

CHAMPION WELDING PRODUCTS -- STAINLESS STEEL BARE WELDING WIRE -- 3439-00-878-2145
===== Product Identification =====

Product ID:STAINLESS STEEL BARE WELDING WIRE
MSDS Date:01/01/1987
FSC:3439
NIIN:00-878-2145
MSDS Number: BTHVR
=== Responsible Party ===
Company Name:CHAMPION WELDING PRODUCTS
Address:7619 DETOUR AVE/SHOREWAY INDUSTRIAL PK
City:CLEVELAND
State:OH
ZIP:44103
Country:US
Info Phone Nu
m:216-431-9353
Emergency Phone Num:216-431-9353
CAGE:5Z721
=== Contractor Identification ===
Company Name:CHAMPION WELDING PRODUCTS
Address:7619 DETOUR AVE/SHOREWAY INDUSTRIAL PK
Box:City:CLEVELAND
State:OH
ZIP:44103
Country:US
Phone:216-431-9353
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===== Composition/Information on Ingredients =====

Ingred Name:CARBON BLACK OR ACTIVATED CARBON
CAS:7440-44-0
RTECS #:FF5250100
Fraction by Wt: .03-.45%
Other REC Limits:NONE RECOMMENDED
OSHA PEL:15 MG/M3 TDUST
ACGIH TLV:2

MG/M3 RDUST; 9394

Ingred Name:CHROMIUM (SARA III)

CAS:7440-47-3

RTECS #:GB4200000

Fraction by Wt: 25-28%

Other REC Limits:NONE RECOMMENDED

OSHA PEL:1 MG/M3

ACGIH TLV:0.5 MG/M3; 9394

EPA Rpt Qty:1 LB

DOT Rpt Qty:1 LB

Ingred Name:NICKEL (SARA III)

CAS:7440-02-0

RTECS #:QR5950000

Fraction by Wt: 20-22.5%

Other REC Limits:NONE RECOMMENDED

OSHA PEL:1 MG/M3

ACGIH TLV:1 MG/M3; 9394

Ingred Name:MOLYBDENUM COMPOUND

CAS:7439-98-7

Fraction by Wt: 0.75%

Other REC Limits:NONE RECOMMENDED

OSHA PEL:5 MG/

M3

ACGIH TLV:5 MG/M3

Ingred Name:MANGANESE (SARA III)

CAS:7439-96-5

RTECS #:OO9275000

Fraction by Wt: 1-2.5%

Other REC Limits:NONE RECOMMENDED

OSHA PEL:C 5 MG/M3

ACGIH TLV:5 MG/M3, DUST; 9394

Ingred Name:SILICON

CAS:7440-21-3

RTECS #:VW0400000

Fraction by Wt: .3-.65%

Other REC Limits:NONE RECOMMENDED

OSHA PEL:10 MG/M3 TDUST

ACGIH TLV:10 MG/M3 TDUST; 9394

Ingred Name:COPPER (SARA III)

CAS:7440-50-8

RTECS #:GL5325000

Fraction by Wt: .75%

Other REC Limits:NONE RECOMMENDED

OSHA PEL:0.1MG/M3 FUM

E/1 DUST
ACGIH TLV:0.2 MG/M3 FUME; 9394
EPA Rpt Qty:5000 LBS
DOT Rpt Qty:5000 LBS

Ingred Name:IRON
CAS:6596-57-0
Fraction by Wt: BALANCE
Other REC Limits:NONE RECOMMENDED

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===== Hazards Identification =====

Routes of Entry: Inhalation:YES Skin:YES Ingestion:NO
Reports of Carcinogenicity:NTP:NO IARC:NO
Health Hazards Acute and Chronic:SHORT-TERM EXPOSURE TO WELDING FUMES
MAY RESULT IN DISCOMFORT SUCH AS DIZZINESS, NAUSEA OR DRYNESS OR
IRRITATION OF
THROAT. LONG-TERM EXPOSURE TO WELDING FUMES , GASES
OR DUST MAY CONTRIBUTE TO PULMONARY IRRITATION OR PNEUMOCONIOSIS.
LONG TERM EXPOSURE TO IRON FUMES MAY PRODUCE SIDEROSIS.
Explanation of Carcinogenicity:THIS PRODUCT IS SUSPECTED OF CONTAINING
AN OSHA REGULATED CARCINOGEN NOT SPECIFICALLY IDENTIFIED BY THE
MANUFACTURER.
Effects of Overexposure:NONE SPECIFIED BY MANUFACTURER.
Medical Cond Aggravated by Exposure:INDIVIDUALS WITH IMPAIRED PULMONARY
FUNCTION OR ILLNESS MAY HAVE
SYMPTOMS EXACERBATED BY IRRITANTS
CONTAINED IN WELDING FUMES.

