

1. Name of the product and the company

Trade name

Synthetic resin bonded abrasives:
Novaflex / Novorapid Inox
Flexiamant / Flexiarapid Alu / Flexiarapid Inox
Flexiamant Super Alu / Flexiamant Super Steel / Flexiamant Super Cast Iron
Flexiarapid Super Inox HydroResist
M-Calibur

Details of the manufacturer / supplier

Metabowerke GmbH
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Grinding wheels are considered articles according to REACH Regulation 1907/2006/EC.

Consequently, a safety data sheet does not have to be prepared for grinding wheels.

For the safe use and handling of grinding wheels, our voluntary safety information is available to you.

2. Possible dangers

Classification / Labelling

Not applicable. Grinding wheels are articles and not dangerous substances or mixtures according to Regulation (EC) No 1272 / 2008. Labelling is not required.

3. Composition / information on ingredients

Characterisation

Resin-bonded abrasives Novaflex / Novorapid Inox

Chemical substance	CAS number	Content
Aluminium oxide	1344-28-1	> 70 %
Cryolite = Sodium aluminium fluoride (thermally cured)	13775-53-6	< 3 %
Aluminium potassium fluoride (thermally cured)	60304-36-1	< 3 %
Phenolic resin	9003-35-4	< 18 %
Iron sulphide	1317-37-9	< 5 %

Resin-bonded abrasives Flexiarapid Inox / Flexiamant Super Cast Iron

Chemical substance	CAS number	Content
Aluminium oxide	1344-28-1	> 65 %
Cryolite = sodium aluminium fluoride (thermally cured)	13775-53-6	< 2 %
High temperature melt reduction products with zirconium oxide (ZrO ₂)	68955-26-0	< 5 %
Phenolic resin	9003-35-4	< 18 %
Iron sulphide	1317-37-9	< 5 %

Resin-bonded abrasives Flexiarapid Alu / Flexiamant Super Alu

Chemical substance	CAS number	Content
Aluminium oxide	1344-28-1	> 10 %
Cryolite = sodium aluminium fluoride (thermally cured)	13775-53-6	< 2 %
Silicon carbide	409-21-2	> 30 %
Phenolic resin	9003-35-4	< 20 %
Aluminium potassium fluoride (thermally cured)	60304-36-1	0-7 %

Resin bonded abrasives Flexiamant / Flexiamant Super Steel

Chemical substance	CAS number	Content
Aluminium oxide	1344-28-1	> 65 %
Cryolite = sodium aluminium fluoride (thermally cured)	13775-53-6	< 2 %
Phenolic resin	9003-35-4	< 18 %
Iron sulphide	1317-37-9	< 5 %

Resin-bonded abrasives Flexiarapid Super Inox HydroResist

Chemical substance	CAS number	Content
Aluminium oxide	1344-28-1	> 10 %
Cryolite = Sodium aluminium fluoride (thermally cured)	13775-53-6	1-8 %
Phenolic resin	9002-35-4	< 20 %
Aluminium potassium fluoride (thermally cured)	60304-36-1	0-7 %

Resin bonded abrasives M-Calibur

Chemical substance	CAS number	Content
Aluminium oxide	1344-28-1	< 65 %
High temperature melt reduction products with zirconium oxide (ZrO ₂)	68955-26-0	< 70 %
Phenolic resin	9003-35-4	< 18 %
Iron sulphide	1317-37-9	< 5 %
Zinc sulphide	1314-98-3	< 15 %
Titanium dioxide	13463-67-7	< 10 %
Silicon carbide	409-21-2	< 80 %

4. First aid measures

Description of the first aid measures

Please also note nos. 8 and 16 of the voluntary product information.

Inhalation:

Not possible due to the shape of the product

Eye contact:

Not possible due to the shape of the product

Skin contact:

No adverse health effects known

Ingestion:

Not possible due to the shape of the product

Notes for the doctor:

Not specified

5. Fire fighting

Extinguishing agent:

Suitable extinguishing media: water, extinguishing powder, extinguishing foam, sand, carbon dioxide

Dangers:

Hazardous fumes may be generated. Use respiratory protective equipment. Adapt fire-fighting measures to the surrounding situation.

6. Measures in the event of accidental release

Not applicable.

7. Handling and storage

When handling, the instructions for grinding machines and the relevant national regulations, as well as safety recommendations, must be observed.

8. Exposure controls / personal protective equipment

For safe grinding, a risk assessment (workplace evaluation) and the use of the appropriate personal protective equipment is recommended.

Exposure limits:

Components with limit values that require monitoring at the workplace: (Observe country-specific official regulations):

Cryolite CAS No 13775-53-6

Exposure limit long-term: 1.0 mg/m³

Peak limit: 4.0/m³

Source: TRSG 900

Note: Hazardous dust from the material to be machined can be generated by grinding / machining.

Exposure controls and monitoring

Note: The official national regulations for dust limit values are to be observed

Respiratory protection:

Put on dust mask (quality class depending on the material to be processed)

Hand protection:

Use protective gloves (quality class depending on the material to be processed).

Eye protection:

Use protective bonnet, goggles or face protection (grade depending on the material to be processed).

Hearing protection:

Use hearing protection (grade depending on the material to be processed).

Body protection:

Use body protection (grade depending on the material to be machined and the machining process).

9. Physical and chemical properties

Physical state: solid, colour: black, solubility in water: insoluble

10. Stability and reactivity

Grinding wheels are durable and do not change during handling and storage.

No decomposition and dangerous reactions known.

11. Toxicological information

If handled properly and the generally applicable hygiene and safety regulations are observed, no damage to health has been reported so far. The instructions under No. 8 of this safety information must be observed.

12. Environmental information

No negative consequences for the environment are to be expected if the product is handled properly.

13. Notes on disposal

National and local regulations must be followed.

Due to the ingredients and properties, disposal is as non-hazardous waste, provided no hazardous substances are applied to the grinding wheel by the user.

14. Transport information

Grinding wheels are no dangerous goods.

15. Legislation

The product does not require labelling according to EC directives.

16. Other information

The notes provide assistance in complying with legal requirements, but do not replace them. They are based on the current state of knowledge.

The above information has been compiled to the best of our knowledge and belief.

They do not constitute a guarantee of properties. Applicable laws and regulations must be observed by the distributors, transporters, disposers and users of the product at their own responsibility.