

## Section 1: Identification of the substance/mixture and of the company/undertaking

### Product identifier

**Product name:** CARBON STEEL WELDING WIRE  
**Substance name:** CARBON STEEL WELDING WIRE  
**Index No.:** N.A.  
**CAS No.:** See Section 3  
**EC No.:** See Section 3  
**Identified uses:** Used for Welding.

## Manufactured for:

**Hobart Welding Products**  
N855 Mayflower Drive  
Appleton WI 54913

### Emergency telephone number

In China: +86-519-88705582; or call local POISON CONTROL CENTER

## Section 2: Hazards identification

### EMERGENCY OVERVIEW:

This product is not a hazardous material. But slightly hazardous in case of eye contact (irritant), of ingestion, of inhalation.

### Potential Acute Health Effects:

**Inhalation:** Temporary mechanical irritation of the upper respiratory tract (scratchy throat, coughing, congestion) may result from exposures to dusts and fibers in excess of applicable exposure limits.  
**Eye:** Exposure to particulates may cause conjunctivitis, ulceration, and corneal abnormalities.  
**Skin:** Product is generally non- toxic.  
**Ingestion** Product is generally non- toxic.

### Potential Chronic Health Effects:

CARCINOGENIC EFFECTS: Not Available  
MUTAGENIC EFFECTS: Not Available  
TERATOGENIC EFFECTS: Not Available  
DEVELOPMENTAL TOXICITY: Not Available



Repeated or prolonged exposure is not known to aggravate medical condition.

### Section 3: Composition/information on ingredients

Chemical Name	CAS:	Weight %
IRON, Fe	7439-89-6	≥97
CARBON, C	7440-44-0	0.09
MANGANESE, Mn	7439-96-5	1.58
SILICON, Si	7440-21-3	0.95
PHOSPHORUS, P	7723-14-0	0.011
SULFUR, S	64742-79-6	0.015

**Synonym:**

### Section 4: First aid measures

**Inhalation:**

If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

**Skin contact:**

Wash thoroughly with soap and water. Get medical attention if irritation develops.

**Eye contact:**

Flush with water for 15 minutes occasionally lifting the eyelids.

**Ingestion:**

Obtain first aid or medical assistance, if needed.

**Notes for the doctor:**

Treat symptomatically and supportively.

### Section 5: Fire-fighting measures

**General Information:**

As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear.

**Suitable Extinguishing Agents:**

Small Fire: Use DRY chemical powder.

Large Fire: Use water spray, fog or foam. Do not use water jet.

**Products of Combustion:**

Oxides of metal.

**Special Fire Fighting Procedures:**

Firefighters should wear self-contained breathing apparatus and full fire-fighting turn-out gear (bunker gear). Keep personnel removed and upwind of fire. Water should be used to keep fire-exposed containers cool.

**Special Remarks on Fire and Explosion Hazards:**



Steel products do not present fire or explosion hazards under normal conditions.

## Section 6: Accidental release measures

**General:** Use proper personal protective equipment as indicated in Section 8.

**Environmental precautions:**

Not applicable.

**Methods and material for containment and cleaning up:**

Sweep or vacuum up material for disposal or recovery.

## Section 7: Handling and storage

**Precautions:** Use proper personal protective equipment as indicated in Section 8.

**Handling:**

No unusual handling or storage requirements. Should be in a well-ventilated area.

**Storage:**

Store in cool area. Keep away from incompatible materials.

## Section 8 : Exposure controls/personal protection

### Engineering Controls

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

### Exposure Limits

Not available.

### Personal Protective Equipment

**Eye and face protection:** Not required at normal conditions.

**Skin protection:** Not required at normal conditions.

**Body Protection:** Lab coat.

**Respiratory protection:** Not required in unconfined or well ventilated areas.

**Ventilation Protection:** Local exhaust.

### Personal Protection in Case of a Large Spill:

Splash goggles. Full suit. Respirator. Boots. Gloves. A self contained breathing apparatus should be used to avoid inhalation of the product. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.

