



Distributor: Mager Scientific
1100 Baker Rd.
P.O. Box 160
Dexter MI 48130-0160

Phone: (734) 426-3885

Distributor Product No.

CO-142

CO-144

CO-145

Dear Customer:

In order to comply with the Hazard Communication Law which went into effect November 25, 1985, attached is the material safety data sheet pertaining to our product noted above.

Additional sheets are available upon request. Please feel free to contact us if we can be of further assistance.

Sincerely,

Mager Scientific, Inc.
Customer Service



Product name: Organic bonded abrasives
Printing date: 06.05.2010 Revision date: 19.08.2007

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

1.1 Identification of the product

Product name: Corundum cut-off wheels for precision wet abrasive cut-off machines
(Order No. 92002643, 92002769, 92002770)

1.2 Use of the product: Organic bonded abrasives used for grinding/cutting of different materials

1.3 Company identification:

ATM GmbH
Emil-Reinert-Str. 2
D-57636 Mammelzen
Telefon: +49 (0)2681-95390
Mail: info@atm-m.com www.atm-m.com

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	CAS	EC No. (ELINCS/EINECS)	Concentration area	Classification	R-Phrases
Sodium aluminium fluoride	15096-52-3	239-148-8	<15%	T; N; Xn	R20/22 R48/23/25 R51/53

(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.



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7. Handling and Storage

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

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	EC No. (ELINCS/EINECS)	Concentration (Daily average value)
sodium aluminium fluoride	15096-52-3	239-148-8	2.5 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:** various
- 9.3 Solubility in water:** not applicable

10. Stability and Reactivity

Stability

Bonded Abrasives are stable when handled or stored correctly.

Reactivity

- 10.1 Conditions to avoid:** No decomposition in normal storage.
- 10.2 Materials to avoid:** No dangerous reactions known.
- 10.3 Hazardous decomposition products:** At temperatures exceeding 250°C hazardous or toxic decomposition products may be generated.



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11. Toxicological Information

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

12. Ecological Information

12.1 Ecotoxicity:	no effects known
12.2 Mobility:	no potentials known
12.3 Persistence and 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!
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

R 20/22	Harmful by inhalation and if swallowed
R 48/23/25	Toxic: danger of serious damage to health by prolonged exposure through inhalation and if swallowed
R 51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment

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.