



FEDERATION EUROPEENNE DES
FABRICANTS DE PRODUITS ABRASIFS

RHODIUS

Reference / Product name:
Stationary cutting discs
Version/Revision (date):
V05/ 2023-12-01

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**Voluntary product information based on the format of a safety data sheet
for organic bonded abrasives¹**

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

1.1 Product identifier

Stationary cutting discs:

ST21; ST34; ST38; ST56

Cup wheels:

NK; SIC

1.2 Use of the product

Organic bonded abrasives for grinding / cutting of different materials.

1.3 Details of the supplier of the voluntary product information:

Company: RHODIUS Abrasives GmbH

Address: Brohltalstraße 2
56659 Burgbrohl
Germany

Phone reception: +49 (0) 2636 969100 (service time 8:00 a.m. - 4:30 p.m.), responsibility R&D

E-Mail: compliance@rhodius.eu

1.4 Emergency telephone number:

Poison emergency call center (GIZ-Nord) +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.

¹ REACH requires Safety Data Sheet (SDS) only for hazardous substances and mixtures. Abrasive products are articles under REACH and therefore, SDS is not legally required.



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3. Composition/information on ingredients

The product contains 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
CRYOLITE (Sodium hexafluoroaluminat)	237-410-6	13775-53-6	01-2119511565-43	0- 10	Acute Tox. 4 STOT RE 1 Acute Tox. 4 Aqu. chron. 2	H332 H372 H302 H411
CRYOLITE (Potassium hexafluoroaluminat)	237-409-0	13775-52-5		0- 10	Acute Tox. 4 STOT RE 1 Acute Tox. 4 Aqu. chron. 2	H332 H372 H302 H411
PAF (Potassium aluminium fluoride)	262-153-1	60304-36-1	01-2119513404-51	0- 5	Acute Tox. 4 STOT RE 1 Acute Tox. 4 Aqu. chron. 2	H332 H372 H302 H411
Calcium oxide	215-138-9	1305-78-8	01-2119475325-36	0-2	Skin Irrit. 2 Eye Dam. 1 STOT SE 3	H315 H318 H335
Manganese dichloride	231-869-6	7773-01-5		0-10	Akut. Tox. 4 STOT RE 2 Eye Dam. 1 Aqu. chron. 2	H302 H373 H318 H411

(For full text of 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.



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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.

See also: [FEPA GENERAL SAFETY PRINCIPLES](https://fepa-abrasives.org/safety/safety-publications/general-principles-leaflet/) (https://fepa-abrasives.org/safety/safety-publications/general-principles-leaflet/)

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.



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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)		
(D)	CRYOLITE (Sodium hexafluoroaluminat)	237-410-6	13775-53-6	1,00				4,00	TRGS900
(D)	CRYOLITE (Potassium hexafluoroaluminat)	237-409-0	13775-52-5	1,00				4,00	TRGS900
(D)	PAF (Potassium aluminium fluoride)	262-153-1	60304-36-1	1,00				4,00	TRGS900
(D)	Manganese dichloride	231-869-6	7773-01-5	0,2				8,00	TRGS900
(D)	Calcium oxide	215-138-9	1305-78-8	1,00					TRGS900

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.

8.2. Exposure controls

8.2.1. Appropriate engineering controls

Please refer to section 7 of this Voluntary Product Information.

8.2.2. Individual protection measures

8.2.2.1. Respiratory protection: Use respiratory protective equipment

(type depends on specific application and material being ground)

8.2.2.2. Hand protection: Wear protective gloves

(type depends on specific application and material being ground)

8.2.2.3. Eye/face protection: Wear protective goggles or face shield

(type depends on specific application and material being ground)

8.2.2.4. Hearing protection: Use hearing protection

(type depends on specific application and material being ground)

8.2.2.5. Body protection: Use protective clothing

(type depends on specific application and material being ground)



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9. Physical and chemical properties

9.1. Information on basic physical and chemical properties

- a) Physical state: solid
- b) Colour: depending on product type
- c) Solubility in water: non indicated

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

At temperatures exceeding 250° C hazardous or toxic decomposition products may be generated.

11. Toxicological information

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

The product is an article and thus not classified according to Regulation (EC) No 1272/2008.

11.2. Information on other hazards

Toxicological effects by inhalation, eye and skin contact and by ingestion are not known. Instructions under No. 8 of this product information should be taken into consideration.

12. Ecological information

12.1. Toxicity

No effects known.



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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. Endocrine disrupting properties

No effects known.

12.7. Other adverse effects

No effects known.

13. Disposal considerations

13.1. Waste treatment methods

a) Product

Follow national and regional regulations.

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

b) 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.

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16. Other information

Changes to the previous versions

See sections 1 to 16.

Literature and data sources (not exhaustive)

REACH Regulation (EC) Nr. 1907/2006
CLP Regulation (EC) N° 1272/2008
Directive 98/24/EC
Directive 2004/37/EC
Regulation (EU) 2016/425
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:

H302 Harmful if swallowed.
H315 Causes skin irritation.
H318 Causes serious eye damage.
H332 Harmful if inhaled.
H335 May cause respiratory irritation.
H372 Causes damage to organs through prolonged or repeated exposure.
H373 May cause damage to organs through prolonged or repeated exposure
H411 Toxic to aquatic life with long lasting effects.

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: R&D