

Safety Data Sheet
according to 91/155EWG

Valid: 14.04.97 Mü.
Translated: 24.03.05 FH

1. Material- / preparation- / company designation

Trade name: Grinding diamond instrument
Manufacturer: Dr. Hopf GmbH & CO. KG
Bayernstraße 9
D-30855 Langenhagen; Phone: +49 511 7859394

2. Ingredients

Diamond grit bound with nickel to hardened stainless steel.
(material No. 1.4034)

3. Possible hazards for humans and environment

– No risks if properly stored and handled.

4. First aid actions

Proceed normal.

5. Fire fighting actions

Instruments are not flammable. Normal extinguishant for extinguishing a burning surrounding is sufficient.

6. Not intended pollution actions

Procedures of cleaning: Mechanical pick up.

Dr. HOPF GmbH & CO KG safety data sheet
Valid from: 14.4.97
Product: grinding diamond instrument

7. Storage and handling

Fire and explosion protection: No special actions necessary
Storage: Products are storable indefinitely

8. General safety and hygienic actions

Wash hands before having a break and after end of work

9. Physical and chemical characteristics

Form: stable
Colour: metallic
Smell: none

Melting point: > 1200°C; not flammable
Boiling point: not applicable

Flash point: not applicable
Density: not interesting
Solubility in water: none
pH value: not applicable
Viscosity: not applicable

10. Stability and reactivity

Dangerous reactions: None, if used and stored correctly.

11. Statement to toxicology

Chemical inert material, not toxic (Nickel does not touch the tooth during usage)

<p>Dr. HOPF GmbH & CO KG safety data sheet Valid from: 14.4.97 Product: grinding diamond instrument</p>
<p>12. Statement to ecology - No harming effects known - Abrasion can be separated mechanically during waste water treatment</p>
<p>13. Advice for disposal Storable and disposable with domestic waste</p>
<p>14. Statement to transport No dangerous goods in the sense of transport regulations</p>
<p>15. Regulations Product is not subject to obligation of declaration according to EC-directions. National regulations: Water imperilment level: 0 / Generally not hazardous to the quality of water (Self classification)</p>
<p>16. Other statements The previous statements are based on the knowledge of today and describe the product regarding aspects of safety without assuring any technical characteristics. Recipients are responsible for observation of existing laws and regulations</p>

Security Data Sheet
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Valid: 14.04.97 Mü.
Translated: 24.03.05 FH

1. Material- / preparation- / company designation

Trade name: Separating metal strips

Manufacturer: Dr. Hopf GmbH & CO. KG
Bayernstraße 9
D-30855 Langenhagen; Phone: +49 511 7859394

2. Ingredients/ discriptions

Chemical characteristics:

Anorganic abrasive grit bound with nickel to hardened stainless steel.
(material No. 1.4034)

3. Possible hazards for humans and environment

- No risks if properly stored and handled.
- Water imperilment level: 0 / Generally not hazardous to the quality of water (Self classification)

4. First aid actions

Proceed normal.

5. Fire fighting actions

Instruments are not flammable. Normal extinguishant for extinguishing a burning surrounding is sufficient.

6. Not intended pollution actions

Procedures of cleaning: Mechanical pick up.

Dr. HOPF GmbH & CO KG safety data sheet
Valid from: 14.4.97
Product: separating metal strips

7. Storage and handling

Fire and explosion protection: No special actions necessary

Storage: Products are storable indefinitely

8. General safety and hygienic actions

Wash hands before having a break and after end of work
See safety advise in users guide

9. Physical and chemical characteristics

Form: stable
Colour: metallic
Smell: none

Melting point: > 1200°C; not flammable
Boiling point: not applicable

Flash point: not applicable
Density: not interesting
Solubility in water: none
pH value: not applicable
Viscosity: not applicable

10. Stability and reactivity

Dangerous reactions: None, if used and stored correctly.

