



**SAFETY DATA SHEET**  
**STAINLESS STEEL CUT WIRE**

Revision Date: 23/11/2018

Language: en-US

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**1. Product and company identification**
**Product Identifier:**

Trade Name: STAINLESS STEEL CUT WIRE ABRASIVE

**Relevant identified uses of the substance or mixture and uses advised against**

General use: As a blasting agent  
For industrial purposes only

**Details of the supplier of the safety data sheet**

Company name: VULKAN BLAST SHOT  
Street: 2-10 Plant Farm Blvd  
City/State: Brantford, ON N3S 7W3

Website: [www.vulkanshot.com](http://www.vulkanshot.com)  
Telephone: 800-263-7674  
Fax: 519-759-8472

**Emergency phone number**

Telephone: 800-263-7674

**2. Hazards identification**
**Emergency overview**

Appearance: Form: Solid, powder  
Color: Metallic Silver gray

Odor: Odorless

Classification: Sensitization - skin (fume or dust)

Hazard statement: May cause an allergic skin reaction

Precautionary statements: Obtain special instructions before use  
Avoid breathing dust/fume/mist  
Wear protective gloves/protective clothing/eye protection  
IF ON SKIN: Wash with plenty of water/soap  
IF exposed or concerned: Get medical advise/attention

**Hazards not otherwise classified** Vapors /Dust should be exhausted directly at the point of origin  
Particular danger of slipping on spilled product on the ground  
see section 11: Toxicological information

### 3. Composition/information on ingredients

Hazardous ingredients:

CAS No.	Designation	Content	Classification
CAS 7439-89-6	Iron	< 99.0	not applicable
CAS 7440-47-3	Chromium	< 20%	not applicable
CAS 7440-02-0	Nickel	< 10.5%	Sensitization - skin (fume or dust)
CAS 7439-96-5	Manganese	< 2.0 %	not applicable
CAS 7440-21-3	Silicon	< 1.5 %	not applicable
CAS 7440-44-0	Carbon	< .15 %	not applicable
CAS 7723-14-0	Phosphorus	< .045 %	not applicable
CAS 7704-34-9	Sulphur	< .030 %	not applicable

### 4. First aid measures

In case of inhalation: Remove the casualty into fresh air and keep him calm  
Seek medical treatment in case of troubles

Following skin contact: Immediately clean with water and soap followed by thorough rinsing  
In case of skin irritation, consult a physician

After eye contact: Immediately flush eyes with plenty of flowing water for 0 to 15 minutes holding eyelids  
apart. Consult an ophthalmologist

After swallowing: Rinse mouth with water. Consult physician  
Never give anything by mouth to an unconscious person

**Most important symptoms/effects, acute and delayed**

May cause delayed chronic health hazard

**Information to physician**

Treat symptomatically

### 5. Fire fighting measures

Flash point/flash point range: no data available

Auto-ignition temperature: not self-igniting

Suitable extinguishing media: Sand, Special extinguishing powder for metals

Extinguishing media which must not be used for safety reasons  
Water

**SPECIFIC HAZARDS ARISING FROM THE CHEMICAL**

Can be released in case of fire: Toxic metal oxide smoke

Protective Equipment and precautions for firefighters:

Wear a self-contained breathing apparatus and chemical protective clothing

Additional information:

Do not allow water used to extinguish fire to enter drains, ground or waterways. Treat runoff as hazardous.

You have to dispose of contaminated extinguishing water according to the regulations of the authorities

## 6. Accidental release measures

Personal precautions:

Avoid exposure. Provide adequate ventilation. Avoid generation of dust.  
Do not breathe dust. Wear protective equipment.  
Avoid contact with skin and eyes.

Environmental precautions:

Discharge into the environment must be avoided.

Methods for clean-up:

Take up mechanically. Dispose of in accordance with the regulations or material recycling. Do not use air pressure.

Additional information:

Particular danger of slipping on spilled product on the ground.

