

Material Safety Data Sheet

Aluminium Oxide
Blasting Compound

Date of issue / Reference

20.04.2009 liprt / Version 1

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28.04.2009

Sheet No. 1766

Version 1

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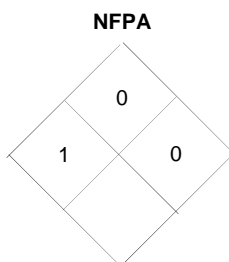
Company

Ivoclar Vivadent AG, Bendererstrasse 2, FL - 9494 Schaan
Fürstentum Liechtenstein

1 Commercial product name and supplier

1.1 Commercial product name /
Designation

**Aluminium Oxide
Blasting Compound**



HMIS	
H	1
F	0
R	0

1.2 Application / Use

Jet medium

1.3 Producer

Ivoclar Vivadent, Inc.
175 Pineview Drive, Amherst NY 14228, USA

1.4 Supplier

Ivoclar Vivadent, Inc.
175 Pineview Drive, Amherst NY 14228, USA
2785 Skymark Ave., Unit 1 Mississauga, ON L4W4Y3, Canada
MSDS prepared by Anderjeet Gulati. Tel. No. 716 691-0010

1.5 24 Hour Emergency Assistance

Emergency-Call USA- Infotrac: 1-800-535-5053
Emergency-Call Canada - Canutec: 1-613-996-6666

General MSDS Assistance

US: 1-800-533-6825
Canada: 1-800-263-8182

2 Composition

2.1 Chemical characterization

> 99% Aluminium Oxide (CAS-No. 1344-28-1)

2.2 Hazardous components

None.

2.3 Further information

None.

3 Hazards identification

Dust generation. Avoid breathing dust. Grinding dust (see 8.3.1).

4 First aid measures

4.1 Eye contact

With dust: Flush eyes with plenty of water; mechanical effects only.
Call a physician if irritation persists.
Consult a physician if irritation persists.

4.2 Skin contact

Wash thoroughly with soap and water.
Call a physician if irritation persists.

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- 4.3 Ingestion Give large amounts of water.
- 4.4 Inhalation Take into fresh air.
If respiratory irritation is experienced, call a physician.
- 4.5 Further information None.
-

5 Fire-fighting measures

- 5.1 Suitable extinguishing media Not required, not flammable.
- 5.2 Extinguishing media to avoid Not required since not combustible.
- 5.3 Flash point
not flammable
- 5.4 Ignition temperature
not combustible
- 5.5 Explosion limits
Lower:
Upper:
not applicable
- 5.6 Further information None.
-

Test method:

6 Accidental release measures

Clean up mechanically. Avoid dust build-up.
Dispose of according to local and national regulations.

7 Handling and storage

- 7.1 Handling Only adequately trained personnel should handle this product.
Avoid dust build-up.
- 7.2 Industrial hygiene Usual hygienic measures for dental practice.
Avoid breathing dust.
- 7.3 Storage Store in closed containers.
- 7.4 Place of storage Store in a dry place.
- 7.5 Fire- and explosion-protection Not required.
-

8 Exposure controls / Personal protection

- 8.1 Exposure controls Provide adequate local ventilation and appropriate dust handling systems.
- 8.2 Exposure limit values
- 8.3 Occupational exposure controls
- 8.3.1 Respiratory protection In dusty atmospheres, use an approved dust respirator P1.
Avoid breathing dust.

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8.3.2 Hand protection

Gloves.

8.3.3 Eye protection

Safety goggles.

8.3.4 Other

Use only with adequate ventilation.

8.4 Environmental exposure controls

Not relevant.

9 Physical and chemical properties

9.1 Appearance

powder

9.2 Colour

white

9.3 Odour

odourless

9.4 Change of physical state

Test method:

9.5 Density

3.95 g/cm³

9.6 Vapour pressure

not applicable

9.7 Viscosity

not applicable

9.8 Solubility

Solubility in water

non soluble

9.9 pH

Not applicable.

9.10 Further information

Part. coeff. n-octanol/water

Evaporat. rate

None.

10 Stability and reactivity

10.1 Thermal decomposition

Stable under normal handling and storage conditions.

10.2 Hazardous decomposition products

None, if used in accordance to instructions.

10.3 Conditions / materials to avoid

none known

10.4 Further information

None.

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11 Toxicological information

- 11.1 Acute toxicity Inhalation of dust. Pay attention to the dust exposure limit.
- 11.2 Subacute / Chronic toxicity None, if used in accordance to instructions.
- 11.3 Further information Dust may irritate eyes.
-

12 Ecological information

- 12.1 Ecotoxicity No data available.
- 12.2 Mobility No data available.
- 12.3 Persistence and degradability No data available.
- 12.4 Bioaccumulative potential No data available.
- 12.5 Further information No ecological problems to be anticipated if properly handled and used.
non soluble
-

13 Disposal considerations

Take to an approved landfill or a waste incineration plant, under conditions approved by the local authority.

14 Transport information

- 14.1 Transport at land
- | | | | |
|----------------------|-----|---------------|-----|
| ADR | --- | RID | --- |
| UN Number | --- | Kemler Number | --- |
| Packing Group | --- | | |
| Proper shipping name | | | |
- 14.2 Transport at sea
- | | | | |
|----------------------|-----|------|-----|
| ADNR | --- | IMDG | --- |
| UN Number | --- | | |
| EMS | --- | MFAG | --- |
| Packing Group | | | |
| Proper shipping name | --- | | |
| Marine pollutant | | | |

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14.3	Air transport	ICAO / IATA-DGR	---
		UN Number	---
		Proper shipping name	---
		Subsidiary Risk	---
		Labels	---
		Packing Group	---
	Passenger airplane	Packing Instructions	---
		max.	---
	Cargo Airplane	Packing Instructions	---
		max.	---

14.4 Further information

Product is not classified as a dangerous good for transport.

15 Regulatory information

This product does not require classification as Dangerous Goods.

15.1 National regulations

15.2 NFPA Storage

15.3 Further information

None.

16 Other information

None.

The above mentioned data correspond to our present state of knowledge and experience. The safety data sheet serves as description of the products in regard to necessary safety measures. The indications do not have the meaning of guarantees on properties.

