

MARTIN BOB CO -- SOLID METAL SHAPED WIRE ALLOY A286 -- 3439-01-097-2901

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Product Identification
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Product ID:SOLID METAL SHAPED WIRE ALLOY A286

MSDS Date:08/02/1993

FSC:3439

NIIN:01-097-2901

Status Code:A

MSDS Number: CKGPX

=== Responsible Party ===

Company Name:MARTIN BOB CO

Address:2209 N SEAMAN AVE

City:SOUTH EL MONTE

State:CA

ZIP:91733-2630

Country:US

Info Phone Num:213-686-2220

Emer

gency Phone Num:213-686-2220

CAGE:6K906

=== Contractor Identification ===

Company Name:EDSON TOOL CO OF LONG ISLAND INC, DBA EDSON TOOLS INC

Address:28 OTIS ST UNIT 2B

Box:UNKNOW

City:WEST BABYLON

State:NY

ZIP:11704-1406

Country:US

Phone:516-491-9266

Contract Num:SP0490-97-M-AT63

CAGE:1P361

Company Name:MARTIN BOB CO

Address:2209 N SEAMAN AVE

Box:City:SOUTH EL MONTE

State:CA

ZIP:91733-2630

Country:US

Phone:213-686-2220

CAGE:6K906

Company Name:U S HARDWARE SUPPLY INC

Address:4675 METRIC DR

Box:Ci

ty:WINTER PARK
State:FL
ZIP:32792-6672
Country:US
Phone:407-657-1551
CAGE:41891

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Composition/Information on Ingredients
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Ingred Name:MANGANESE (SARA 313)
CAS:7439-96-5
RTECS #:OO9275000
= Wt:2.
Other REC Limits:NONE RECOMMENDED
OSHA PEL:5.0 MG/M3 (FUME)
ACGIH TLV:5.0/1.0 MG/M3(FUME)

Ingred Name:ALUMINUM (SARA 313)
CAS:7429-90-5
RTECS #:BD0330000
= Wt:.35
Other REC Limits:NONE RECOMMENDED
OSHA PEL:NONE
ACGIH TLV:10 MG/M3

Ingred Name:CHROMIUM (SARA 313) (CERCLA)
CAS
:7440-47-3
RTECS #:GB4200000
= Wt:16.
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

Ingred Name:MOLYBDENUM
CAS:7439-98-7
RTECS #:QA4680000
= Wt:1.5
Other REC Limits:NONE RECOMMENDED
OSHA PEL:15 MG/M3
ACGIH TLV:10 MG/M3

Ingred Name:NICKEL (SARA 313) (CERCLA)
CAS:7440-02-0
RTECS #:QR5950000
= Wt:27.
Other REC Limits:NONE RECOMMENDED
OSHA PEL:1 MG/M3
ACGIH TLV:1 MG/M3; 9596

Ingred Name:SILICON
CAS:7440-21-3
RTECS #:VW0400000
= Wt:1

Other REC Limits:NONE RECOMMENDED
OSHA PEL:NONE
ACGIH TLV:10 MG/M3 TDUST; 9596

Ingred Name:TITANIUM,
CAS:7440-32-6
RTECS #:XR1700000
= Wt:2.35

Other REC Limits:NONE RECOMMENDED
OSHA PEL:15 MG/M3
ACGIH TLV:10 MG/M3

Ingred Name:VANADIUM (SARA 313)
CAS:7440-62-2
RTECS #:YW1355000
= Wt:.5

Other REC Limits:NONE RECOMMENDED
OSHA PEL:1.0/0.5 MG/M3
ACGIH TLV:0.05 MG/M3

Ingred Name:IRON
CAS:1309-37-1
RTECS #:NO7400000
Fraction by Wt: BALANCE
OSHA PEL:10 MG/M3
ACGIH TLV:5 MG/M3;2 PPM

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

LD50 LC50 Mixture:NOT GIVEN FOR PRODUCT AS A WHOLE

Routes of Entry: Inhalation:YES Skin:NO Ingestion:NO

Reports of Carcinogenicity:NTP:YES IARC:YES OSHA:YES

Health Hazards Acute and Chronic:PRODUCT IS SOLID METALS SHAPED AS WIRE
OF VARIOUS DIAMETERS AND FORMS. THIS PRODUCT IS NOT HAZARDOUS AS
SHIPPED AND STORED. HAZARD OCCURS WHEN MATERIAL IS USED IN WELDING
PROCESS IN WHICH FUMES, DUST , AND GASES ARE GENERATED. COMPOSIT
ION

AND QUANTITY OF BOTH DEPEND ON METAL BEING WELDED, PROCEDURES, AND
ELECTRODES USED. CONSTITUENTS OF FUMES ARE GENERALLY DIFFERENT FROM
INGREDIENTS LISTED AND MAY INCLUDE OXIDES OF METALS, CHROMATES,
FLUORIDES, AND COMPLEX METALLICS. GASES MAY INCLUDE CARBON
MONOXIDE, OZONE, AND OXIDES OF NITROGEN. CHLORINATED SOLVENTS MAY
BE DECOMPOSED BY ARC INTO TOXIC GASES SUCH AS PHOSGENE.

