

AMERICAN FILLER METALS COMPANY -- WELDING ROD

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MSDS Safety Information
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FSC: 3439
NIIN: 00-892-4397
MSDS Date: 05/26/1998
MSDS Num: CHQKF
Product ID: WELDING ROD
MFN: 01
Responsible Party
Cage: AMFIL
Name: AMERICAN FILLER METALS COMPANY
Box: 12748
City: HOUSTON TX 77217-2748
Info Phone Number: 713-649-8785/800-394-4550
Emergency Phone Number: 713-649-8785/800-394-4550
Review Ind: Y
Published: Y

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Contractor Summary
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Cage: AMFIL
Name: AMERICAN FILLER METALS COMPANY
Address: UNKNOWN
Box: 12748
City: HOUSTON TX 77217-2748
Phone: 713-649-8785/800-394-4550

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Item Description Information
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Item Manager: S9G
Item Name: ROD, WELDING
Unit of Issue: LB
UI Container Qty: 1 POUND
Type of Container: NOT GIVEN

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Ingredients
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Cas: 7429-90-5
RTECS #: BD0330000
Name: ALUMINUM (SARA 313)
Other REC Limits: NONE RECOMMENDED
OSHA PEL: 15 MG/M3 DUST
ACGIH TLV: 10 MG/M3 DUST; 9596

Cas: 7440-41-7
RTECS #: DS1750000
Name: BERYLLIUM (SARA 313) (CERCLA)
Other REC Limits: NONE RECOMMENDED
OSHA PEL: 0.002 MG/M3, Z-2
ACGIH TLV: .002 MG/M3, A2; 9596
EPA Rpt Qty: 10 LBS
DOT Rpt Qty: 10 LBS

Cas: 7440-47-3
RTECS #: GB4200000

Name: CHROMIUM (SARA 313) (CERCLA)
Other REC Limits: NONE RECOMMENDED
OSHA PEL: 1 MG/M3
ACGIH TLV: 0.5 MG/M3; 9596
EPA Rpt Qty: 1 LB
DOT Rpt Qty: 1 LB

Cas: 7440-48-4
RTECS #: GF8750000
Name: COBALT (SARA 313)
Other REC Limits: NONE RECOMMENDED
OSHA PEL: 0.1 MG/M3
ACGIH TLV: 0.02 MG/M3; A3; 9596

Cas: 7440-50-8
RTECS #: GL5325000
Name: COPPER (SARA 313) (CERCLA)
Other REC Limits: NONE RECOMMENDED
OSHA PEL: 0.1MG/M3 FUME/1 DUST
ACGIH TLV: 0.2 MG/M3 FUME; 9596
EPA Rpt Qty: 5000 LBS
DOT Rpt Qty: 5000 LBS

Cas: 7439-89-6
RTECS #: NO4565500
Name: IRON
Other REC Limits: NONE RECOMMENDED
OSHA PEL: NOT ESTABLISHED
ACGIH TLV: NOT ESTABLISHED

Cas: 7439-96-5
RTECS #: OO9275000
Name: MANGANESE (SARA 313)
Other REC Limits: NONE RECOMMENDED
OSHA PEL: C, 5 MG/M3 (FUME)
ACGIH TLV: 0.2 MG/M3; 9596

Cas: 7439-98-7
RTECS #: QA4680000
Name: MOLYBDENUM
Other REC Limits: NONE RECOMMENDED
OSHA PEL: 10 PPM.
ACGIH TLV: 10 PPM.

Cas: 7440-02-0
RTECS #: QR5950000
Name: NICKEL (SARA 313) (CERCLA)
Other REC Limits: NONE RECOMMENDED
OSHA PEL: 1 MG/M3
ACGIH TLV: 1 MG/M3; 9596
EPA Rpt Qty: 100 LBS
DOT Rpt Qty: 100 LBS

Cas: 7440-21-3
RTECS #: VW0400000
Name: SILICON
Other REC Limits: NONE RECOMMENDED

OSHA PEL: 15 MG/M3 TDUST
ACGIH TLV: 10 MG/M3 TDUST; 9596

Cas: 7440-32-6
RTECS #: XR1700000
Name: TITANIUM,
Other REC Limits: NONE RECOMMENDED
OSHA PEL: NOT ESTABLISHED
ACGIH TLV: NOT ESTABLISHED

Cas: 7440-33-7
RTECS #: YO7175000
Name: TUNGSTEN, AS W, SOLUBLE COMPOUNDS.
Other REC Limits: NONE RECOMMENDED
OSHA PEL: NOE ESTABLISHED
ACGIH TLV: 1 MG/M3/3 STEL; 9596

