



**WEILER CORPORATION**  
**MATERIAL SAFETY DATA SHEET**

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<b>IDENTITY (As Used on Label and List)</b>		<b>CARBON STEEL WIRE</b>		
<b>SECTION I</b>				
Manufacturer's Name: Weiler Corporation		Emergency Telephone Number: 570-595-7495		
Address (Number, Street, City, State, ZIP Code)		Telephone Number for Information: 570-595-7495		
One Weiler Drive		Date Prepared: February 11, 2015		
Cresco, PA 18326		Name/Signature of Preparer:  FRANK J. HETTES		
<b>SECTION II - HAZARDOUS INGREDIENTS/IDENTITY INFORMATION</b>				
Hazardous Components, (Specific Chemical Identity, Common Name(s))	CAS #	OSHA PEL	ACGIH TLV	% (optional)
BASE METAL:				
IRON	7439-89-6	10mg/m <sup>3</sup>	As Iron Oxide Fumes	95 - 99%
ALLOYS:				
CARBON	7440-44-0	-----		.01 - 1.25%
MANGANESE	7439-96-5	5mg/m <sup>3</sup>	As Manganese	.25 - 1.65%
PHOSPHOROUS	7723-14-0	0.1mg/m <sup>3</sup> (yellow)	As Phosphorous	.04% max.
SILICON	7440-21-3	-----		1.6% max.
SULFUR	7704-34-9	13mg/m <sup>3</sup>	As Sulfur Dioxide	.001 - .035%
VANADIUM	7440-22-6	0.1mg/m <sup>3</sup> 0.5mg/m <sup>3</sup>	As Vanadium Pentoxide (fume) As Vanadium Pentoxide (dust)	.01 - .35%
CHROMIUM	7440-47-3	1mg/m <sup>3</sup>	As Soluble Chromic	.01 - 1.5%
<b>SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS</b>				
Boiling Point	N/A*	Specific Gravity (H <sub>2</sub> O = 1)	7	
Vapor Pressure (mm Hg.)	N/A*	Melting Point	N/A*	
Vapor Density (AIR = 1)	N/A*	Evaporation Rate (Butyl Acetate = 1)	N/A*	
Solubility in Water: N/A*				
Appearance and Odor: Gray black and odorless				
<b>SECTION IV - FIRE AND EXPLOSION HAZARD DATA</b>				
Flash Point (method used): N/A*	Flammable Limits: N/A*	LEL: N/A*	UEL: N/A*	
Extinguishing Media: N/A*				
Special Fire Fighting Procedures: N/A*				
Unusual Fire and Explosion Hazards: N/A*				

\*N/A = NOT APPLICABLE



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**SECTION V – REACTIVITY DATA**

Stability	Conditions to Avoid	
	Unstable	
	Stable	xx
Incompatibility (Materials to Avoid): None		
Hazardous Decomposition or Byproducts: a) Metal fumes: Iron Oxide; B) Manganese; C) Vanadium Pentoxide; D) Chromium		
Hazardous Polymerization	Conditions to Avoid	
	May Occur	Not known
	Will Not Occur	Not known

**SECTION VI - HEALTH HAZARD DATA**

Route(s) of Entry:	Inhalation? Yes	Skin? No	Ingestion? Seek medical help
Health Hazards:	ACUTE		CHRONIC
Iron (Iron Oxide)	Irritation of eyes, nose, throat, metallic taste in mouth or metal fume fever		Pulmonary effects, siderosis
Manganese	Irritation of eyes, nose, throat, metallic taste in mouth or metal fume fever		Bronchitis, pneumonitis, lack of coordination
Vanadium	Irritant to conjunctivae and respiratory tract (greenish-black discoloration of tongue and shortness of breath)		
Chromium	Irritation of eyes, nose and lungs; dermatitis		Various forms of dermatitis, inflammation and/or ulceration of upper respiratory tract and possible cancer of nasal passages and lungs. Based on available information, there does not appear to be any evidence that exposure to welding fumes induces human cancer.
Carcinogenicity:	NTP? Not known	IARC Monographs?	OSHA Regulated?
Signs and Symptoms of Exposure: Not known			
Medical Conditions Generally Aggravated by Exposure: Not known			
Emergency and First Aid Procedures: Wash skin with soap and water; seek medical attention			

**SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE**

Steps to be Taken in Case Material is Released or Spilled: N/A*
Waste Disposal Method: N/A*
Precautions to be Taken in Handling and Storing: N/A*
Other Precautions: Welding & cutting - adequate ventilation and/or approved respiratory protection should be provided if PEL is extended

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**SECTION VIII - CONTROL MEASURES**

Respiratory Protection (Specify Type): NIOSH approved dust/mist/fume respirator if OSHA PEL is exceeded

Ventilation:

Local Exhaust:

Special: Depending on use, consult local, state and federal codes for appropriate selection  
Mechanical (General):

Protective Gloves: Check codes

Eye Protection: Check codes

Other Protective Clothing or Equipment: Depending on use, consult local, state and federal codes for appropriate selection

Work/Hygienic Practices: Keep work area clean

**WB700**

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