

TRI-MARK INC -- GAS SHIELDED LOW ALLOY FLUX CORED ARC WELD EL

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MSDS Safety Information

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FSC: 3439
 NIIN: 01-395-2979
 MSDS Date: 01/01/1995
 MSDS Num: CCMDH
 Product ID: GAS SHIELDED LOW ALLOY FLUX CORED ARC WELD ELECTRODE, 811N2
 MFN: 01
 Responsible Party
 Cage: 1X069
 Name: TRI-MARK INC
 Address: 8585 INDUSTRY PARK DRIVE
 City: PIQUA OH 45356-9511
 Info Phone Number: 513-773-2010
 Emergency Phone Number: 513-773-2010
 Review Ind: Y
 Published: Y

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Contractor Summary

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Cage: 1X069
 Name: TRI-MARK INC
 Address: 8585 INDUSTRY PARK DRIVE
 City: PIQUA OH 45356-9511
 Phone: 800-543-8934

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Item Description Information

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Item Manager: S9G
 Item Name: ELECTRODE, WELDING
 Specification Number: AWS A5.29/AWS A5.20
 Unit of Issue: SL
 Quantitative Expression: 00000000050LB
 UI Container Qty: 0
 Type of Container: UNKNOWN

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Ingredients

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Cas: 7439-89-6
 RTECS #: NO4565500
 Name: IRON
 % Wt: 80-95
 Other REC Limits: NONE RECOMMENDED
 OSHA PEL: NOT ESTABLISHED
 ACGIH TLV: NOT ESTABLISHED

Cas: 7439-96-5
 RTECS #: OO9275000
 Name: MANGANESE (SARA 313)
 % Wt: <4
 Other REC Limits: NONE RECOMMENDED
 OSHA PEL: C, 5 MG/M3 (FUME)
 ACGIH TLV: 0.2 MG/M3; 9596

Cas: 7440-02-0
 RTECS #: QR5950000
 Name: NICKEL (SARA 313) (CERCLA)
 % Wt: <4

Other REC Limits: NONE RECOMMENDED
OSHA PEL: 1 MG/M3
ACGIH TLV: 1 MG/M3; 9596

Cas: 7440-47-3
RTECS #: GB4200000
Name: CHROMIUM (SARA 313) (CERCLA)
% Wt: <3
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: 13463-67-7
RTECS #: XR2275000
Name: TITANIUM DIOXIDE
% Wt: <10
Other REC Limits: NONE RECOMMENDED
OSHA PEL: 15 MG/M3 TDUST
ACGIH TLV: 10 MG/M3 TDUST; 9596

Cas: 7440-21-3
RTECS #: VW0400000
Name: SILICON
% Wt: <3
Other REC Limits: NONE RECOMMENDED
OSHA PEL: 15 MG/M3 TDUST
ACGIH TLV: 10 MG/M3 TDUST; 9596

Cas: 14542-23-5
Name: FLUORSPAR
% Wt: <5
Other REC Limits: NONE RECOMMENDED
OSHA PEL: NOT ESTABLISHED
ACGIH TLV: NOT ESTABLISHED

Cas: 7439-98-7
RTECS #: QA4680000
Name: MOLYBDENUM
% Wt: <2
Other REC Limits: NONE RECOMMENDED
OSHA PEL: 10 PPM.
ACGIH TLV: 10 PPM.