Cas: 1314-13-2
RTECS #: ZH4810000
Name: ZINC OXIDE (SARA 313) (CERCLA)
Other REC Limits: NONE RECOMMENDED
OSHA PEL: 15 MG/M3 TDUST
ACGIH TLV: 10 MG/M3 TDUST; 9596
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Health Hazards Data
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LD50 LC50 Mixture: NOT GIVEN FOR PRODUCT AS A WHOLE
Route Of Entry Inds - Inhalation: NO
Skin: NO
Ingestion: NO
Carcinogenicity Inds - NTP: NO
IARC: NO
OSHA: NO

Effects of Exposure: PRODUCT IS NONHAZARDOUS AS SHIPPED/STORED. HAZARD OCCURS WHEN USED IN WELDING PROCESS. OVEREXPOSURE TO WELDING FUMES MAY RESULT IN DISCOMFORT, EG, DIZZINESS, NAUSEA, DRYNESS OR IRRITATION OF NOSE, THROAT OR EYE, TIGHTNESS OF CHEST, FEVER AN D ALLERGIC REACTIONS. CHRONIC OVEREXPOSURE MAY CAUSE SIDEROSIS, PULMONARY DAMAGE

Explanation Of Carcinogenicity: THIS COMPOUND CONTAINS NO INGREDIENTS AT CONCENTRATIONS OF 0.1% OR GREATER THAT ARE CARCINOGENS OR SUSPECT CARCINOGENS.

Signs And Symptions Of Overexposure: DIZZINESS, NAUSEA, DRYNESS/IRRITATION OF NOSE/THROAT/EYES, TIGHTNESS OF CHEST, FEVER, ALLERGIC REACTION, IRON DEPOSITS IN LUNGS, DECREASED PULMONARY FUNCTION. FUMES AND GASES CAN BE DANGEROUS TO YOUR HEALTH. ARC RAYS CAN INJURE EYES OR BURN SKIN. ELECTRIC SHOCK CAN INJURE OR KILL.

Medical Cond Aggravated By Exposure: NONE SPECIFIED BY MANUFACTURER.

First Aid: EYES: FLUSH WITH WATER FOR 15 MINUTES WHILE HOLDING EYELIDS OPEN. GET MEDICAL ATTENTION. SKIN: REMOVE CONTAMINATED CLOTHING. WASH WITH SOAP AND WATER. IF IRRITATION PERSIST, GET MEDICAL ATTENTION. INHALATION: REMOVE TO FRESH AIR. RESTORE BR EATHING. GET MEDICAL ATTENTION. INGESTION: CALL PHYSICIAN.
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Handling and Disposal
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Spill Release Procedures: COLLECT FOR REUSE OR DISPOSAL.
Neutralizing Agent: NONE SPECIFIED BY MANUFACTURER.

Waste Disposal Methods: PREVENT WASTE FROM CONTAMINATING SURROUNDING ENVIRONMENT. DISCARD ANY PRODUCT, RESIDUE, DISPOSAL CONTAINER OR LINER IN ACCORDANCE WITH ALL FEDERAL, STATE AND LOCAL REGULATIONS.

Handling And Storage Precautions: READ AND UNDERSTAND MANUFACTURER'S INSTRUCTIONS AND PRECAUTIONARY LABEL ON PRODUCT. SEE ANSI Z49.1 FOR MORE DETAILS.

Other Precautions: TRAIN WELDER TO KEEP HIS HEAD OUT OF FUMES.

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Fire and Explosion Hazard Information
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Flash Point Text: NONFLAMMABLE

Lower Limits: NOT GIVEN

Upper Limits: NOT GIVEN

Extinguishing Media: NONFLAMMABLE. USE EXTINGUISHING MEDIA SUITABLE FOR SURROUNDING FIRE.

Fire Fighting Procedures: NONFLAMMABLE. USE STANDARD FIREFIGHTING PROCEDURES FOR SURROUNDING MATERIALS IN THE FIRE.

Unusual Fire/Explosion Hazard: WELDING ARC AND SPARKS CAN IGNITE COMBUSTIBLE AND FLAMMABLES. REFER TO AMERICAN NATIONAL STANDARD Z49.1 FOR FIRE PREVENTION DURING WELDING.

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Control Measures
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Respiratory Protection: USE NIOSH APPROVED RESPIRATOR OR AIR SUPPLIED RESPIRATOR WHEN WELDING IN CONFINED SPACE OR WHERE LOCAL EXHAUST DOES NOT KEEP EXPOSURE BELOW TLV.

