

Safety Data Sheet

1. Name of Material/Company Trademark

Commercial name : I BOND 02, I BOND NF, I BOND LO, I MG, I MG FH, I MG HE, CC DISK CoCr, I GW, I MG EKO, INTERSOLDER, I WELD,
 Intended use: I Bond 02, I Bond NF, I Bond LO alloys are used as base alloy for ceramic firing and I MG, IMG FH, I MG HE as a base alloy for partial denture, I GW is base alloy for acrylic teeth, CC DISK CoCr are base alloy for ceramic firing used CAD/CAM machines, Intersolder in I weld are soldering wires.
 Manufacturer/Supplier: INTERDENT d.o.o.
 Street : Opekarniška cesta 26
 Country code /Postal code/City: SI-3000 Celje
 Telephone/Fax : +386(0) 425-62-00, +368(0) 490 41 50
 Emergency phone : +386(0) 425-62-40

2. Hazards Identification

Human health hazards: When treating metal prosthetic base made out of Ni-Cr or Co-Cr based alloys, metal powder is formed that can cause allergic reactions.

3. Ingredient Content/Ingredient Information

Contents of Co-Cr and Ni-Cr based alloys:

Contents [%]										
Cobalt	Nickel	Chrom	Ferrum	Molybden	Niob	Wolfram	Silizium	Carbon	Mangan	Bor
0-66	0-66	18-32	0-3	2-11	0-3	0-9	0-4	0-0,8	0-2	0-0,5

4. First Aid Measures

General instructions: No special measures required.

5. Fire Prevention Regulations

not applicable

Safety Data Sheet

6. **Accidental Substance Release Regulations**

not applicable

7. **Handling and storage**

Handling: The metal powder that is formed during treatment should be suck with vacuum cleaner.

Storage: n.a.

8. **Exposure controls/personal protection**

Occupational exposure limit

The OEL values for Ni-Cr and Co – Cr alloys are not defined. Because of safety reasons the OEL values for pure metal powders should be considered:

OEL (Nickel powder) = 0,5g/m³

OEL (Cobalt powder) = 0,5g/m³

Personal protective equipment

General protection and hygienic measures: Consider good hygienic precaution

Breathing equipment: Dust proof mask during treating and polishing.

Protection of hands: n.a.

Eye protection: Blinkers during treating and polishing.

9. **Physical and chemical properties**

Form: solid

Colour: silver-grey, metallic

Odour: odourless

Boiling point: n.a.

Melting point: cca 1400°C

Flash point: n.a.

Explosion limits: n.a.

Density at 20°C: 7,9 -8,4 g/cm³

Water solubility: insoluble

Safety Data Sheet

10. *Stability and reactivity*

not applicable

11. *Toxicology information*

Acute toxicity: not taken into account

Chronic toxicity: not taken into account

12. *Ecology information*

Not known

13. *Disposal instructions*

Dispose according to the local law.

14. *Transport Information*

Not a dangerous product within the meaning of the transport regulations.

15. *Regulations*

Symbol: none

16. *Other information*

Information listed herein are based on the present studies and are not a warrant for product's characteristics. Product user is advised to keep to given regulations and requirements at his/her own risk.