

Safety Data Sheet

SS-CS & SS-CW

Complies with OSHA's Hazard Communication Standard 29 CFR 1910.1200.

Preparation: May 1, 2002
Review / Revision: May 2014

1. PRODUCT IDENTIFICATION

Part No. and Description: SS-CS, Cond. Stainless Steel Shot
SS-CW, Stainless Steel Cut Wire

Type of Product: Alloyed Chrome-Nickel-Steel

Product Name: CHRONITAL, rust-resistant, cast stainless steel abrasive

Trade Name: CHRONITAL

Manufacturer: Vulkan Blast Shot Technology
10 Plant Farm Blvd, Unit 2
Brantford, Ontario Canada N3S 7W3
519-753-2226 or 800-263-7674

Distributor: Goodson Tools and Supplies
156 Galewski Drive
Winona, MN 55987
507-452-1830 or 800-533-8010

Emergency Phone: 800-924-6804 (24 hours)

2. COMPOSITION / INDICATION OF CONSTITUENTS

Chemical characterization of the preparation

Iron-chromium-nickel-carbon alloy

Approx. main components:

Fe: 69%

Cr: 16-20% (metallic Chrome)

Cr⁶⁺: 0,00% (Chrome (VI), Hexavalent Chrome)

Ni: 8-10%

C: 0.2%

Mn: 1.2%

Si: 2%

Specifications with regard to the preparation

<u>CAS No.</u>	<u>Name of material</u>	<u>Percentage Value</u>	<u>Danger Code</u>	<u>"R" Clauses</u>	<u>"S" Clauses</u>
7440-02-0	Nickel	Approx. 10%	Xn	11;40;43	2,22;36

Additional Notes concerning item 2.2

The product exists in the form of a solid metallic bond ensuring that nickel, as a possible hazardous material, does not have any effect. In the form in which it enters into circulation and is used, it does not present any health hazard.

3. POSSIBLE RISKS

Designation of risks: During mechanical application (i.e in blasting plants) dust and vapor may occur. The usual precautions should be taken. The statutory limit values for dust and vapor have to be adhered to.

4. FIRST - AID MEASURES

General Notes: First-aid measures only refer to dust.

Measures in case of inhaling: Ensure sufficient fresh air supply, and consult a physician, if necessary.

Measures in case of eye contact: Rinse your eyes with plenty of water; consult a physician, if necessary.

5. FIRE FIGHTING MEASURES

not applicable (n.a.)

6. ACCIDENTAL RELEASE MEASURES

not applicable (n.a.)

7. HANDLING AND STORAGE

Handling: No danger.

Storage: No danger.

8. RESTRICTION OF EXPOSURE & PERSONAL PROTECTIVE EQUIPMENT

Additional notes regarding the configuration of technical plants: cf.Item 3.1

Constituents with workplace - specific limiting values to be controlled: Limiting values are only defined for the elements contained in steel, e.g. for Ni, Cr, Mn, whereas no such limits have been established for steel, as such.

Personal protective equipment: Standard equipment for processing of metals. Dust and vapor have to be maintained below the statutory limits by providing adequate suction facilities.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:

State: solid

Odor: odorless

pH-value: Not applicable

Boiling Point: Not applicable

Flash Point: Not applicable

Autoignition Temperature: Not applicable

Fire promoting properties: Not applicable

Vapor Pressure at ...°C: Not applicable

Solubilizing properties and distribution:

Water-Solubility: insoluble

Distribution coefficient: Not applicable

Color: silver-grey, metallic

Safety-relevant data: Not applicable

Change of state: Not applicable

Melting Point: 1.400 - 1.550°C

Inflammability: Not applicable

Self-inflammability: Not applicable

Explosion limits: Not applicable

Density at 20°C: 7,7 - 8,1 g/cm³

Fat-Solubility: Not applicable

10. STABILITY AND REACTIVITY

Stable and non-reactive

11. INDICATIONS CONCERNING TOXICOLOGY

The steel contains nickel (classified as a hazardous material), chromium and manganese (with limited values to be controlled). In its usual solid state, and on condition of a usual industrial application, the steel can neither be inhaled nor be in permanent or long lasting contact with the skin.

Results of toxicological tests

Acute toxicity: Not applicable

Acute toxicity oral: Not applicable

Acute toxicity, when inhaled: None

Acute toxicity, dermal: None

Irritant - caustic effect: None

Irritant - caustic effect on skin: None

Irritant - caustic effect on eyes: Not applicable

Sensitization: None

Effects after repeated or extended exposure:

Subacute effects: None

Subchronic effects: None

Chronic effects: None

Specific effects: None

Carcinogenic effects: None

Experience from practical application:

Classification-relevant observations: A carcinogenic effect by manufacture, use, processing or machining of special steel could neither be proved in epidemiologic studies nor in the scope of experiments on animals.

Other Observations: The experience made for decades in the scope of a variety of applications has shown that this steel, in particular stainless steel is to be regarded as an extremely resistant and perfectly hygienic material.

General Notes: None

12. NOTES REGARDING ECOLOGY

Not water-soluble, no precautions required.

13. NOTES REGARDING UTILIZATION AND DISPOSAL

Waste and scrap constitute valuable materials, which can easily be disposed, since new products of high value can be produced by means of recycling.

14. NOTES REGARDING TRANSPORT

Not classified as hazardous material in the sense of transport regulations.

15. REGULATIONS

Identification according to Ri67/548/EWG

Code (cf. items 2,3 and 4)

Xn for nickel

Danger designation for nickel (cf. items 2,3 and 4)

Slightly toxic

R clauses for nickel (cf. items 2,3 and 4)

11 easy inflammability

40 irreversible injury possible

43 potential sensitization by skin contact

S Clauses for nickel (cf. items 2,3 and 4)

2 not for children's hands

22 do not inhale dust

36 always wear adequate protective clothing during processing

Special marking

Not applicable

Remarks

Transmission of marking pursuant to Ri67/548/EWG

National Regulations

Regulations

German Chemicals Law, German Ordinance on Hazardous Materials, Federal German Act on Protection against Immissions.

Additional Notes and Shortcuts

N.A. = Not Applicable

16. OTHER INFORMATION

Declaration: The indications made in this Safety Data Sheet are based on the present state of our know-how and experience. The Safety Data Sheet describes the products in view of safety requirements. The indications do not constitute any guarantee with regard to product properties and do not create a contractual legal relationship.