

**WEILER CORPORATION
MATERIAL SAFETY DATA SHEET**



IDENTITY (As Used on Label and List)		CARBON STEEL WIRE	
SECTION I			
Manufacturer's Name: Weiler Corporation		Telephone Number for Information: 570-595-7495	
Address: One Weiler Drive		Date Prepared: September 24, 2013	
City, State, ZIP Code: Cresco, PA 18326		Website: www.weilercorp.com	
Name/Title of Preparer: Larry Mell, Product Development Manager			
SECTION II - HAZARDOUS INGREDIENTS/IDENTITY INFORMATION			
Hazardous Components, (Specific Chemical Identity, Common Name(s))	CAS #	OSHA PEL	ACGIH TLV % (optional)
BASE METAL:			
IRON	7439-89-6	10mg/m ³	As Iron Oxide Fumes 95 - 99%
ALLOYS:			
CARBON	7440-44-0	-----	.01 - 1.25%
MANGANESE	7439-96-5	5mg/m ³	As Manganese .25 - 1.65%
PHOSPHOROUS	7723-14-0	0.1mg/m ³ (yellow)	As Phosphorous .04% max.
SILICON	7440-21-3	-----	1.6% max.
SULFUR	7704-34-9	13mg/m ³	As Sulfur Dioxide .001 - .035%
VANADIUM	7440-22-6	0.1mg/m ³ 0.5mg/m ³	As Vanadium Pentoxide (fume) As Vanadium Pentoxide (dust) .01 - .35%
CHROMIUM	7440-47-3	1mg/m ³	As Soluble Chromic .01 - 1.5%
SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS			
Boiling Point	N/A*	Specific Gravity (H ₂ 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			
SECTION IV - FIRE AND EXPLOSION HAZARD DATA			
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	

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