

**EC Safety Data Sheet****BEGO Bremer Goldschlägerei Wilh. Herbst GmbH & Co.**Wilhelm-Herbst-Strasse 1  
D-28359 BremenTelephone: 0421 - 20 28 0  
Fax: 0421 - 20 28 100**Emergency tel. no.: 0421/- 20 28 0****1. Designation of substance/preparation and company name****Information on the product**Trade name: **Wironit extra-hard****Information on manufacturer/supplier**

Manufacturer/supplier: BEGO Bremer Goldschlägerei Wilh. Herbst GmbH &amp; Co.

Street/P.O. box: Wilhelm-Herbst-Strasse 1

Nat./postal code/town: D-28359 Bremen

Telephone: 0421 - 20 28 0

Fax: 0421 - 20 28 100

Dept. providing information: Alloy Development

Emergency telephone: 0421 – 20 28 0

**2. Composition / data on components****Chemical characterization (specific substance)**

Co63.0 Cr30.0 Mo5.0 Si1.1 Mn0.5 C0.4

**Chemical characterization (preparation)**

Cobalt-chrome partial denture alloy

**3. Possible risks**

not applicable

**4. First aid measures****After inhaling** no special measures necessary**After skin contact** no special measures necessary**After contact with eyes** not applicable**After swallowing** not applicable

# Wironit extra-hard

<b>5. Fire-fighting measures</b>  <b>Suitable fire extinguishing agents</b> not applicable  <b>Special hazards due to the substance, its combustion products or resulting gases, further data</b> none
<b>6. Measures in case of unintentional release</b>  not applicable
<b>7. Handling and storage</b>  no special requirements
<b>8. Exposure limitation and personal safety equipment</b>  <b>Additional points regarding design of technical facilities</b> Comply with any relevant instructions of the casting equipment manufacturer.  <b>Components with workplace-related limit values that must be monitored</b> not applicable  <b>Personal safety equipment</b>  <b>General safety and hygienic measures</b> Do not eat, drink or smoke while working. Wash hands before breaks and at the end of work. Ensure adequate suction extraction of generated dust or gases.  <b>Breathing protection</b> extract dust  <b>Hand protection</b> not applicable  <b>Eye protection</b> safety goggles or protective window  <b>Body protection</b> not applicable
<b>9. Physical and chemical properties</b>  <b>External characteristics</b> Form:                      solid Colour:                    silver-grey Odour:                     odourless

# Wironit extra-hard

<b>Safety-related data</b>  Melting interval: 1305-1260°C Density: 8.2 g/cm <sup>3</sup> Aqueous solubility: insoluble
<b>10. Stability and reactivity</b>  <b>Thermal decomposition:</b> no decomposition  <b>Hazardous reactions:</b> reactions with the crucible material possible if the melt is overheated  <b>Hazardous decomposition products:</b> none
<b>11. Information on toxicology</b>  none
<b>12. Information on ecology</b>  none
<b>13. Instructions on disposal</b>  Wironit extra-hard can be disposed of together with household waste while complying with the local official regulations
<b>14. Information on transport</b>  not applicable
<b>15. Regulations</b>  not applicable
<b>16. Miscellaneous data</b>  <b>Data Sheet issued by:</b> Alloy Development Department  <b>Contact</b> Dr. R. Strietzel  <b>Revised on:</b> 09/04/1998 <b>Replaces:</b> 12/02/1998  The data provided here describe our product with respect to any safety requirements in accordance with our current know-how and findings. Guarantees regarding qualities or properties cannot be derived from these data.