



MATERIAL SAFETY DATA SHEET

PART NUMBERS: 10 99 432R

SECTION 1 PRODUCT IDENTIFICATION AND MANUFACTURE

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DESCRIPTION: Abrasive Cut off Wheel

PRODUCT: 10-99-432R 432 x 3.2 x 32mm TYPE FES

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 CO₂ 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 ³	ml/m ³ (ppm)	mg/m ³	ml/m ³ (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.