Ventilation: EXHAUST VENTILATION SUFFICIENT TO KEEP AIRBORNE CONCENTRATIONS BELOW RESPECTIVE TLV'S.

Protective Gloves: RECOMMENDED WHEN WELDING.

Eye Protection: WELDING LENS SHADE

Other Protective Equipment: WEAR HAND, HEAD AND BODY PROTECTION WHICH HELP TO PREVENT INJURY FROM RADIATION, SPARKS AND ELECTRICAL SHOCKS.

Work Hygienic Practices: WASH HANDS THOROUGHLY WITH SOAP AND WATER BEFORE EATING, DRINKING, SMOKING OR USING TOILET FACILITIES.

Supplemental Safety and Health: TRAIN THE WELDER NOT TO TOUCH LIVE ELECTRICAL PARTS AND TO INSULATE HIMSELF FROM WORK AND GROUND.

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Physical/Chemical Properties
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HCC: N1

B.P. Text: NOT GIVEN

M.P/F.P Text: NOT GIVEN

Decomp Text: NOT GIVEN

Vapor Pres: NOT GIVEN

Vapor Density: NOT GIVEN

Spec Gravity: NOT GIVEN

Viscosity: NOT GIVEN

Evaporation Rate & Reference: NOT GIVEN

Solubility in Water: NOT GIVEN

Appearance and Odor: GRAY ROD, NO ODOR

Percent Volatiles by Volume: NIL

Corrosion Rate: UNKNOWN

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Reactivity Data
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Stability Indicator: YES

Stability Condition To Avoid: NONREACTIVE AS SHIPPED.

Materials To Avoid: NONE SPECIFIED BY MANUFACTURER.
Hazardous Decomposition Products: NONE SPECIFIED BY MANUFACTURER.
Hazardous Polymerization Indicator: NO
Conditions To Avoid Polymerization: NONE. WILL NOT OCCUR.

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Toxicological Information
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Ecological Information
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MSDS Transport Information
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Regulatory Information
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Other Information
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Transportation Information
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Responsible Party Cage: AMFIL
Trans ID NO: 90462
Product ID: WELDING ROD
MSDS Prepared Date: 05/26/1998
Review Date: 08/20/1998
MFN: 1
Net Unit Weight: 1 LB
Multiple KIT Number: 0
Review IND: Y
Unit Of Issue: LB
Container QTY: 1 POUND
Type Of Container: NOT GIVEN

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Detail DOT Information
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DOT PSN Code: ZZZ
DOT Proper Shipping Name: NOT REGULATED BY THIS MODE OF TRANSPORTATION
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Detail IMO Information
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IMO PSN Code: ZZZ
IMO Proper Shipping Name: NOT REGULATED FOR THIS MODE OF TRANSPORTATION
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Detail IATA Information
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IATA PSN Code: ZZZ
IATA Proper Shipping Name: NOT REGULATED BY THIS MODE OF TRANSPORTATION
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Detail AFI Information
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AFI PSN Code: ZZZ
AFI Proper Shipping Name: NOT REGULATED BY THIS MODE OF TRANSPORTATION
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=====
HAZCOM Label
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Product ID: WELDING ROD
Cage: AMFIL
Assigned IND: Y
Company Name: AMERICAN FILLER METALS COMPANY
Street: UNKNOWN
PO Box: 12748
City: HOUSTON TX
Zipcode: 77217-2748
Health Emergency Phone: 713-649-8785/800-394-4550
Label Required IND: Y
Date Of Label Review: 08/20/1998
Status Code: C
MFG Label NO: NONE
Label Date: 08/20/1998
Origination Code: F
Chronic Hazard IND: Y
Signal Word: CAUTION
Health Hazard: None
Contact Hazard: Slight
Fire Hazard: None
Reactivity Hazard: None
Hazard And Precautions: PRODUCT NOT HAZARDOUS AS SHIPPED/STORED. HAZARD OCCURS WHEN USED IN WELDING PROCESS. READ AND UNDERSTAND MANUFACTURER'S INSTRUCTIONS AND PRECAUTIONARY LABEL ON PRODUCT. SEE ANSI Z49.1 FOR MORE DETAILS. FIRST AID: EYES: FLUSH WITH WATER FOR 15 MINUTES WHILE HOLDING EYELIDS OPEN. GET MEDICAL ATTENTION. SKIN: REMOVE CONTAMINATED CLOTHING. WASH WITH SOAP AND WATER. IF IRRITATION PERSIST, GET MEDICAL ATTENTION. INHALATION: REMOVE TO FRESH AIR. RESTORE BREATHING. GET MEDICAL ATTENT ION. INGESTION: CALL PHYSICIAN.

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