

**Voluntary product information based on the format of a safety data sheet
Carbide burrs**

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

1.1 Product identifier

Carbide burrs:

HF A; ALPHA HF A; HF B; ALPHA HF B; HF C; ALPHA HF C; HF D; ALPHA HF D; HF E; HF F;
ALPHA HF F; HF G; ALPHA HF G; HF H; ALPHA HF H; HF J; HF K; HF L; ALPHA HF L; HF M;
ALPHA HF M; HF N

1.2 Use of the product

Carbide burrs for milling of different kind of materials.

1.3 Details of the supplier of the voluntary product information:

Company: Rhodius Schleifwerkzeuge GmbH & Co. KG

Address: Brohltalstraße 2
56659 Burgbrohl

Phone: +49-(0) 2636 920 300 Fax: +49-(0) 2636 920 209

E-mail: compliance@rhodius.de

1.4 Emergency telephone number:

Poison emergency call center (GIZ-Nord) +49-(0) 551-19240

2. Hazards identification

2.1. Classification

Not applicable

Burrs 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

Burrs 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.

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 |
| Cobalt | 231- 158-0 | 7440-48-4 | | < 8 | Resp. Sens. 1 Skin Sens. 1 Aquatic Chronic 4 | H334 H317 H413 |
| | | | | | | |

(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.

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 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 machining 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) | | |
| | | | | | | | | | |

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

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

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

9.2. Other information

None.

10. Stability and reactivity

10.1. Reactivity

Burrs 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

Burrs 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.

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.

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

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.
TRGS 900

Hazard statements referred to in section 2 and 3

According to Regulation (EC) N° 1272/2008:

H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.

H317 May cause an allergic skin reaction.

H413 May cause long lasting harmful effects to aquatic life.

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