



FEDERATION EUROPEENNE DES
FABRICANTS DE PRODUITS ABRASIFS



Reference: 636789

Revision: 08.01.2014

Printing date: 12.12.2014

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**Voluntary product information based on the format of a safety data sheet
for organic bonded abrasives**

1. Identification of Product and Company

1.1 Product Identifier: 636789

27 GRINDING WHEEL

125 X 4 X 22,23

A 36 N- BFX

PREMIUM***

1.2 Use of the product

Organic bonded abrasives used for grinding/cutting of different materials

1.3 Company identification:

Company: **TYROLIT Schleifmittelwerke Swarovski KG**

Address: Swarovskistrasse 33
A-6130 Schwaz

Phone: + + 43 5242 606 2572
Fax: + + 43 5242 606 12572
E-mail: umweltabteilung@tyrolit.com

1.4 Emergency telephone number:,

Environmental Department + + 43 664 8292 740

2. Hazards Identification

2.1. Classification

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.

3. Composition/Information on Ingredients

The product contains 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°	Concentration (%)	Classification acc. to Regulation (EC) N° 1272/2008 (CLP)		Classification acc. to
				Hazard classes/ hazard categories	Hazard statements	
Sodium-Aluminium-	237-410-6	13775-53-6	< 15	Acute Tox. 4* Acute Tox. 4*	H302 H332	T; R48/23/25 Xn; R20/22

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Fluoride				STOT RE 1 Aquatic chronic 2	H362 H372 H411	N; R51/53 R64
<p>(For the full text of the H-phrases and the R-phrases see section 16)</p> <p>The wheel was produced without addition of fillers containing chlorine (Cl), sulfur (SO₄), iron (Fe), copper(Cu) and zinc (Zn). Suitable for stainless steel conditioning.</p>						
<p>4. First Aid Measures</p> <p>See also section 8 and 16</p> <p>4.1. Description of first aid measures</p> <p>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.</p> <p>4.2. Most important symptoms and effects, both acute and delayed</p> <p>Not known.</p> <p>4.3. Indication of any immediate medical attention and special treatment needed</p> <p>Not relevant. Treat symptomatically.</p>						
<p>5. Fire Fighting Measures</p> <p>5.1. Extinguishing media</p> <p>Extinguishing media: water, foam, sand, powder or CO₂ as appropriate for surrounding materials.</p> <p>5.2. Special hazards arising from the product</p> <p>Toxic fumes may occur. Use respiratory protective equipment.</p> <p>5.3. Advice for fire fighters</p> <p>Extinguishing materials should be selected according to the surrounding area.</p>						
<p>6. Accidental release measures</p> <p>Not applicable.</p>						
<p>7. Handling and Storage</p> <p>Follow instructions of grinding machine manufacturers and the relevant national regulations. In addition, observe the safety recommendations of the manufacturer.</p>						



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8. Exposure Controls / 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/m³	ml/m³ (ppm)	mg/m³	ml/m³ (ppm)		
MAK (A)	Fluoride	237-410-6	13775-53-6	2,5		12,5			GKV

Note: Hazardous dust of 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. 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)

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

10.1. Reactivity

Abrasives are stable when handled or stored correctly.

10.2. Chemical stability

Abrasives are stable when handled or stored correctly.

10.3. Possibility of hazardous reactions

No dangerous reactions known.

10.4. Conditions to avoid

No decomposition in normal use.

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.



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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. 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.

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

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.

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:



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H302	Harmful if swallowed.
H332	Harmful if inhaled.
H362	May cause harm to breast-fed children.
H372	Causes damage to organs through prolonged or repeated exposure.
H411	Toxic to aquatic life with long lasting effects.

According to Directive 67/548/EWC:

R20	Harmful by inhalation
R48/23/25	Toxic: danger of serious damage to health by prolonged exposure through inhalation and if swallowed
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
R64	May cause harm to breast-fed babies

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.

Issued by: Environmental Department
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