## 7. Handling and storage

### Handling

Advice on safe handling:

Avoid exposure - obtain special instructions before use.  
Provide adequate ventilation, and local exhaust as needed  
Vapors / Dust should be exhausted directly at the point of origin  
Do not breathe dust. Wear protective equipment.  
Avoid contact with skin and eyes

### Storage

Requirements for storerooms and containers:

Keep container dry

Hints for joint storage:

Maintain air gap between stacks/pallets  
Keep away from food, drink and animal feeding stuffs  
Do not store together with acids

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## 8. Exposure controls / personal protection

### Exposure guidelines:

Occupational exposure limit values:

CAS No.	Designation		Type		Limit value	
7439-89-6	Iron	USA	ACGIH	TWA	10 mg/m <sup>3</sup>	smoke, dust
		USA	OSHA	TWA	10 mg/m <sup>3</sup>	
7440-47-3	Chromium	USA	ACGIH	TWA	.5 MG/M <sup>3</sup>	
		USA	NIOSH	TWA	.5 MG/M <sup>3</sup>	
		USA	OSHA	TWA	.5 MG/M <sup>3</sup>	
7440-02-0	Nickel	USA	ACGIH	TWA	.1 mg/m <sup>3</sup>	
						compounds, soluble: inhale fraction
		USA	ACGIH	TWA	.2 mg/m <sup>3</sup>	
						compounds, insoluble: inhale fraction
		USA	ACGIH	TWA	1.5 mg/m <sup>3</sup>	metal, inhalable fraction
7439-96-5	Manganese	USA	NIOSH	TWA	.015 mg/m <sup>3</sup>	
		OSHA: Ceiling			5 mg/m <sup>3</sup>	
		USA	ACGIH	TWA	0.02 mg/m <sup>3</sup>	respirable fraction
		USA	ACGIH	TWA	0.1 mg/m <sup>3</sup>	inhalable fraction
		USA	NIOSH	STEL	3 mg/m <sup>3</sup>	
7440-21-3	Silicon	USA	NIOSH	TWA	1 mg/m <sup>3</sup>	
		USA	NIOSH	TWA	10 mg/m <sup>3</sup>	inhalable fraction
		USA	NIOSH	TWA	5 mg/m <sup>3</sup>	respirable fraction
		USA	OSHA	TWA	15 mg/m <sup>3</sup>	inhalable fraction
7440-44-0	Carbon	USA	OSHA	TWA	5 mg/m <sup>3</sup>	respirable fraction
		USA	OSHA	TWA	15 mg/m <sup>3</sup>	inhalable fraction
		USA	OSHA	TWA	5 mg/m <sup>3</sup>	respirable fraction
7723-14-0	Phosphorus	USA	ACGIH	TWA	0.1 mg/m <sup>3</sup>	
7704-34-9	Sulfur	USA	ACGIH	TWA	5 mg/m <sup>3</sup>	sulfur dioxide

Additional information : Limiting values are only defined for the above-mentioned material, whereas no such limits have been established for alloys made out of it.

### Engineering controls

Provide adequate ventilation, and local exhaust as needed.  
Vapors / Dust should be exhausted directly at the point of origin.

### Personal protection equipment (PPE)

Eye/face protection	Tightly sealed goggles according to OSHA Standard - 29 CFR: 1910.133 or ANSI Z87.1-2010
Skin protection	Wear suitable protective clothing Protective gloves according to OSHA Standard - 29 CFR: 1910.133 or ANSI Z87.1-2010
Respiratory protection	Respiratory protection must be worn whenever the TLV (WEL) levels have been exceeded. Use filter type FFP2 according to OSHA Standard - 29 CFR: 1910-.134 or ANSI Z88.2
General hygiene considerations	Obtain special instructions before use When using do not eat, drink or smoke Do not breathe dust. Avoid contact with the substance. Wash hands before breaks and after work. Eye wash facility must be provided

## 9. Physical and chemical properties

### Information on basic physical and chemical properties

Appearance	Form:	Solid
	Color:	Metallic Silver gray
Odor		Odorless
Odor threshold		N/A
PH Value		N/A
Melting point/freezing point		2500-2800 degrees F
Initial boiling point and boiling range		no data available
Flash point/flash point range		no data available
Evaporation rate		no data available
Flammability		no data available
Explosion limits		no data available
Vapor pressure		no data available
Vapor density		no data available
Density		.28 lbs/cu.m
Water solubility		insoluable
Partition coefficient: n-octanol/water		no data available
Auto-ignition temperature		not self-igniting
Thermal decomposition		no data available

## 10. Stability and reactivity

Reactivity	With exposure to acids, product will release hydrogen
Chemical stability	Product is stable under normal storage conditions
Possibility of hazardous reactions	No hazardous reactions known
Conditions to avoid	No data available
Incompatible materials	Acids
Hazardous decomposiion products	Can be released in case o fire: Toxic metal oxide smoke
Thermal decomposition	No data available

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## 11. Toxicological information

