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

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

Resinoid /Organic Bonded Abrasive Products

1.1 Product identifier

Aluminium Oxide Cutting/Grinding Wheels

Silicon Carbide Cutting/Grinding Wheels

Zirconium Oxide Cutting/Grinding Wheels

1.2 Use of the product

Organic bonded abrasives used for grinding/cutting of different materials.

1.3 Details of the supplier of the voluntary product information:

Company: Karbosan Zımpara Taşı San. A.Ş.

Address: Halkalı Yolu no : 253

Sefaköy / Istanbul - TURKEY

Phone: +90 212 698 90 90 Fax: +90 212 698 90 96

E-mail: info@karbosan.com.tr

export@karbosan.com.tr

1.4 Emergency telephone number:

+90 212 698 90 90

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.

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3. Composition/information on ingredients

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)	
					Hazard classes/ hazard categories	Hazard statements
Cryolite	237-410-6	13775-53-6	05-2114651572-49-0000	1 – 12 (All products)	Acute Tox. 4 STOT RE 1 Repr . 2 Aquatic Chronic 2	H332 H372 H362 H411
Silicon Carbide	206-992-8	409-21-2		0-75 (SC cutting /grinding discs)	Not classified	
Aluminium Oxide	215-691-6	1344-28-1	01-2119829248-35-0034	0-75 (AO/NK cutting and grinding discs)	Not classified	
Zirconium(IV) Oxide	215-227-2	1314-23-4	01-2119486976-14-0006	0-50	Resp. Sens. 1 Skin Sens. 1	H334 H317
Fiberglass	266-046-0	65997-17-3		0-5 (All products)	Not classified	
Pyrite (FeS2)	215-167-7	1309-36-00 1308-56-01		0 - 10	N/A Skin Irrit. 2	N/A H315
Phenol, polymer with formaldehyde (cured)	N/A	9003-35-4		0 – 30	Skin Sens. 1	H317

4. First aid measures

See also section 8

4.1. Description of first aid measures

Inhalation: Not possible in stocks, due to the form of the product.
Possible in grinding/cutting. Remove person to fresh air and keep comfortable for breathing. When symptons occur go into open air and ventilate suspected area.

Eye contact: Rinse eyes with water as a precaution. If eye irritation persists, get medical advice/attention.

Skin contact: No harmful effects known. But if skin irritation or rash occurs: Get medical advice/attention

Ingestion: Not likely, due to the form of the product; if necessary rinse mouth and contact physician

Note to physician: Not available.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/injures after inhalation : May cause respiratory irritation

Symptoms/injuries after eye contact : May cause severe irritation

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 $C0_2$ as appropriate for surrounding materials

5.2. Special hazards arising from the product

Fire hazard : Not flammable but Toxic fumes may occur. Use respiratory protective equipment.

Reactivity : The product is non-reactive under normal conditions of use, storage and transport. Product is not explosive.

5.3. Advice for fire fighters

Extinguishing materials should be selected according to the surrounding area.
Do not enter fire area without proper protective equipment, including respiratory protection

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.

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

Keep exposure to the following components under surveillance.
(Observe also the regional official regulations)

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Limit value type (country of origin / Source)	substance	EC-N°	CAS-N°	Regulatory Limits			Recommended Limits	
				OSHA PEL[b]		Cal/OSHA PEL[f] *(as of 4/4/2018)*	NIOSH REL[g] *(as of 7/7/16)*	ACGIH® 2018 TLV® [h]
				ppm[d]	mg/m³[e]	8-hour TWA (ST) STEL (C) Ceiling	Up to 10-hour TWA (ST) STEL (C) Ceiling	8-hour TWA (ST) STEL (C) Ceiling
for EU (OSHA Annotated Table Z-1 Fluoride (inorganic as F)	Cryolite	237-410-6	13775-53-6		2,5	2,5 mg/m³	2,5 mg/m³	2,5 mg/m³
For EU(OSHA Annotated Table Z-1	Aluminium Oxide	215-691-6	1344-28-1		Total Dust: **15** REspirable Fraction: **5**			
For EU(OSHA Annotated Table Z-1 Zirconium Compoums)	zirconium(IV)oxide	215-691-6	1344-28-1		5	5 mg/m3 (ST) 10 mg/m3	5 mg/m3 (ST) 10 mg/m3	5 mg/m3 (ST) 10 mg/m3
For EU(OSHA Annotated Table Z-1)	Silicon Carbide	206-992-8	409-21-2	-	-	-	-	Nonfibrous: 10 mg/m3 (IHL) (no asbestos and < 1% crystalline silica)

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

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(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	Physical state:	solid
9.2	Colour:	Variable
9.3	Solubility in water:	Not applicable

9.2. Other information

None.

10. Stability and reactivity

10.1. Reactivity

Resinoid Bonded Abrasive Products 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

Resinoid Bonded Abrasive Products are stable when handled or stored correctly.

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.

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.

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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.

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

R 20/22 - Harmful by inhalation and if swallowed
R 48/23/25 - Toxic : danger of serious damage to health by prolonged exposure through inhalation and if swallowed
R 51/53 - Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Changes to the previous versions
Aluminium Oxide, Silicon Carbide, Zirconium (IV) Oxide, Iron Sulfid, fibreglass added.

Literature and data sources
OSHA Annonated Table Z-1
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.

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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.

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 : Quality Assurance Department

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