

Weiler Corporation

Carbon Steel Wire



SECTION 1 : Chemical Product and Company Identification

MSDS Name: Carbon Steel Wire

Manufacturer Name: Weiler Corporation

Address:

One Weiler Drive,
Cresco, PA 18326

Emergency Telephone Number: (570) 595-7495

Business Phone: (570) 595-7495

For information in North America, call: (570) 595-7495

Manufacturer MSDS Revision Date:

January 25, 2009

Name of preparer:

Frank J. Hettes



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SECTION 2 : Hazardous Ingredients/Identity Information

Chemical Name	CAS#	Percent	
BASE METAL: Iron	7439-89-6	Optional: 95-99%	

OSHA PEL TWA: 10 mg/m3 As iron oxide fumes

Chemical Name	CAS#	Percent	
ALLOYS: Carbon	7440-44-0	Optional: .01 - 1.25%	

Chemical Name	CAS#	Percent	
ALLOYS: Manganese	7439-96-5	Optional: .25 - 1.65%	

OSHA PEL TWA: 5 mg/m3 As manganese

Chemical Name	CAS#	Percent	
ALLOYS: Phosphorous	7723-14-0	Optional: .04% max.	

OSHA PEL TWA: 0.1 mg/m3 (yellow) As phosphorous

Chemical Name	CAS#	Percent	
ALLOYS: Silicon	7440-21-3	Optional: 1.6% max.	

Chemical Name	CAS#	Percent	
ALLOYS: Sulfur	7704-34-9	Optional: .001 -.035%	

OSHA PEL TWA: 13 mg/m3 As sulfur dioxide

Chemical Name	CAS#	Percent	
ALLOYS: Vanadium	7440-22-6	Optional: .01 - .35%	

Other Exposure Guidelines:

OSHA PEL: 0.1 mg/m3 As vanadium pentoxide (fume)

0.5 mg/m3 As vanadium pentoxide (dust)

Chemical Name	CAS#	Percent	
ALLOYS: Chromium	7440-47-3	Optional: .01 - 1.5%	

OSHA PEL TWA: 1 mg/m3 As soluble chromic



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SECTION 3 : Physical And Chemical Characteristics

Color:

Grey black

Odor:

Odorless

Odorless

Vapor Pressure:

(mm Hg.): Not applicable

Vapor Density:

(AIR=1): Not applicable

Boiling Point:

Not applicable

Melting Point:

Not applicable

Solubility:

In Water: Not applicable

Specific Gravity:

(H₂O=1): 7

Evaporation Point:

(Butyl Acetate=1): Not applicable

FlashPoint:

Not applicable

Upper Flammable Explosive Limit:

Not applicable

Lower Flammable Explosive Limit:

Not applicable



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SECTION 4 : Fire And Explosion Hazards

Flash Point:

Not applicable

Flash Point Method:

Not applicable

Upper Flammable or Explosive Limit: Not applicable

Lower Flammable or Explosive Limit: Not applicable

Extinguishing Media:

Not applicable

Fire Fighting Instructions:

Not applicable

Unusual Fire Hazards:

Not applicable



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SECTION 5 : Health Hazards

Applies to all ingredients:

Route of Exposure:

Inhalation?: Yes

Skin?: No

Ingestion?: Seek medical help

Carcinogenicity:

NTP Designation: Not known

Signs/Symptoms:

Not known

BASE METAL: Iron:

Potential Health Effects:

Iron oxide:

ACUTE: Irritation of eyes, nose, throat, metallic taste in mouth or metal fume fever.

Chronic Health Effects:

Pulmonary effects, siderosis.

ALLOYS: Manganese:

Potential Health Effects:

ACUTE: Irritation of eyes, nose, throat, metallic taste in mouth or metal fume fever.

Chronic Health Effects:

Bronchitis, pneumonitis, lack of coordination.

ALLOYS: Vanadium:

Potential Health Effects:

ACUTE: Irritant to conjunctivae and respiratory tract (greenish-black discoloration of tongue and shortness of breath).

ALLOYS: Chromium:

Potential Health Effects:

ACUTE: Irritation of eyes, nose and lungs; dermatitis.

Chronic Health Effects:

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.



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SECTION 6 : Emergency And First Aid Procedures

Skin Contact:

Wash skin with soap and water; seek medical attention.



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SECTION 7 : Reactivity Data

Chemical Stability:

Stable

Incompatibilities with Other Materials:

(Materials to Avoid): None

Hazardous Polymerization:

Not known

Hazardous Decomposition Products:

A) Metal fumes: Iron Oxide; B) Manganese; C) Vanadium Pentoxide; D) Chromium



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SECTION 8 : Precautions For Safe Handling

Spill Cleanup Measures:

Not applicable

Other Precautions:

Welding and cutting - adequate ventilation and/or approved respiratory protection should be provided if PEL is extended.

Handling:

Not applicable

Storage:

Not applicable

Hygiene Practices:

Keep work area clean.

Waste Disposal:

Not applicable



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SECTION 9 : Control Measures

Ventilation System:

Special: Depending on use, consult local, state and federal codes for appropriate selection.

Hand Protection Description:

Protective gloves: Check codes

Eye/Face Protection:

Check codes

Protective Clothing/Body Protection:

Depending on use, consult local, state and federal codes for appropriate selection.

Respiratory Protection:

(Specify type): NIOSH approved dust/mist/fume respirator if OSHA PEL is exceeded.

Work/Hygienic Practices: Keep work area clean.



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SECTION 10 : Other Information

MSDS Revision Date:

January 25, 2009

MSDS Author:

Frank J. Hettes

Abbreviation:

*N/A = Not applicable