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===== First Aid Measures =====

First Aid:REMOVE FROM DUST OR FUME EXPOSURE. IF BREATHING HAS STOPPED
PERFORM ARTIFICIAL RESPIRATION. SUMMON MEDICAL AID IMMEDIATELY.

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===== Fire Fighting Measures =====

Flash Point:NONE
Extinguishing Media:THIS ALLOY IS NONCOMBUSTIBLE. USE EXTINGUISHING
MEDIA APPROPRIATE TO THE SURROUNDING FIRE.
Fire Fighting Procedure

res:IF THIS MATERIAL IS REDUCED TO POWDER FORM,
CAUTION MUST BE USED TO PREVENT FIRE OR EXPLOSION. TO EXTINGUISH
METAL POWDER FIRE USE DRY SAND, DRY GRANITE, ETC.

Unusual Fire/Explosion Hazard:NO UNUSUAL FIRE OR EXPOSITION HAZARD ARE
ASSOCIATED WITH THIS MATERIAL.

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===== Handling and Storage =====

Handling and Storage Precautions:READ AND UNDERSTAND THE MANUFACTURER'S
INSTRUCTIONS AND THE PRECAUTIONARY LABEL ON THE PRODUCT.

Other Precautions:SEE

AMERICAN NATIONAL STANDARD Z49.1, "SAFETY IN
WELDING AND CUTTING" PUBLISHED BY THE AMERICAN WELDING SOCIETY.

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===== Exposure Controls/Personal Protection =====

Respiratory Protection:USE RESPIRABLE FUME RESPIRATOR OR AIR SUPPLIED
RESPIRATOR WHEN WELDING IN CONFINED SPACE OR GENERAL WORK AREA WHEN
LOCAL EXHAUST OR VENTILATION DOES NOT KEEP EXPOSURES BELOW PEL, TLV
OR STEL.

Ventilation:USE ENOUGH VENTILATION, LOCAL EXHAUST AT THE ARC OR BOTH TO
KEEP FUMES AND

GASES BELOW PEL'S, TLV'S OR STEL'S.

Protective Gloves:WELDER GLOVES.

Eye Protection:WELDER'S HELMET OR USE FACE SHIELDS.

Other Protective Equipment:WEAR HAND, HEAD, & BODY PROTECTION. INCLUDES
ARM PROTECTION, APRONS, HATS, SHOULDER PROTECTION, DARK CLOTHING.

Work Hygienic Practices:TRAIN THE WELDER NOT TO PERMIT LIVE PARTS OR
ELECTRODES TO CONTACT SKIN...OR CLOTHING OR GLOVES IF THEY ARE WET.

Supplemental Safety and Health

TRAIN THE WELDER TO KEEP HIS HEAD OUT OF THE FUMES. INSULATE FROM
WORK
AND GROUND.

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===== Physical/Chemical Properties =====

HCC:N1

Appearance and Odor:SOLID WIRE OR ROD, GREY TO SILVER IN COLOR.

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===== Stability and Reactivity Data =====

Stability Indicator/Materials to Avoid:YES

AVOID CONTACT WITH MINERAL ACIDS & OXIDIZING AGENTS WHICH MAY GENERATE
HYDROGEN GAS.

Stability Condition to Avoid:NONE SPECIFIED BY MANUFACTURER.

Hazardous Decomposition Products:VARIOUS ELEMENT METALS AND METAL
OXI

DES MAY BE GENERATED FROM MELTING OR DROSS HANDLING OPERATIONS.

===== Disposal Considerations =====

Waste Disposal Methods: PREVENT WASTE FROM CONTAMINATING SURROUNDING ENVIRONMENT. DISCARD ANY PRODUCT, RESIDUE, DISPOSABLE CONTAINER, OR LINER IN AN ENVIRONMENTALLY ACCEPTABLE MANNER, IN FULL COMPLIANCE WITH FEDERAL, STATE AND LOCAL REGULATIONS.

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