this substance a chemical safety assessment has not been carried out.

SECTION 16: Other information**Changes**

This data sheet contains changes from the previous version in section(s): 2.

Further Information

The information is based on the present level of our knowledge. It does not, however, give assurance of product properties and establishes no contract legal rights.

The receiver of our product is singularly responsible for adhering to existing laws and regulations.