Cas: 7440-50-8
RTECS #: GL5325000
Name: COPPER (SARA 313) (CERCLA)
% Wt: <1
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

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Health Hazards Data

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LD50 LC50 Mixture: NONE SPECIFIED BY MANUFACTURER.
Route Of Entry Inds - Inhalation: YES
Skin: YES

Ingestion: NO

Carcinogenicity Inds - NTP: YES

IARC: YES

OSHA: YES

Effects of Exposure: ARC RAYS CAN INJURE EYE/BURN SKIN.ELECTRIC SHOCK CAN KILL.FUMES/GASES CAN BE DANGEROUS TO HEALTH.WELD

FUME:DISCOMFT,DIZZ,NAU,DRYNESS,IRRIT NOSE/THROAT/EYES.IRON:TREAT AS NUISANCE DUST/FUME.MN:METAL FU MES FEVER,CHILLS,FEVER,UPSET STOMACH,VOMIT,IRRIT THROAT,BODY ACHE.NI/NI CMPD:METALLIC TASTE,NAU,CHEST TIGHT,(SIGN/SYM)

Explanation Of Carcinogenicity: PER MSDS:NI,CR POSSIBLE CARCINGENS UNDER OSHA.SILICA PROBABLE CARCINOGEN.WELDING FUMES POSSIBLE CARCINOGEN UNDER OSHA.

Signs And Symptions Of Overexposure: HEALTH:FEVER,ALLERGIC RX.CR:IRRIT RESP SYS,LUNG DMG,ASTHMA-LIKE SYMPT.,SEVERE INJURY,DEATH,ULCERS,BURN EYES,ALLERGIC RXS.CU:METAL FUMES FEVER.SILICA/MO/TITANIUM DIOXIDE:TREAT AS NUISANCE DUST/FUME.

Medical Cond Aggravated By Exposure: NONE SPECIFIED BY MANUFACTURER.

First Aid: CALL FOR MEDICAL AID.EMPLOY FIRST AID TECHNIQUES/RECOMMENDED BY AMERICAL RED CROSE. EYE/SKIN:IF IRRIT OR RASH BUMPS DEVELOP AFT EXPOSURE CONSULT PHYSICIAN.

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Handling and Disposal
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Spill Release Procedures: NONE SPECIFIED BY MANUFACTURER.

Neutralizing Agent: NONE SPECIFIED BY MANUFACTURER.

Waste Disposal Methods: PREVENT WASTE FROM ENTERING SURROUNDING ENVIRO.DISCARD ANY PRODUCE RESIDUE,DISPO CNTNR OR LINER IN ENVIRONMENTALLY ACCEPTABLE MANNER IN FULL COMPLIANCE W/FED/STATE/LOC REGS.

Handling And Storage Precautions: ADDN INTO REFER:ANSI Z49.1,AMER WELD SOC,POB351040,MIAMI,FL33135;OSHA 29CFR 1910,US DEPT OF LABOR,WASHINGTON,DC 20210

Other Precautions: NONE SPECIFIED BY MANUFACTURER.

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Fire and Explosion Hazard Information
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Flash Point Text: NON-FLAMMBLE

Extinguishing Media: NONE SPECIFIED BY MANUFACTURER.

Fire Fighting Procedures: NONE SPECIFIED BY MANUFACTURER.

Unusual Fire/Explosion Hazard: NON-FLAMMABLE. WELDING ARC & SPARKS CAN IGNITE COMBUSTIBLES.

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Control Measures
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Respiratory Protection: USE NIOSH APPROVED OR EQUIVALENT FUME RESP OR AIR SUPPLIED RESP WHEN WELDING OR IN CONFINED SPACEW OR WHERE LOCAL EXHAUST OR VENTILATION DOES NOT KEEP EXPO BELOW TLV.

Ventilation: ALWAYS USE EXHAUST VENTILATION.

Protective Gloves: HAND PROTECTION.

Eye Protection: FACESHIELD W/FILT-BEGIN #14 ADJUST.

Other Protective Equipment: HELMET,PROVIDE SCREEN,FLASH GOGGLES.BODY/HEAD PROTECTION FROM RADIATION/SPARKS/ELECTRICAL SHOCK.PROTECTORS,APRONS.

Work Hygienic Practices: USE INDUSTRIAL HYGIENE MONITORING ATMOSPHER.

