



# MATERIAL SAFETY DATA SHEET

PART NUMBERS: 10 99 230

## SECTION 1 PRODUCT IDENTIFICATION AND MANUFACTURE

**SUPPLIER:** METPREP LTD.  
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**DESCRIPTION:** Abrasive Cut off Wheel

**PRODUCT:** 10-99-230 230 x 1.6 x 32mm TYPE 3 H

## SECTION 2 SUBSTANCE HAZARD IDENTIFICATION

### 2.1. Classification of the substance or mixture

Not applicable

Abrasives are articles and not dangerous substances or mixtures according to directive 1999/45/EC or Regulation (EC) N° 1272/2008.

See also section 8 and 16.

### 2.2. Label elements

Abrasives are articles and not dangerous substances or mixtures and therefore no labelling is required according to directive 1999/45/EC or Regulation (EC) N° 1272/2008.

### 2.3. Other hazards

Not known

## SECTION 3 COMPOSITION / INFORMATION ON INGREDIENTS

The product contains the following ingredients which are classified according to 67/548/EEC or Regulation (EC) Nr. 1272/2008 or for which a community occupational exposure limit value exists:

Substance	EC-N°	CAS-N°	REACH Registration N°	Conc. (%)	Classification acc. to Regulation (EC) N° 1272/2008 (CLP)		Classification acc. to Directive 67/548/EWC
					Hazard classes/ hazard categories	Hazard statements	
Aluminium Oxide	251-691-6	1344-28-1	01-2119529248 -35-0043	<95	N/A	N/A	N/A

## SECTION 4 FIRST AID MEASURES



See also section 8 and 16

#### **4.1. Description of first aid measures**

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.

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

Not known.

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

Not relevant. Treat symptomatically.

### **SECTION 5 FIRE FIGHTING MEASURES**

#### **5.1. Extinguishing media**

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

#### **5.2. Special hazards arising from the substance or mixture**

Toxic fumes may occur. Use respiratory protective equipment.

#### **5.3. Advice for firefighters**

Extinguishing materials should be selected according to the surrounding area.

### **SECTION 6 ACCIDENTAL RELEASE MEASURES**

Not applicable.

### **SECTION 7 HANDLING AND STORAGE**

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

### **SECTION 8 EXPOSURE CONTROL/PERSONAL PROTECTION**



## 8.1. Control parameters

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

*Occupational exposure limit values and/or biological limit values*

Keep exposure to the following components under surveillance.  
(Observe also the regional official regulations)

Limit value type (country of origin)	substance	EC-N°	CAS-N°	Occupational limit value				Peak limit	source, remark
				Long term		Short term			
				mg/m <sup>3</sup>	ml/m <sup>3</sup> (ppm)	mg/m <sup>3</sup>	ml/m <sup>3</sup> (ppm)		
	Aluminium Oxide	215-691-6	1344-28-1	15				Respirable fraction.	

Note: Hazardous dust of the work piece 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. Individual protection measures

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)

## SECTION 9

## PHYSICAL AND CHEMICAL PROPERTIES

### 9.1. Information on basic physical and chemical properties

9.1 Physical state: SOLID

9.2 Colour: BROWN / BLACK

9.3 Solubility in water: NO

### 9.2. Other information

None

## SECTION 10

## STABILITY AND REACTIVITY PROPERTIES

### 10.1. Reactivity



Bonded Abrasives are stable when handled or stored correctly.

#### **10.2. Chemical stability**

No decomposition in normal use.

#### **10.3. Possibility of hazardous reactions**

No dangerous reactions known.

#### **10.4. Conditions to avoid**

Bonded Abrasives are stable when handled or stored correctly.

#### **10.5. Incompatible materials**

No dangerous reactions known.

#### **10.6. Hazardous decomposition products**

At temperatures exceeding 250° C hazardous or toxic decomposition products may be generated.

### **SECTION 11 TOXICOLOGICAL INFORMATION**

#### **11.1. Information on toxicological effects**

No toxicological effects if inhaled or swallowed or with eye or skin contact are known.

See also section 8.

### **SECTION 12 ECOLOGICAL INFORMATION**

#### **12.1. Toxicity**

No effects known.

#### **12.2. Persistence and degradability**

No biodegradable potentials known.

#### **12.3. Bioaccumulative potential**

No potentials known.

#### **12.4. Mobility in soil**

No potentials known.

#### **12.5. Results of PBT and vPvB assessment**

Not relevant.

#### **12.6. Other adverse effects**

No effects known.

### **SECTION 13 DISPOSAL CONSIDERATIONS**

#### **13.1. Waste treatment methods**

##### 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.

### **SECTION 14 TRANSPORT INFORMATION**



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

<b>SECTION 15</b>	<b>REGULATORY INFORMATION</b>
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**15.1. Safety, health and environmental regulations/legislation specific for the product**

No specific labelling requirements under respective EC directives.

**15.2. Chemical safety assessment**

Not relevant.

<b>SECTION 16</b>	<b>OTHER INFORMATION</b>
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**Changes to the previous versions**

See sections 1 to 16.

**Literature and data sources**

Directive (1999/45/EC), amended by Regulation (EC) N°. 1907/2006.  
Directive (67/548/EWG), amended by Directive 2009/2/EC.  
REACH Regulation (EC) Nr. 1907/2006, amended by Regulation (EC) N° 552/2009.  
Regulation (EC) N° 1272/2008, amended by Regulation (EC) N° 790/2009.  
Directive 2000/39/EG, amended by Directive 2009/161/EC  
Directive 75/324/EWG, amended by Regulation (EC) N° 219/2009.  
Transport regulations according to ADR, RID und IATA.

**Hazard statements referred to in section 2 and 3**

**According to Regulation (EC) N° 1272/2008:**

H ...

**According to Directive 67/548/EWC:**

R 36 / 37 / 38.