



01. Material / Preparation and Company Name

Trade Name

Tungsten Carbide Cutters

Manufacturer / Supplier

EDENTA AG

Hauptstrasse 7

CH-9434 Au / SG – Switzerland

Telephone: +41 / 71' 747' 25' 25 Fax: +41 / 71' 747' 25' 50

02. Composition / Information on Components

Tungsten Carbide about 87-92% (TC), Additive Carbide about 1-3% (TiC/TaC/NbC), Cobalt about 6-10% (CO)
Shank: Stainless Steel, material number = 1.4034 → Working parts > ISO 023 (hard welding)

03. Possible Danger

Possible Danger to Human being and environment:

None – provided appropriate storage and handling.

Water Danger Class: 0 – no danger to water. (Self-evaluation)

04. First-Aid-Measures

No need for special measures to be taken.

05. Measures for fire extinction

Product is no flammable. Surrounded fire can be extinguished by appropriate means.

06. Measures in case of unintentional exposure

Cleaning / pick-up: Mechanical pick-up.

07. Handling and Storage

Protection against Fire and Explosion: no special measures required.

Storage: in dry conditions.

avoid temperature extremes.

Protect instruments in general against chemicals, acids, heat and extreme temperature variations.

When observing these conditions the product has unlimited shelf life.

08. Exposure stop and personal safety equipment

General Safety and sterilize instruments before initial use.

Hygiene Measures: Do not use bent instruments.

Observe speed recommendations.

Observe contact pressure as recommended.

Instruments have to be properly inserted into chuck of turbine.

Observe safety and user information.

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09. Physical and chemical Properties

Condition: solid
Color: metallic
Odor: without
Change of condition: Melting point > 1200°C
Boiling point not applicable
Flash point: not applicable
Density: not applicable
ph – Value (°C): not applicable
Viscosity (°C): no applicable
Water-soluble: insoluble

10. Stability and Reactivity

Dangerous Reactions: none – provided appropriate storage and handling.

11. Information on Toxicology

Chemically inert Material. Non toxic.

12. Information on Ecology

Damaging effects are unknown.
Debris as result of grinding can be mechanically separated in waste water installation (sewerage).

13. Information about disposal

Can be removed together with common trash in line with public regulations or scrapped.
Waste code number: 35 101

14. Transport Information

No special requirements with respect to transport regulations.

15. Regulations

The product is not subject to special marking according to CE-regulations.
National Regulations:
Water Danger Class: 0 / no danger to water. (Self-evaluation)

16. Others

The above mentioned is based on our latest knowledge and describe the product as for safety aspects without assuring technical properties and features. Existing laws and regulations must be observed by the user under its own responsibility.

Responsibility for Contents and Release by Managing Board: Hr. HP. Hutter
Status: April 2004