### Toxicological tests

Toxicological effects	Acute toxicity (oral)	Lack of data
	Acute toxicity (dermal)	Lack of data
	Acute toxicity (inhalative)	Lack of data
	Skin corrosion/irritation	Lack of data
	Eye damage/irritation	Lack of data
	Sensitisation to the respiratory tract	Lack of data
	Skin sensitization:	Category 1 = Possible allergic skin reaction (dust/fume)
	Germ cell mutagenicity/Genotoxicity:	Lack of data
	Carcinogenicity:	Lack of data
	Reproductive toxicity:	Lack of data
	Effects on or via lactation	Lack of data
	Specific target organ toxicity (single exposure)	Lack of data
	Specific target organ toxicity (repeated exposure)	Lack of data
Aspiration hazard	Lack of data	

## 12. Ecological information

<b>Ecotoxicity</b>	No data available
<b>Mobility in soil</b>	No data available
<b>Persistence and degradability</b>	Methods for the determination of biodegradability are not applicable to inorganic substance
<b>Additional ecological information</b>	Discharge into the environment must be avoided

## 13. Disposal considerations

<b>Product</b>	Material recycling
<b>Contaminated packaging</b>	Non-contaminated packages may be recycled Dispose of waste according to applicable legislation

## 14. Transport information

<b>USA: Department of Transportation (DOT)</b>	Not controlled under DOT
<b>Sea transport (IMDG)</b>	
Proper shipping name	Not restricted
Marine pollutant	No
<b>Air Transport (IATA)</b>	
Proper shipping name	Not restricted
<b>Further information</b>	No dangerous good in sense of these transport regulations

<b>15. Regulatory information</b>
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**U.S. Federal Regulations**

Iron	TSCA Inventory	Listed	
	TSCA HPVC	Not Listed	
Chromium	TSCA Inventory	Listed	
	TSCA HPVC	Not Listed	
	Carcinogen Status:		
	IARC Rating	Group 3	
	OSHA Carcinogen	Not Listed	
	Clean Water Act		
	Priority Pollutant	Yes	
	Other Environmental Laws		
	CERCLA	RQ 5000 lbs	
	RCRA Hazardous Wastes	Code D007	
	RCRA Groundwater Monitoring		
	Methods	6010,7190,719/PQL 70,500,10	
	SARA Title III Section 313		
	Toxic Release: Conc 0.1% / Threshgold Standard		
	NIOSH Recommendations:		
	Occupational Health Guideline		141
Nickel	TSCA Inventory	Listed	
	TSCA HPVC	Not Listed	
	Carcinogen Status:		
	IARC Rating	Group 2B	
	OSHA Carcinogen	Not Listed	
	NTP Rating	Listed	
	Clean Water Act		
	Priority Pollutant	Yes	
	Other Environmental Laws		
	CERCLA	RQ 100* lbs	
	RCRA Groundwater Monitoring		
	Methods:	6010,7520 /PQL 50,400	
	SARA Title III Section 313		
	Toxic Release: Conc 0.1% / Threshgold Standard		
	NIOSH Recommendations		
	Occupational Health Guideline	0445*	
Manganese	TSCA Inventory	Listed	
	TSCA HPVC	Not Listed	
	Other Environmental Laws		
	SARA Title III Section 313		
	Toxic Release: Conc 0.1% / Threshgold Standard		
	NIOSH Recommendations		
	Occupational Health Guideline	0379*	
Carbon	TSCA Inventory	Listed	
	TSCA HPVC	Not Listed	
	NIOSH Recommendations		
	Occupational Health Guideline	0307	
Phosphorus	TSCA Inventory	Listed	
	TSCA HPVC	Not Listed	
	NIOSH Recommendations		
	Occupational Health Guideline	0507	
Sulfur	TSCA Inventory	Listed	
	TSCA HPVC	Not Listed	
	NIOSH Recommendations		
	Occupational Health Guideline	0575	

**16. Other information****Text for labeling**

Contains < 99.0 % Iron, < 20 % Chromium, <10.5 % Nickel, < 3% Manganese, <3 % Silicon  
< 0.2 % Carbon, < .045 Phosphorus, < .030 % Sulphur. Safety Data sheet available on request.

## NFPA Hazard Rating

Health	0	Minimal
Fire	0	Minimal
Reactivity	0	Minimal

## HMIS Version III Rating

Health	0	Minimal
Flammability	0	Minimal
Physical Hazard	0	Minimal
Personal Protection	X	Consult your supervisor

The information in this data sheet has been established to our best knowledge and was up-to-date at time of revision. It does not represent a guarantee for the properties of the product described in terms of the legal warranty regulations.

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