



# MATERIAL SAFETY DATA SHEET

PART NUMBERS: 10 99 53

## SECTION 1 PRODUCT IDENTIFICATION AND MANUFACTURE

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

**PRODUCT:** 10-99-53 406 x 3.2 x 32mm TYPE FEM

## 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.

## SECTION 15 REGULATORY INFORMATION

### 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.

## SECTION 16 OTHER INFORMATION

### 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.