### Ventilation:

Local exhaust: MSHA/NIOSH approved respirator. Appropriate respirator depends upon type and magnitude of exposure.



## Section 9: Physical and Chemical Properties

Appearance:	Solid
Colour:	Brassiness
Odour:	Odorless
pH:	Not available.
Melting point:	1350°C.
Boiling point:	2750°C.
Density:	7.25 g/cm <sup>3</sup>
Vapour pressure:	Not available.
Partition coefficient (n -octanol/water):	Not available.
Solubility(ies):	Insoluble in water.
Flash point:	Not available.
Auto-ignition temperature:	No information available.
Flammability:	Non-Flammability.
Explosive properties:	Not available.
Oxidizing properties:	No information available.
Viscosity:	Not available.

## Section 10: Stability and Reactivity

### Stability:

Stable under recommended storage conditions.

### Polymerization:

Will not occur.

### Dangerous Decomposition Products:

Not Available.

### Conditions to avoid:

Excess heat, incompatible materials.

### Incompatible materials:

Reacts with strong acids to form hydrogen gas. Do not store near strong oxidizers.

### Special Remarks on Reactivity:

Not available.

## Section 11: Toxicological information

*Please refers to Section 3 for hazards identification.*

### Routes of Entry:

Eye.

### Toxicity to Animals:



LD50: Not available.

LC50: Not available.

**Chronic Effects on Humans:**

Not available.

**Other Toxic Effects on Humans:**

Not available.

**Special Remarks on Toxicity to Animals:**

Not available.

**Special Remarks on Chronic Effects on Humans:**

Not available.

**Special Remarks on other Toxic Effects on Humans:**

Not available.

## Section 12: Ecological information

**Ecotoxicity Effects:**

Not available.

**BOD5 and COD:**

Not available.

**Bioaccumulation:**

Not available.

**Products of Biodegradation:**

Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.

**Toxicity of the Products of Biodegradation:**

Not available.

## Section 13: Disposal considerations

**General Information:**

Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. US EPA guidelines for the classification determination are listed in 40 CFR Parts 261.3. Additionally, waste generators must consult state and local hazardous waste regulations to ensure complete and accurate classification.

**Waste Disposal Methods:**

Dispose according to Federal, State, Provincial and Local regulations.

## Section 14: Transport information



Not a DOT controlled material (United States).

**Proper Shipping Name:** Not regulated.

**Hazard Class:** Not regulated.

**UN. NO.:** Not regulated.

**Packing Group:** Not regulated.

**IMDG EMS:** Not regulated.

## Section 15: Regulatory information

### European/International Regulations

This product is on the European Inventory of Existing Commercial Chemical Substances.

### European Labeling in Accordance with EC Directives

**Hazard Symbols:**

N/A

**Risk phrases:**

N/A

**Safety phrases:**

N/A

### HMIS (U.S.A.):

**Health Hazard:** 0

**Fire Hazard:** 0

**Reactivity:** 0

**Personal Protection:** E

### National Fire Protection Association(U.S.A.):

**Health:** 0

**Flammability:** 0

**Reactivity:** 0

**Specific Hazard:**

### Federal and State Regulations:

Not available.

### Canada–WHMIS:

Not controlled under WHMIS (Canada).

*For details regulations you should contact the appropriate agency in your country.*

## Section 16: Other information

### Revision Information





# Safety Data Sheet

**Version:** 1.0/EN  
**Product Name:** CARBON STEEL WELDING WIRE

**Revision Date:** Jul.31st, 2015  
**SDS No:** IDO150709MSDS

Date of the previous revision: Not applicable.

Date of this revision: JUL.31<sup>st</sup>, 2015.

Revision summary: The first new SDS

## Declare to reader

The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. This shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

\*\*\*\*\* **THE END OF SDS** \*\*\*\*\*

