Safety Data Sheet

according to the Commission Directive 1907 / 2006 EG, Article 31

SOLIBOND N Art.963-0250 / 963-1000

1. Identification of the Substance/Preparation and of the Company/Undertaking

Trade name:	SOLIBOND N
Article description:	Chrome-Nickel Metal-to-Ceramic dental Alloy
Use:	Creation of metal framework
Producer: :	YETI Dentalprodukte GmbH
Street:	Industriestraße 3
ZIP code / City:	D-78234 Engen
E-Mail:	sdb@yeti-dental.com
Information about substances:	Tel. 0 77 33 / 94 10 0 FAX 0 77 33 / 94 10 22
Emergency:	Tel. 0 77 33 / 94 10 0 (Mo. – Th. 8h – 16h30, Fr. 8h – 14h)

2. Composition / Information on Ingredients:

Chemical ch	naracteristics:	C	ontains no hazar	d component	S
<u>Ingredient:</u> CAS Nr.	Ferrum 7439-89-6	Silicium 7440-21-3	Molybdenum 7439-98-7	Chromium 7440-47-3	Nickel 7440-02-0
	1,0%	1,4%	10,4%	24,5%	62,7%

3. Hazards Identifications:

Oxide (Silicium, Molybdenum, Wolfram, Nickel) as well as Nickel Oxide and Chromium Oxide which are haszardous to respiratory tract builds while abrading. Avoid inhalation of abrasive dust. Air exhaust system advisable. Pay attention to prescribed dust limitations (6mg/m³). Pay attention to limits for Chromium Oxide and Nickel Oxide.

4. First-Aid Measures:

Skin contact:	No hazards
Eye contact:	No hazards
Inhalation:	No hazards
	Usual first aid measures while treatment of wounds, burnings, irritations and so on.

5. Fire-Fighting Measures:

Suitable extinguishing media:	Not applicable	
Non-suitable extinguishing media:	Not applicable	
Other hazards:	Not applicable	
Protective equipment:	Not applicable	
The material is not explosive and not flammable in the atmosphere.		

6. Accidental Release Measures:

Personal precautions:	Not applicable
Environmental precautions:	Not applicable
Methods for cleaning up::	Avoid the formation of dust

7. Handling and Storage:

<u>Handling</u>	
Indications for a safe handling	Avoid the dust. Vacuum the dust it and carry protective mask.
<u>Storage</u>	
Requirements for storage	Store in dry rooms and closed boxes. Protect goods against movement.
Indications for clustering:	Not applicable
Further indications for storage conditions:	No indications

8. Exposure Controls / Personal Protection Equipment:

Engineering measures	Good airation of working areas.
(prevention of worker exposure):	Frequently vacuum of abrading dust while working
Personal protection equipment:	During abrading:
Hand protection:	Wear protective gloves
Eye protection:	Wear googles
Respiratiory protection:	Wear respirator mask
Body protection:	Wear protective working clothes
General precautions for hygiene:	Do not smoke, eat or drink during work

Chrom-VI-Compond:	CAS Nr.1376519-0	Limit value: 0,2mg/m ³ (TSC)
Nickel Oxid	CAS Nr.7440-02-0	Limit value: 0,5mg/m ³ (TSC)
Fine dust		Limit value: 6 mg/m ³

9. Physical and Chemical Properties:

Appearance: Colour: Smell:	solid metal colour, silver colour neutral		
	<u>Value</u>	<u>Unit</u>	<u>Method</u>
Melting point: Boiling point: Flashpoint: Ignition temperature: Lower explosion limit: Upper explosion limit:	1250°C – 1330°C	;	

Steam pressure:		
Density:	8,2	g/cm³
Solubility in water:	Not soluble	

10. Stability and Reactivity:

Note

Avoid the compound with acids and bases

11. Toxicological Information:

• Acute toxicity relevant LD/ LC 50-Values

Components

Skin irritation

Components

• Eyes irritation

<u>Components</u>

The possibility of irritation of eyes and respiratory tract while contact with dust.

• Sensitization:

12. Ecological Information:

- Toxical ecological effects
- <u>Components</u>

<u>Type</u> <u>Value</u> <u>Species</u>

• Further ecological hints: No complete natural decomposition. Take notice of TA air limit values while using of exhaust system.

13. Disposal Considerations:

Product:

Mustn't be disposed of together with domestic waste. Must be disposed with scrap metal 31217 NE Dusts filter 35315 NE Recycling materials 18711 Paper filter There is an obligation to produce proof

14. Transport information:

Belongs not to dangerous goods in terms of forwarding regulations.

15. Regulatory Information:

Specifications according to European Community guidelines

Hazard symbols Code letters Hazard components	Not applicable Not applicable
R-Phrases	Not applicable
S-Phrases	Not applicable
National Regulations:	
Water hazard klass	Not applicable

16. Other Information:

No other information

The statements of this Safety Data Sheet correlate to our actual status of knowledge and comply with the national and european regulations. The other working conditions of the user are not subject to or control and knowledge. The product mustn't be used for any other purpose than indicated in Part 1 without written permission. The user is responsible for respecting all necessary legal regulations. The safety data sheet serves as description of products in regard to necessary safety measures. The indications do not have the meaning of garanties on properties und do not establish a contractual legal relationship.