



FEDERATION EUROPEENNE DES FABRICANTS
DE PRODUITS ABRASIFS



Reference / Product name:
Diamond cutting blades, abrasive tools
Core drills group Co, Cu
Version / Revision (date): 25-11-2016
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**Voluntary product information based on the format of a safety data sheet
for metal bonded abrasives**

The diamond cutting blades and abrasive tools itself don't cause any harmful effects to human health and environment when they are handled or stored in an appropriate way. For grinding, operators should prepare safety equipments as goggles, dust mask/extraction facilities, ear protector, protective gloves and clothing to prevent themselves from possible dust, particles, heavy noise and unexpected risks.

1. Identification of the product and of the company/undertaking

1.1 Product identifier

Diamond core drills, group Co, Cu (Diamant-Bohrkronen Gruppe Co, Cu)

DE 600 B SUPRA, DK 612 B SUPRA, DK 654 B SUPRA, DO 900 B SPECIAL, DR 912 B SPECIAL

All dimension

1.2 Use of the product

Metal bonded abrasives for grinding / cutting of different kinds of materials.

1.3 Details of the supplier of the voluntary product information:

Company: KLINGSPOR Schleifsysteme GmbH & Co. KG

Address: Hüttenstr. 36
D-35708 Haiger

Phone: +49-(0)2773-922-0 Fax: +49-(0)2773-922-195

E-mail: andrea.hangg-krenzer@klingspor.de

1.4 Emergency telephone number:

+49-(0)551-19240

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.



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3. Composition/information on ingredients

The products contain the following 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 Registration N°	Conc. (%)	Classification acc. to Regulation (EC) N° 1272/2008 (CLP)	
					Hazard classes/ hazard categories	Hazard statements
Cobalt	231-158-0	7440-48-4			Carc. 1B Resp. Sens. 1. Skin. Sense 1 Aquatic chronic 4	H 350i H 334 H 317 H 413
Copper (dust)	231-159-6	7440-50-8			Acute Tox. 4 Acute Tox. 4 Aquatic Acute 1	H 302 H 332 H 400

(For full text of H- and 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 products
Eye contact: Not possible, due to the form of the products
Skin contact: No harmful effects known
Ingestion: Not likely, due to the form of the products; 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.



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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 products

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.

Keep away from excessive heat and humidity to prevent the diamond core drills from thermal shocks and getting rusty which may mechanically weaken the products and create a safety risk when they are used.

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 ³	ml/m ³ (ppm)	mg/m ³	ml/m ³ (ppm)		
WEL (UK)	Cobalt	231-158-0	7440-48-4	0,1 *		-		-	GESTIS
WEL (UK)	Copper	231-159-6	7440-50-8	1,0 *	-	2,0 *	-		GESTIS

*Valid for UK, other countries: observe national values (please see annex "International Limit Values", page 7)

Note: Hazardous dust of the workpiece material may be generated during grinding and/or sanding operations. National regulations for dust exposure limit values have to be taken into consideration.



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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: according to the type of product
- 9.1.3 Solubility in water: not measured

9.2. Other information

None

10. Stability and reactivity

10.1. Reactivity

Metal 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

Metal bonded 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.



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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. Product

Follow national and regional regulations.

X Due to the ingredients and properties disposal under EWC – No. 170407 (mixed metals) according to Decision 2000/532/EC.

13.2. Packing

Follow national and regional regulations.



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14. Transport information

The products are 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 products

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
Regulation (EC) N° 1272/2008
Directive 98/24/EC
Directive 2000/39/EC
Directive 75/324/EEC
Decision 2000/532/EC
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 - phrases for cobalt

H 350i May cause cancer if inhaled
H 334 May cause allergy or asthma symptoms or breathing difficulties if inhaled
H 317 May cause an allergic skin reaction
H 413 May cause long lasting harmful effects to aquatic life

H - Phrases for copper

H 302 Harmful if swallowed
H 332 Harmful if inhaled
H 400 Very toxic to aquatic life



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International Limit Values*

Substance: Cobalt and compounds (as Co), CAS No. 7440-48-4

Countries	Limit value – Eight hours , mg/m ³	Limit value – Short term mg/m ³
Australia	0,05	-
Austria	0,1	0,4
Belgium	0,02	-
Canada-Ontario	0,02	-
Canada-Québec	0,02	-
Denmark	0,01	0,02
European Union	-	-
Finland	0,02	-
France	1	-
Germany (AGS)	-	-
Germany (DFG)	-	-
Hungary	0,1	0,4
Ireland	0,1	-
Italy	-	-
Japan	0,02 (1)	-
Latvia	0,5	-
New Zealand	0,05 (1)	-
People's Republic of China	0,05	0,1 (1)
Poland	0,02	-
Singapore	0,02	-
South Korea	0,02	-
Spain	0,02	-
Sweden	0,02 (1)	-
Switzerland	0,05 (inhalable aerosol)	-
The Netherlands	0,02	-
USA - NIOSH	-	-
USA - OSHA	0,1	-
United Kingdom	0,1	-

Remarks:

Austria	TRK value (based on technical feasibility)
Japan	(1) Cobalt and inorganic compounds
New Zealand	(1) Exposure can also be estimated by biological monitoring
People's Republic of China	(1) 15 minutes average value
Spain	sen
Sweden	(1) cobalt and inorganic compounds
The Netherlands	Dust and fume



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Substance: Copper, dust and mists (as Cu), CAS No. 7440-50-8

Countries	Limit value – Eight hours mg/m ³	Limit value – Short term mg/m ³
Australia	1	-
Austria	1 inhalable aerosol	-
Belgium	1	-
Canada-Ontario	1	-
Canada-Québec	1	-
Denmark	1	2
European Union	-	-
France	1	2
Germany (AGS)	-	-
Germany (DFG)	0,01 (1)	0,02 (1)(2)
Hungary	1	4
Ireland	1	-
Italy	-	-
Japan	-	-
Latvia	-	-
New Zealand	1	-
People's Republic of China	1	-
Poland	1	2
Singapore	1	-
South Korea	1	2
Spain	1	-
Sweden	1	-
Switzerland	0,1 inhalable aerosol	0,2 inhalable aerosol
The Netherlands	0,1 inhalable aerosol	0,2 inhalable aerosol
USA - NIOSH	-	-
USA - OSHA	1	-
United Kingdom	1	2
Remarks: (1) Respirable fraction, (2) 15 minutes average value		

*(IFA / GESTIS Stoffdatenbank , Internationale Grenzwerte für chemische Substanzen)

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: Laboratory
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