



FEDERATION EUROPEENNE DES
FABRICANTS DE PRODUITS ABRASIFS



Reference / Product name: diamond saw
blade and diamond drilling
toolVersion/Revision (date): 2016 07 15
Printing date: 2024-11-06

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

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

1.1 Product identifier

diamond saw blades, grinding cups and drilling tools

1.2 Use of the product

Diamond tools used to cut or drill concrete, granite, brick or construction material

1.3 Details of the supplier of the voluntary product information:

Company: Saint-Gobain Abrasives

Address: 190 bd Kennedy

L4930 Bascharage Luxembourg

Phone: +352 50 401-1 Fax: +352 50 16 33

E-mail: sales.nlx@saint-gobain.com

1.4 Emergency telephone number:

+352 50 401-1

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. Abrasives are articles with no intended release.

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.



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3. Composition/information on ingredients

The products covered in the present document are in the solid form that would not require an MSDS as the information for the ingredients applies not for the solid form (as article) but for substances or mixture.

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/EEC
					Hazard classes/ hazard categories	Hazard statements	
iron	231-096-4	7439-89-6		75-99%			
nickel	231-111-4	7440-02-0		0-2%			
tungsten carbide	235-123-0	12070-13-2 12070-12-1		0-6%			
copper	231-159-6	7440-50-8		0-10%			
tin	231-141-8	7440-31-5		0-3%			
diamond	231-953-2	7782-40-3		1-5%			
Titanium	241-036-9	7440-32-6		0-1%			
Tungsten	231-143-9	7440-33-7		0-5%			

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;

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

Not applicable.

5.1. Extinguishing media

5.2. Special hazards arising from the product

5.3. Advice for fire fighters

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
				longterm		Short term			
				mg/m³	ml/m³ (ppm)	mg/m³	ml/m³ (ppm)		
	tin	7440-31-5	231-141-8	2mg/m3					
	iron	231-096-4	7439-89-6	10mg/m3					
	nickel	231-111-4	7440-02-0	1mg/m3					
	WC	235-123-0	12070-12-1	5mg/m3					
	W	231-143-9	7440-33-7	3mg/m3					
	copper	7440-50-8	231-159-6	1mg/m3					

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

Advice on the use of personal protective equipment is given in the form of pictograms on the products, package or safety advice leaflets.



Wear Eye
protection



Wear gloves



Wear ear
protection



Wear a dust
mask



Read the
instructions

- Workpieces and debris can be ejected at high speed from machines therefore the wearing of suitable eye protection at all times is strongly recommended.
See OSHA 29 CFR 1910.133 – See EN166 grade B.
- Cutting of some materials can create sparks that cannot always be contained by the guarding or extraction system. Suitable protective clothing should be worn in these instances.
- Contact with the moving abrasive surface can cause severe injury. The use of safety gloves is therefore recommended.
See EN388 and EN420.
- Most operations create dust and suitable extraction should be provided. Proper dust mask should also be used for additional protection.
See OSHA 29 CFR 1910.94 (ventilation) and 29 CFR 1910.134 (dust respirators) – See EN149
- Some operations can be very noisy and suitable ear protection should be worn.
See EN352
- Safety shoes and helmets should be worn when required.
- Hand-held operations which create high degree of vibration can cause injuries such as vibration white finger. Action should be taken to reduce vibration levels if the process causes tingling or numbness in the fingers after 10 minutes use.
- Additional protections should be taken to protect workers from repetitive strain injury and fatigue by the use of ergonomically designed tools and working position.
- Safety code and leaflet are available on <http://www.fepa-abrasives.org/>

9. Physical and chemical properties

9.1. Information on basic physical and chemical properties

- 9.1 Physical state: solid metallic articles
- 9.2 Colour: grey
- 9.3 Solubility in water: no

9.2. Other information

None.

10. Stability and reactivity

10.1. Reactivity

Diamond blade and cored drill are stable when handled or stored correctly.



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10.2. Chemical stability

No decomposition in normal use.

10.3. Possibility of hazardous reactions

No dangerous reactions known.

10.4. Conditions to avoid

Diamond saw blades and drilling tools 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.



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- 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),
- 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/EEC), 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/EC, amended by Directive 2009/161/EC
Directive 75/324/EEC, 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:

According to Directive 67/548/EEC:

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: V.Hays

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