Supplemental Safety and Health: DECOMPO PROD:ADDN COAT ON METAL,#OF WELDERS,VOL OF WORKAREA,QUAL/AMT OF VENTI,HEAD POSITION,CONTAM IN ATM.INCLUDES VOLATILIZ/RX &/OR OXIDAT OF MATL IN INGREGS,METALS OXIDES,CHROMATES,FLUORIDES,COMPLEX METALLICS.GAS RX PROD:COMPLEX OXIDES OF FE,MG,SI,TI,FLUORIDES,CR,NI.

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Physical/Chemical Properties
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HCC: N1

B.P. Text: NA
M.P/F.P Text: NA
Decomp Text: NA
Vapor Pres: NA
Vapor Density: NA
Spec Gravity: NA
PH: NA
Viscosity: NA
Evaporation Rate & Reference: NA
Solubility in Water: NA
Appearance and Odor: NONE SPECIFIED BY MANUFACTURER.
Percent Volatiles by Volume: NA
Corrosion Rate: NA

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Reactivity Data
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Stability Condition To Avoid: NONE SPECIFIED BY MANUFACTURER.
Materials To Avoid: NONE SPECIFIED BY MANUFACTURER.
Hazardous Decomposition Products: WELD FUMES/GAS CAN'T BE CLASSIFIED
SIMPLY.COMPO/QUAN DEPEND ON METAL WELD/PROCEDURES/PROCESSES/ELECGTRODE
USED, (SUPPLE)
Conditions To Avoid Polymerization: NONE SPECIFIED BY MANUFACTURER.

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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: 1X069
Trans ID NO: 133540
Product ID: GAS SHIELDED LOW ALLOY FLUX CORED ARC WELD ELECTRODE, 811N2
MSDS Prepared Date: 01/01/1995
Review Date: 01/22/1997
MFN: 1
Net Unit Weight: 50 LBS
Multiple KIT Number: 0
Review IND: Y
Unit Of Issue: SL
Container QTY: 0
Type Of Container: UNKNOWN

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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: GAS SHIELDED LOW ALLOY FLUX CORED ARC WELD ELECTRODE,811N2

Cage: 1X069

Company Name: TRI-MARK INC

Street: 8585 INDUSTRY PARK DRIVE

City: PIQUA OH

Zipcode: 45356-9511

Health Emergency Phone: 513-773-2010

Date Of Label Review: 01/22/1997

Status Code: C

Label Date: 01/22/1997

Origination Code: F

Chronic Hazard IND: Y

Eye Protection IND: YES

Skin Protection IND: YES

Signal Word: CAUTION

Respiratory Protection IND: YES

Health Hazard: Slight

Contact Hazard: Slight

Fire Hazard: None

Reactivity Hazard: None

Hazard And Precautions: ARC RAYS INJURE EYE/BURN SKIN.ELECTRIC SHOCK CAN
 KILL.FUMES/GASES DANGEROUS TO HEALTH.WELD FUME:DISCOMFT,DIZZ,NAU,DRY,IRRIT
 NOSE/THROAT/EYES.IRON/SI/MO/TITANIUM DIOXIDE:TREAT AS NUISANCE DUST/FUME.MN:
 METAL FUMES FEVER,CHILLS,FEVER,UPSET STOMACH,VOMIT,IRRIT THROAT,BODY
 ACHE.NI/NI CMPD:METALLIC TASTE,NAU,CHEST TIGHT,FEVER,ALLERGIC RX.CR:IRRIT
 RESP SYS,LUNG DMG,ASTHMA-LIKE SYP,SEVERE INJURY,DEATH,ULC ERS,BURN
 EYES,ALLERGIC RX.CU:METAL FUMES FEVER.TARGET ORGANS:EYE/SKIN/RESP
 TRACT/CNS.1ST AID:CALL FOR MED AID.EMPLOY 1ST AID TECHNIQUES/RECOMMENDED BY
 AMERICAN RED CROSS.EYE/SKIN:IF IRRIT/RASH BUMPS DEV ELOP AFT EXPO SE DR.

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