11. Statement to toxicology

Chemical inert material, not toxic (Nickel does not touch the tooth during usage)

<p>Dr. HOPF GmbH & CO KG safety data sheet Valid from: 14.4.97 Product: separating metal strips</p>
<p>12. Statement to ecology - No harming effects known - Abrasion can be separated mechanically during waste water treatment</p>
<p>13. Advice for disposal Storable and disposable with domestic waste according to German regulations waste-key-no.: 35 101</p>
<p>14. Statement to transport No dangerous goods in the sense of transport regulations</p>
<p>15. Regulations Product is not subject to obligation of declaration according to EC-directions. National regulations: Water imperilment level: 0 / Generally not hazardous to the quality of water (Self classification)</p>
<p>16. Other statements The previous statements are based on the knowledge of today and describe the product regarding aspects of safety without assuring any technical characteristics. Recipients are responsible for observation of existing laws and regulations</p>

Security Data Sheet
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Valid: 14.04.97 Mü.
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1. Material- / preparation- / company designation

Trade name: Tungsten Carbide instruments

Manufacturer: Dr. Hopf GmbH & CO. KG
Bayernstraße 9
D-30855 Langenhagen; Phone: +49 511 7859394

2. Ingredients/ discriptionsChemical characteristics:

- Wolframcarbid ca. 87 – 92 % (WC)
additional carbides ca. 1 - 3 % (TiC/TaC/NbC)
- Cobald ca. 6 – 10 % (Co)
- Steel (material No. 1.4034) hardened and soldered

3. Possible hazards for humans and environment

- Hazards by tungsten carbide dust can be excluded, because a relevant abrasion doesn't emerge during appropriate use.
- No risks if properly stored and handled.
- Water imperilment level: 0 / Generally not hazardous to the quality of water (Self classification)

4. First aid actions

Proceed normal.

5. Fire fighting actions

Instruments are not flammable. Normal extinguishant for extinguishing a burning surrounding is sufficient.

6. Not intended pollution actions

Procedures of cleaning: Mechanical pick up.

Dr. HOPF GmbH & CO KG safety data sheet
Valid from: 14.4.97
Product: Tungsten carbide cutters for dental laboratory

7. Storage and handling

Fire and explosion protection: No special actions necessary

Storage: Products are storable indefinitely

8. General safety and hygienic actions

Wash hands before having a break and after end of work
See safety advise in users guide

9. Physical and chemical characteristics

Form: stable
Colour: metallic
Smell: none

Melting point: > 1200°C; not flammable
Boiling point: not applicable

Flash point: not applicable
Density: not interesting
Solubility in water: none
pH value: not applicable
Viscosity: not applicable

10. Stability and reactivity

Dangerous reactions: None, if used and stored correctly.

11. Statement to toxicology

Chemical inert material, not toxic (Nickel does not touch the tooth during usage)

Dr. HOPF GmbH & CO KG safety data sheet

Valid from: 14.4.97

Product: Tungsten carbide cutters for dental laboratory

12. Statement to ecology

- No harming effects known
- Abrasion can be separated mechanically during waste water treatment

13. Advice for disposal

Storable and disposable with domestic waste according to German regulations
waste-key-no.: 35 101

14. Statement to transport

No dangerous goods in the sense of transport regulations

15. Regulations

Product is not subject to obligation of declaration according to EC-directives.

National regulations:

Water imperilment level: 0 / Generally not hazardous to the quality of water (Self classification)

16. Other statements

The previous statements are based on the knowledge of today and describe the product regarding aspects of safety without assuring any technical characteristics. Recipients are responsible for observation of existing laws and regulations

Security Data Sheet
according to 91/155EWG

Valid: 02.12.97 Mü.

Translated: 24.03.05 FH

1. Material- / preparation- / company designationTrade name: Sintered diamond instrumentsManufacturer: Dr. Hopf GmbH & CO. KG
Bayernstraße 9
D-30855 Langenhagen; Phone: +49 511 7859394**2. Ingredients/ descriptions**Chemical characteristics:

- Diamond- grinding material sintered in gunmetal
- sintered on steel shank (material No. 1.4034)

3. Possible hazards for humans and environment

- No risks if properly stored and handled.
- Water imperilment level: 0 / Generally not hazardous to the quality of water (Self classification)

4. First aid actions

Proceed normal.

