



Product name: Inorganic bonded abrasives
 Print date: 28.01.2011 Revision date: 13.01.2011

1. Identification of the product and of the company/undertaking

1.1 Identification of the product

Product name: Dressing stone (Order No. 92002460)

1.2 Use of the product: Inorganic bonded abrasives; use in portable machines for roughdressing of pieces

1.3 Company identification:

ATM GmbH
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 D-57636 Mammelzen
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2. Hazards Identification

Not applicable.

Abrasives are articles and not dangerous substances or preparations according to directive 1999/45/EC.
 See also section 8 and 16.

3. Composition/Information on Ingredients

The product contains the following ingredients which are classified according to 67/548/EEC and 99/45/EC.

Name	EC No. (ELINCS/EINECS)	CAS No.	Concentration range	Classification
Aluminum oxide	215-691-6	1344-28-1	87-90%	Xi R37
Quartz (SiO ₂)	238-878-4	14808-60-7	1-2%	Xn R48/20

(For the full text of the R-phrases see section 16)

4. First Aid Measures

See also section 8 and 16.

Inhalation: Not possible, due to the form of the product
 Eye contact: Not possible, due to the form of the product
 Skin contact: No harmful effects known
 Ingestion: Not likely, due to the form of the product; if necessary contact physician
 Note to physician: Not available.

5. Fire Fighting Measures

Toxic fumes may occur. Use respiratory protective equipment.

Extinguishing media: Water, foam, sand, powder or CO₂ as appropriate for surrounding materials.

6. Accidental Release Measures

Not applicable.

7. Handling and Storage

Follow instructions of grinding machine manufacturers and the relevant national regulations. In addition, observe the safety recommendations of the manufacturer.



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8. Exposure Controls / Personal Protection

Before grinding it is recommended to perform a risk assessment and to use personal protection equipment accordingly.

- 8.1. Occupational exposure limit values and/or biological limit values
 Keep exposure to the following components under surveillance (Observe also the regional official regulations)

	Name	CAS No.	Specification	Concentration limits (daily average value)	Short term value	remarks
	Quartz (SiO ₂)	14808-60-7	Crystalline silica, breathable fraction	0.1 VLA-ED mg/m ³		
	Aluminum oxide	1344-28-1		10 VLA-ED mg/m ³		

Note: Hazardous dust of the workpiece material may be generated during grinding and/or sanding operations. National regulations for dust exposure limit values have to be taken into consideration.

- 8.2. Exposure controls
- 8.2.1. Occupational exposure controls
- 8.2.1.1. Respiratory protection: Use respiratory protective equipment (type depends on specific application and material being ground)
- 8.2.1.2. Hand protection: Wear protective gloves (type depends on specific application and material being ground)
- 8.2.1.3. Eye protection: Wear protective goggles or face shield (type depends on specific application and material being ground)
- 8.2.1.4. Hearing protection: Use hearing protection (type depends on specific application and material being ground)
- 8.2.1.5. Body protection: Use protective clothing (type depends on specific application and material being ground)

9. Physical and Chemical Properties

- 9.1 Physical state: Solid
- 9.2 Colour: Based on the product
- 9.3 Water solubility: Insoluble

10. Stability and Reactivity

Stability: Inorganic bonded abrasives are stable when handled or stored correctly.

Reactivity

- 10.1 Conditions to avoid: No decomposition in normal use.
- 10.2 Materials to avoid: No dangerous reactions known.
- 10.3 Hazardous decomposition products: No hazardous decomposition products known.

11. Toxicological Information

No toxicological effects if inhaled or swallowed or with eye or skin contact are known.
 See also section 8.



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12. Ecological Information

- 12.1 **Ecotoxicity:** no effects known
12.2 **Mobility:** no potentials known
12.3 **Persistence / degradability:** no biodegradable potentials known
12.4 **Bioaccumulative potential:** no potentials known
12.5 **Other hazardous effects:** no effects known

13. Disposal Considerations

13.1 **Product:** Follow national and regional regulations!

[X] Due to the ingredients and properties disposal as non hazardous waste (2000/532/EC) is possible if no hazardous materials are added to the abrasives. (EWC – Nr. 120121),

[O] Due to the ingredients and properties disposal as hazardous waste (2000/532/EC) (EWC – Nr. 120120)

13.2 **Packing:** Follow national and regional regulations!

14. Transport Information

The product is not covered by international regulation on the transport of dangerous goods.

15. Regulatory Information

No specific labelling requirements under respective EC directives.

16. Other Information

Lists of pertinent phrases R

48/20 Injurious: risks of serious effects for the health in case of exhibition prolonged by inhalation

37 Irritating: It irritates the respiratory tract

Pictograms:



List of pertinent phrases S:

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The abrasive products agglomerates are inert products that do not generate risk in their manipulation and storage. Its use in the rectifying machines requires specific actions to protect to workers. During the rectified operation of, 90% or more of dust particles come from the material that it is being rectified and, in case of rectified in humid, of the aerosols that the coolant generates.

Consequently, it is necessary to pay special attention to the nature of the piece and the fluid, as well as to install suitable equipment to extract these materials that are generated. A suitable ventilation is recommended.

The above information is based on our current standard of knowledge and does not constitute any warranty of conditions of the product. The information does not form part of any contractual agreement. It remains the user's responsibility to adhere existing laws and regulations.