



FEDERATION EUROPEENNE DES  
FABRICANTS DE PRODUITS  
ABRASIFS

**metabo**<sup>®</sup>

Product name  
Grinding wheel  
EC-Material Safety Data Sheet  
version/date: 26.02.10  
page 1 of 4

**MATERIAL SAFETY DATA SHEET FOR ORGANIC BONDED ABRASIVES**  
-Formatted by FEPA as per EC Directive 91/155/EG and ISO Standard 11014 - 1

**1. Identification of Product and Company:**

**Product Name:**

**Grinding wheels 125 x 6 x 22,2 A24BF 6.16462**

**Order No.**

**Application**

Organic bonded abrasives for grinding of different materials.

**Company identification:**

Company: **METABO**

Address:

Telefon: 0 70 22 72 24 01

Fax:

E-mail: hstreicher@metabo.de

**2. Composition/Information on Ingredients**

The product contains the following marking required ingredients as per 67/548 EEC and 99/45 EC

|  | Name    | CAS        | EG Nr.<br>(ELINCS/EINECS) | Concentration<br>area | Classifi-<br>cation | R-Phrases            |
|--|---------|------------|---------------------------|-----------------------|---------------------|----------------------|
|  | Kryolit | 15096-52-3 | 237-410-6                 | 6 – 8 %               | T, N, Xn            | 20/22/23/25/48/51/53 |
|  | x       | x          | x                         | x                     | x                   | x                    |
|  | x       | x          | x                         | x                     | x                   | x                    |

**3. Hazards Identification**

Not applicable

Abrasives are not dangerous substances or preparations as defined in EC directive N° 99/45.  
See also section 8 and 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

**5. Fire Fighting Measures**



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version/date: 26.02.10  
page 2 of 4

Toxic fumes may occur. Use respiratory protective equipment.

Extinguishing Media: water, foam, sand, powder or CO<sub>2</sub> as appropriate for surrounding materials

## 6. Accidental release measures

Not applicable.

## 7. Handling and Storage

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

## 8. Exposure Controls / Personal Protection

Before grinding, risk assessment should be performed and individual personal protection measures adopted accordingly.

### 8.1. Exposure limits

Keep limits of the following components under surveillance

(Observe the regional official regulations for dust)

|  |                                  |            |   |                                                                    |
|--|----------------------------------|------------|---|--------------------------------------------------------------------|
|  | Trisodium<br>Hexafluoroaluminate | 15096-52-3 | x | TLV (ACGIH-USA) 2001 TWA=2,5 mg/m <sup>3</sup><br>(Flourides, aSF) |
|  | x                                | x          | x | x                                                                  |
|  | x                                | x          | x | x                                                                  |
|  | x                                | x          | x | x                                                                  |
|  |                                  |            |   |                                                                    |
|  |                                  |            |   |                                                                    |

Note: Hazardous dust of workpiece material may be generated during grinding and/or sanding operations.

### 8.2. Exposure control and limitations

#### 8.2.1. Exposure control and limitations of the work environment

Observe the regional official regulations for dust

##### 8.2.1.1. Respiratory protection: Use respiratory 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)

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                   |                                                                                                          |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------|
| <br>FEDERATION EUROPEENNE DES<br>FABRICANTS DE PRODUITS<br>ABRASIFS                                                                                                                                                                                                                                                                                                                                                                              |  | Product name<br>Grinding wheel<br>EC-Material Safety Data Sheet<br>version/date: 26.02.10<br>page 3 of 4 |
| 8.2.1.5. Body protection: Use protective clothing<br>(type depends on specific application and material being ground)                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                   |                                                                                                          |
| <b>9. Physical and Chemical Properties</b><br><br><div> <div>9.1</div> <div>Physical state:</div> <div>solid</div> </div> <div> <div>9.2</div> <div>Colour:</div> <div>depending of product type</div> </div> <div> <div>9.3</div> <div>Solubility in water:</div> <div>not indicated</div> </div>                                                                                                                                                                                                                                |                                                                                   |                                                                                                          |
| <b>10. Stability and Reactivity</b><br><br>Stability<br>Bonded Abrasives are stable when handled or stored<br><br>Reactivity<br><div> <div>10.1</div> <div>Conditions to avoid:</div> <div>No decomposition in normal storage.</div> </div> <div> <div>10.2</div> <div>Materials to avoid:</div> <div>No dangerous reactions known.</div> </div> <div> <div>10.3</div> <div>Hazardous decomposition products:</div> <div>At temperatures exceeding 250° C hazardous or toxic decomposition products may be generated</div> </div> |                                                                                   |                                                                                                          |
| <b>11. Toxicological Information</b><br><br>No toxicological effects if inhaled or swallowed or with eye or skin contact are known.<br>See also section 8.                                                                                                                                                                                                                                                                                                                                                                        |                                                                                   |                                                                                                          |
| <b>12. Ecological Information</b><br><br><div> <div>12.1</div> <div>Ecotoxicity:</div> <div>no effects known</div> </div> <div> <div>12.2</div> <div>Mobility:</div> <div>no potentials known</div> </div> <div> <div>12.3</div> <div>Persistence and degradability:</div> <div>no biodegradable potentials known</div> </div> <div> <div>12.4</div> <div>Bioaccumulative potential:</div> <div>no potentials known</div> </div> <div> <div>12.5</div> <div>Other hazardous effects:</div> <div>no effects known</div> </div>     |                                                                                   |                                                                                                          |
| <b>13. Disposal Considerations</b><br><br>13.1. Product<br>Follow national and regional regulations!<br><br><div> <div>x</div> <div>Due to the ingredients (sum concentration under the limit) disposal as non hazardous waste (2000/532/EC) is possible if no hazardous materials are added to the abrasives. (EWC – Nr. 120121),</div> </div> <div> <div>0</div> <div>Due to the ingredients (sum concentration above the limit) disposal as hazardous waste (2000/532/EC) (EWC – Nr. 120120)</div> </div>                      |                                                                                   |                                                                                                          |

