



Werner Rumler Industriebedarf GmbH  
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**Trade name : WR - Stainless Steel Shot Chromium**

**EU - Safety Data Sheet to Regulation (EC) no. 1272/2008 (version 26.03)**

Issue date: **28.05.2013**

Revised to: **15.04.2013**

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**1. Identification of the substance and the company**

**Trade name:** **WR - Stainless Steel Shot Chromium  
CrH, CrM, CrLN**

**Use of the product:** Blast cleaning  
Stone working industry

**Company:** Werner Rumler GmbH  
Industriebedarf  
Haydnstraße 13  
D-40724 Hilden / Rhld.  
Phone: ++49 2103/ 31063  
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**Emergency phone:** Sale Department from Werner Rumler GmbH, Hilden  
Emergency-phone: ++49 2103 / 31063

**2. Hazards identification**

**Symbol and hazard identification:** not foreseen.

**Cr:** irritating - dermatitis

Exposure by inhalation of fine powders in large quantities, may produce symptoms called metal fume fever which last 24/48 hours.

MSDS26.03	22/04/2010	Updated for points 1.1; 13
MSDS26.02	22/05/2009	Updated for points 1.1; 3.1
MSDS26.01	22/10/2007	Updated for points 1.3; 2; 3; 15.2
MSDS26.00	19/04/2004	Superseding any unidentified previous issue
<b>Ident Rev.</b>	<b>Date</b>	<b>Description</b>



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**3. Composition/Information on ingredients**

**Fe > 80 %; Cr < 30 %; C < 3 %; Si < 2,5 %**

Iron-based smelted alloy. The stated components are in solid solution, not free.  
The information reported at point 2.2, 3.3 and 8.1 refer to the single elements component the alloy.

<b>Risk phrases</b>	not foreseen		
<b>Safety phrases</b>	not foreseen		
<b>Chemical name</b>	<b>EINECS/ ELINCS N°</b>	<b>CAS N°</b>	<b>INDEX N°</b>
Cr (Chrome)	231-157-5	7440-47-3	-
Fe (Iron)	231-096-4	7439-89-6	-
Si (Silicon)	231-130-8	7440-21-3	-

**4. First aid measures**

**Description of first aid measures**

**Skin contact :** Wash contaminated skin carefully with soap and water. Obtain medical advice if irritation occurs.  
**Eye contact :** Flush eyes carefully with water for a long time. If necessary obtain medical advice.  
**Inhalation :** Move the exposed person to fresh air at once. Perform artificial respiration if necessary. Obtain medical attention as soon as possible.  
**Ingestion :** Rinse mouth carefully with water. If any symptoms persist obtain medical advice.

**5. Fire fighting measures**

**FLAMMABLE:** No\*  
\*Special attention must be paid to processes and/or systems that might raise clouds of very fine powder, likely to be flammable in the presence of primers.  
Avoid ignition sources.  
To avoid electrostatic discharges, assure the electric bonding of metallic tins and plants.

**Subject to spontaneous combustion:** No  
**Extinguish media:** Dry powder extinguisher class D, dry sand.  
**Protective equipment:** Wear oxygen respirator and suitable personal safety devices (protective clothing, shoes, helmet, gloves and glasses).



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**6. Accidental release measures**

<b>Personal precautions:</b>	Prevent contact with skin and eyes by putting on the personal safety devices stated in point 8.2.
<b>Environmental precautions:</b>	Keep product away from sewers, surface and underground waters and from the ground.
<b>Cleaning up method:</b>	Do not use compressed air. Place in a container for recycling with a small shovel.

**7. Handling and storage**

<b>Storage information:</b>	Covered, dry and naturally-ventilated area. Avoid placing material on the floor. Do not stack more than 3 pallets high (for products packed in drums). Do not stack more than 1 pallet high (for product packed in big-bags).
<b>Preservation information:</b>	Keep product closed in its original packing. It is advisable to use material within 6 month from its forwarding date.

**8. Exposure controls / personal protection**

<b>Exposure limit values:</b>	TLV – TWA (ACGIH) [10 mg/m <sup>3</sup> ]: Cr = 0,5      Fe = 10
<b>Ventilation:</b>	Work area must be sufficiently ventilated to keep concentration below the exposure limit.
<b>Occupational exposure controls</b>	
<b>Respiratory protection:</b>	Filter mask FFP3 (S)
<b>Hand protection:</b>	leather gloves according to EN 388 standard
<b>Eye protection:</b>	safety glasses
<b>Personal hygiene:</b>	No smoking, eating or drinking in the work area.



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**9. Physical and chemical properties**

<b>Physical state:</b>	solid
<b>Form:</b>	irregular granules
<b>Colour:</b>	metallic grey
<b>Apparent density:</b>	2,5 - 4,5 g/cm <sup>3</sup>
<b>Specific weight:</b>	7,6 - 7,8 g/cm <sup>3</sup> at 20°C
<b>Melting point:</b>	1480 - 1540 °C
<b>Water solubility (mg/l):</b>	No

**10. Stability and reactivity**

**Stability at usual conditions:** stable

**Possibilities of decomposition:**

in water	No
in acids	Yes

Acid contact may generate flammable gas.

**Materials to avoid:** Acids.

**11. Toxicological information**

**Toxicity by different routes of exposure:**

Inhalation	n.d. (*)
Ingestion	n.d. (*)
Skin contact	n.d. (*)
Eye contact	n.d. (*)

**12. Ecological information**

<b>Ecotoxicity:</b>	n.d. (*)	
<b>Mobility:</b>	n.d. (*)	
<b>Persistence and degradability:</b>	n.d. (*)	
<b>Bio accumulative potential:</b>	n.d. (*)	(*) see point 16.3

**13. Disposal consideration**

Disposal procedures according to decision 2000/532/EC as amended by the decisions 2001/118/EC, 2001/119/EC, 2001/573/EC and 2008/98/EC.

**14. Transport information**

Road / Rail / Inland waterways Transport (RID/ADR/ADN)	Maritime transport (IMDG code)	Air transport (IATA /ICAO T.I.)
Product not classified as dangerous		



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**15. Regulatory information**

The safety data sheet has been made according to title IV of EC Regulatory no. 1907/2006 of European Commission and Council dd. December 18th, 2006 concerning restriction, evaluation, authorization and restriction of chemicals ( REACH).

**16. Other information**

**Risk and safety phrases list:** not foreseen

**Employee training advice:** training on explosion risk for very fine metal powders.

**Meaning of "n.d." initials (points 11 and 12):**

No specific test reports and/or data publication available at present.

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