# **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 ALLOYS: Carbon	<b>CAS#</b> 7440-44-0	Percent 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		Percent	
ALLOYS: Phosphorous	7723-14-0	Optional: .04% max.	

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

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

#### OSHA PEL TWA: 13 mg/m3 As sulfur dioxide

Chemical Name	CAS#	Percent	
ALLOYS: Vanadium	7440-22-6	Optional: .0135%	

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





# **SECTION 3: Physical And Chemical Characteristics**

Color:

Grey black

Odor:

0404000

# uaoness 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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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



# **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:

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).

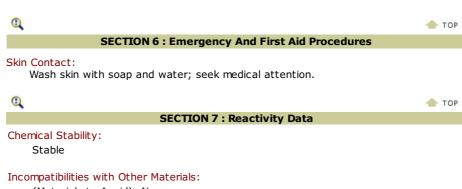
#### **ALLOYS: Chromium:**

#### 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.



# (Materials to Avoid): None

# Hazardous Polymerization:

Not known

# Hazardous Decomposition Products:

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



#### 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



# 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.

TOP

Work/Hygienic Practices: Keep work area clean.



#### **SECTION 10: Other Information**

# MSDS Revision Date:

January 25, 2009

#### MSDS Author:

Frank J. Hettes

#### Abbreviation:

\*N/A = Not applicable

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