



FEDERATION EUROPEENNE DES  
FABRICANTS DE PRODUITS ABRASIFS



Reference: 34549646  
Revision: 01.01.2022  
Printing date: 08.04.2025  
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**Voluntary product information based on the format of a safety data sheet  
for metal bonded abrasives**

**1. Identification of Product and Company**

**1.1 Product Identifier:** 34549646

C71W 50093AO DIAMOND SAW  
800 X 4,4 / 3,5 X 60  
20 - 4,4 - 13 X 12 X M255  
WSM\*\*\*  
TGD® Technology

**1.2 Use of the product**

Metal bonded abrasives used for grinding/cutting of different materials

**1.3 Company identification:**

Company: **TYROLIT Schleifmittelwerke Swarovski AG & CoK.G.**

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 5242 606 2216

**2. Hazards Identification**

**2.1. Classification**

Not applicable.  
Abrasives are articles and not dangerous substances or mixtures according to 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 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 Regulation (EC) Nr. 1272/2008 or for which a community occupational exposure limit value exists:

Substance	EC-N°	CAS-N°	REACH Registrierungs-Nr.	Conce ntratio	Classification acc. to Regulation (EC) N° 1272/2008 (CLP)	
					Hazard classes/ hazard categories	Hazard statements
Cobalt	231- 158-0	7440-48-4		5 - 95	Carc. 1B Muta. 2	H341 H350



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Repr. 1B	H360F
Resp. Sens. 1	H413
Skin Sens. 1	H317
Aquatic Chronic 4	H334

(For the full text of the H-phrases see section 16)

#### 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.

#### 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 product

Toxic fumes may occur. Use respiratory protective equipment.

##### 5.3. Advice for fire fighters

Extinguishing materials should be selected according to the surrounding area.

#### 6. Accidental release measures

Not applicable.

#### 7. Handling and Storage

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



## 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/m <sup>3</sup>	ml/m <sup>3</sup> (ppm)	mg/m <sup>3</sup>	ml/m <sup>3</sup> (ppm)		
TLW-TWA	Cobalt	231-158-0	7440-48-4	0,02		0,02		ACGIH	

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

No hazardous decomposition products known..



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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.

### 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

REACH Regulation (EC) Nr. 1907/2006, amended by Regulation (EC) N° 830/2015..

Regulation (EC) N° 1272/2008, amended by Regulation (EC) N° 669/2018.

Directive 2000/39/EG, amended by Directive 2017/164/EC.

Transport regulations according to ADR, RID, IMDG and IATA..

TRGS 900

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

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

H341

Suspected of causing genetic defects < state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard> .



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H350	May cause cancer < state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard> .
H360F	May damage fertility.
H413	May cause long lasting harmful effects to aquatic life.
H317	May cause an allergic skin reaction.
H334	May cause allergy or asthma symptoms or breathing difficulties if inhaled.

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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