5. Fire fighting actions

Instruments are not flammable. Normal extinguishant for extinguishing a burning surrounding is sufficient.

6. Not intended pollution actions

Procedures of cleaning: Mechanical pick up.

Dr. HOPF GmbH & CO KG safety data sheet
Valid from: 14.4.97
Product: Tungsten carbide cutters for dental laboratory

7. Storage and handling

Fire and explosion protection: No special actions necessary

Storage: Products are storable indefinitely

8. General safety and hygienic actions

- sterilisation of instrument before use
- do not use bended instruments
- observe limits of rotational speed
- observing determined work pressure
- instrument shall be well tied to the Handpiece
- wearing eye-protection
- See safety advise in users guide

9. Physical and chemical characteristics

Form: stable
Colour: metallic
Smell: none

Melting point: > 600°C; not flammable
Boiling point: not applicable

Flash point: not applicable
Density: not interesting
Solubility in water: none
pH value: not applicable
Viscosity: not applicable

10. Stability and reactivity

Dangerous reactions: None, if used and stored correctly.

11. Statement to toxicology

Chemical inert material, not toxic (Nickel does not touch the tooth during usage)

Dr. HOPF GmbH & CO KG safety data sheet

Valid from: 14.4.97

Product: Tungsten carbide cutters for dental laboratory

12. Statement to ecology

- No harming effects known
- Abrasion can be separated mechanically during waste water treatment

13. Advice for disposal

Storable and disposable with domestic waste according to German regulations

waste-key-no.: 35 101

14. Statement to transport

No dangerous goods in the sense of transport regulations

15. Regulations

Product is not subject to obligation of declaration according to EC-directives.

National regulations:

Water imperilment level: 0 / Generally not hazardous to the quality of water (Self classification)

16. Other statements

The previous statements are based on the knowledge of today and describe the product regarding aspects of safety without assuring any technical characteristics. Recipients are responsible for observation of existing laws and regulations.

Security Data Sheet

according 91/155EWG

Page 1 of 2

Valid: 18. June 1998 Mü.

Translated: 10. Feb. 2004 R

1. Material- / preparation- / company designation

Trade name: Steelcarbo[®] Strips

Manufacturer: Dr. Hopf GmbH & CO. KG
Bayernstraße 9
D-30855 Langenhagen; Phone: +49 511 7859394

2. Ingredients

Inorganic abrasive material (Al₃O₃) bound with nickel to stainless steel.
(material No. 1.4310)

3. Possible hazards for humans and environment

– No risks if properly stored and handled.

4. First aid actions

Proceed normal.

5. Fire fighting actions

Strips are not flammable. Normal extinguishants for extinguishing a burning surrounding is sufficient.

6. Not intended pollution actions

Cleaning the surrounding: Mechanical pick up.

7. Storage and handling

Fire and explosion protection: No special actions necessary

Storage: Products are storable indefinitely

8. General safety and hygienic actions

Wash hands before having a break and after end of work

9. Physical and chemical characteristics

Form: stable

Colour: metallic

Smell: none

Melting point: > 1200°C; not flammable

Boiling point: not applicable

Flash point: not applicable

Density: not interesting

Solubility in water: none

pH value: not applicable

Viscosity: not applicable

10. Stability and reactivity Dangerous reactions: None, if used and stored correctly.
11. Statement to toxicology Chemical inert material, not toxic (Nickel does not touch the tooth during usage)
12. Sterilisation Autoclavable, no chemiclav
13. Cleaning Brush or Diaclean
14. Classification Medical product class 1
15. Certification The company is certified according to ISO 9001:2000
16. Statement to ecology No harming effects known
17. Advice for disposal Storable and disposable with domestic waste.
18. Statement to transport No dangerous goods in the sense of transport regulations
19. Regulations National regulations: Water imperilment level: 0 / Generally not hazardous to the quality of water (Self classification)
20. Other statements The previous statements are based on the knowledge of today and describe the product regarding aspects of safety without assuring any technical characteristics.