



FEDERATION EUROPEENNE DES  
FABRICANTS DE PRODUITS ABRASIFS



Reference: C3W Diamond Saw  
Version/date: 15.01.14  
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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:** 0835 090 7005, 0835 090 7006, 0835 090 7011

C3W (M-16) DIAMOND SAW

Div. Dimensions

BA80 Dry Diamond

**1.2 Use of the product:**

Metal bonded abrasives used for grinding/cutting of different materials

**1.3 Company identification:**

Company: **TYROLIT Schleifmittelwerke Swarovski KG**

Address: Swarovskistrasse 33

Phone: ++43 5242 606 2572

FAX: ++43 5242 606 12572

E-mail: umweltabteilung@tyrolit.com

**Emergency telephone number: USA/Canada 911**

**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 Directive 67/548/EWC
				Hazard classes/hazard categories	Hazard statements	



Nickel	231-111-4	7440-02-0	<20	Carc. 2 STOT RE 1 Skin sens. 1 Aquatic chronic 3	H351 H372 H317 H412	Carc.Cat. 3; R40, T; R43, R48/23 R52/53
Cobalt	231-158-0	7440-48-4	<20	Resp. Sens.. 1 Skin Sens. 1 Aquatic chronic 4	H334 H317 H413	Xn; R42/43 R53

(For the full text of the H-phrases and the R-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 CO<sub>2</sub> 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)		
WEL (UK)	Nickel	231-111-4	7440-02-0	0,1					
WEL (UK)	Cobalt	231-158-0	7440-48-4	0,1					

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. Information on basic physical and chemical properties

- 9.1.1 Physical state: solid
- 9.1.2 Colour: various
- 9.1.3 Solubility in water: not applicable

### 9.2. Other information

None.



## **10. Stability and Reactivity**

### **10.1. Reactivity**

Coated 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**

Coated Abrasives are stable when handled or stored correctly.

### **10.5. Incompatible materials**

No dangerous reactions known.

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

No hazardous decomposition products known.

## **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.

## **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. Waste treatment methods**

13.1.1 Product



Follow national and regional regulations.

Due to the ingredients and properties disposal as hazardous waste (2000/532/EC) (EWC – Nr. 120120)

#### 13.1.2 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:

H317 May cause an allergic skin reaction  
H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled  
H351 Suspected of causing cancer  
H372 Causes damage to organs through prolonged or repeated exposure  
H412 Harmful to aquatic life with long lasting effects  
H413 May cause long lasting harmful effects to aquatic life

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

R40 Limited evidence of a carcinogenic effect  
R42/43 May cause sensitization by inhalation and skin contact  
R43 May cause sensitisation by skin contact  
R48/23 Toxic: danger of serious damage to health by prolonged exposure through inhalation  
R52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment



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R53 May cause long-term adverse effects in the aquatic environment

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  
TYROLIT Schleifmittelwerke Swarovski KG