



AbrasiveMaterials

SAFETY DATA SHEET

Revision Date: 5/21/2022

STAINLESS STEEL CUT WIRE

Language: en-US

Date of print: 11/19/2025

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1. Product and company identification

Product Identifier:

Trade Name: STAINLESS STEEL CUT WIRE

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: ABRASIVE MATERIALS
Street: 7253 Tower Road
City/State: Battle Creek, MI 49014

Website: www.ABRASIVEMATERIALS.COM
Telephone: 517-437-4268

Emergency phone number 517-437-4268

Telephone:

SOLID CYLINDRICAL SHAPED PARTICLES WITH LEGNTH EQUAL TO THE DIAMATER

2. Hazards identification

Emergency overview

Appearance: Form: Solid Cylindrical Shaped Particles with Length equal to Diameter
Color: Metallic Silver gray

Odor: Ordorless

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 orgin
Particular danger of slipping on spilled product on the ground
see section 11: Toxicological information



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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



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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.

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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

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 ³ smoke, dust
		USA OSHA TWA	10 mg/m ³
7440-47-3	Chromium	USA ACGIH TWA	.5 MG/M ³
		USA NIOSH TWA	.5 MG/M ³
		USA OSHA TWA	.5 MG/M ³
7440-02-0	Nickel	USA ACGIH TWA	.1 mg/m ³
			compounds, soluble: inhale fraction
		USA ACGIH TWA	.2 mg/m ³
			compounds, insoluble: inhale fraction
7439-96-5	Manganese	USA ACGIH TWA	1.5 mg/m ³
			metal, inhale fraction
		USA NIOSH TWA	.015 mg/m ³
		OSHA: Ceiling	5 mg/m ³
		USA ACGIH TWA	0.02 mg/m ³ respirable fraction
		USA ACGIH TWA	0.1 mg/m ³ inhale fraction
7440-21-3	Silicon	USA NIOSH STEL	3 mg/m ³
		USA NIOSH TWA	1 mg/m ³
		USA NIOSH TWA	10 mg/m ³ inhale fraction
		USA NIOSH TWA	5 mg/m ³ respirable fraction
		USA OSHA TWA	15 mg/m ³ inhale fraction
7440-44-0	Carbon	USA OSHA TWA	5 mg/m ³ respirable fraction
		USA OSHA TWA	15 mg/m ³ inhale fraction
		USA OSHA TWA	5 mg/m ³ respirable fraction
7723-14-0	Phosphorus	USA ACGIH TWA	0.1 mg/m ³
7704-34-9	Sulfur	USA ACGIH TWA	5 mg/m ³ , 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.



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8. Exposure controls / personal protection

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
Water solubility		insoluble
Partition coefficient: n-octanol/water		no data available
Auto-ignition temperature		not self-igniting
Thermal decomposition		no data available



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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 decomposition products	Can be released in case of fire: Toxic metal oxide smoke
Thermal decomposition	No data available

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

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



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15. Regulatory information - continued

Nickel	Other Environmental Laws	
	CERCLA	RQ 100* lbs
	RCRA Groundwater Monitoring	
	Methods:	6010,7520 /PQL 50,400
	SARA Title III Section 313	
Manganese	Toxic Release: Conc 0.1% / Threshold Standard	
	NIOSH Recommendations	
	Occupational Health Guideline	0445*
	TSCA Inventory	Listed
	TSCA HPVC	Not Listed
Carbon	Other Environmental Laws	
	SARA Title III Section 313	
	Toxic Release: Conc 0.1% / Threshold Standard	
	NIOSH Recommendations	
	Occupational Health Guideline	0379*
Phosphorus	TSCA Inventory	Listed
	TSCA HPVC	Not Listed
	NIOSH Recommendations	
	Occupational Health Guideline	0307
	TSCA Inventory	Listed
Sulfur	TSCA HPVC	Not Listed
	NIOSH Recommendations	
	Occupational Health Guideline	0507
	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.