Explanation of Carcinogenicity:THIS PRODUCT CONTAINS CHROMIUM AND
NICKEL CONSIDERED POS

SIBLE CARCINOGENS UNDER OSHA.

Effects of Overexposure:SHORT TERM EXPOSURE: METALLIC TASTE, NAUSEA, TIGHTNESS OF CHEST, FEVER, IRRITATION OF EYES/NOSE/THROAT AND SKIN, LOSS OF CONSCIOUSNESS, DEATH DUE TOWELDING GASES OR LACK OF OXYGEN. LONG TERM EXPOSURE: MAY RESULT IN SKIN SENSITIZATION, NEUROLOGICAL DAMAGE, RESPIRATORY DISEASE SUCH AS BRONCHIAL ASTHMA, LUNG FIBROSIS, PNEUMOCONIOSIS. NICKEL AND CHROMIUM ARE CONSIDERED POSSIBLE CARCINOGENS.

Medical Cond Aggravated by Expo
sure:AGGRAVATION OF PREEXISTING
RESPIRATORY OR ALLERGIC CONDITIONS MAY OCCUR IN SOME WORKERS.

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

First Aid:REMOVE FROM EXPOSURE AND OBTAIN PROMPT MEDICAL ATTENTION. IF VICTIM IS UNCONSCIOUS, ADMINISTER OXYGEN. IF NOT BREATHING, RESUSCITATE IMMEDIATELY.

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

Flash Point:NONFLAMMABLE
Lower Limits:NOT GIVEN
Upper Limits:NOT GIVEN
Extinguishing Media:NONFLAMMABLE. USE EXTINGUISHING MEDIA SUITABLE FOR SURROUNDING FIRE.

Fire Fighting Procedures:WELDING ARC AND SPARKS CAN IGNITE COMBUSTIBLES. REFER TO ANSI Z49.1, SAFETY IN WELDING AND CUTTING, PUBLISHED BY THE AMERICAN WELDING SOCIETY FOR FIRE PREVENTION AND PROTECTION INFORMATION DURING THE USE OF WELDING AND ALLIED PROCEDURES.

Unusual Fire/Explosion Hazard:NONE SPECIFIED BY MANUFACTURER.

===== Accidental Release Measures =====

Spill Release Procedures:COLLECT FOR RECLAMATION/DISPOSAL.
Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

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

Handling and Storage Precautions:ELECTRICAL SHOCK CAN KILL. TRAIN THE WELDER NOT TO TOUCH LIVE ELECTRICAL PARTS AND TO INSULATE HIMSELF FROM WORK AND THE WORK BEING GROUNDED.
Other Precautions:READ AND UNDERSTAND THE MANUFACTURER'S INSTRUCTIONS AND PRECAUTIONARY LABEL ON THE PRODUCT. SEE ANSI Z49.1, SAFETY IN WELDING AND C

UTTING PUBLISHED BY THE AMERICAN WELDING SOCIETY, PO
BOX 351040, MIAMI, FL 33135 AND OSHA PUBLICATION 2206 (29 CFR
1910) FOR MORE DETAILS.

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

Respiratory Protection:USE RESPIRABLE FUME RESPIRATOR OR AIR SUPPLIED
RESPIRATOR WHEN WELDING IN CONFINED SPACE OR WHERE LOCAL EXHAUST OR
VENTILATION DOES NOT KEEP EXPOSURE BELOW TLV'S. USE ONLY NIOSH
APPROVED RESPIRATORS IN ACCORDANCE WITH 29 CFR 1910.134,
RESPIRA

TORY PROTECTION. TRAIN WELDERS IN THE USE OF RESPIRATORS.

Ventilation:USE ENOUGH VENTILATION , LOCAL EXHAUST AT THE ARC OR BOTH
TO KEEP THE FUMES AND GASES BELOW TLV'S IN BREATHING ZONE AND
GENERAL AREA. KEEP HEAD OUT OF FUMES.

Protective Gloves:WEAR WELDER'S GLOVES.

Eye Protection:WEAR HELMET OR USE FACE SHIELD WITH FILTER LENS SHADE
#10 OR DARKER.

Other Protective Equipment:PROVIDE PROTECTIVE SCREENS AND FLASH
GOGGLES, IF NECESSAR TO PROTECT OTHERS. WEAR HAND, HEAD AND BODY

PROTECTION TO PREVENT INJURY FROM RADIATION, SPARKS AND ELECTRICAL
SHOCK.

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

Supplemental Safety and Health

PROTECTIVE CLOTHING: WEAR HAND, HEAD, AND BODY PROTECTION WHICH HELPS
PREVENT INJURY FROM RADIATION, SPARKS, AND ELECTRICAL SHOCK. SEE
ANSI Z49.1. THIS INCLUDES WELDERS GLOVES AND A PROTECTIVE F

ACE S

SHIELD, AND MAY INCLUDE ARM PROTECTORS, APRON, HATS, SHOULDER
PROTECTION.

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

HCC:N1

Viscosity:NR

Appearance and Odor:PRODUCTS ARE SOLID METALS SHAPED AS WIRE OF VARIOUS
DIAMETERS AND FORMS.

Percent Volatiles by Volume:NIL

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

Stability Indicator/Materials to Avoid:YES
NONE SPECIFIED BY MANUFACTURER.

Stability Condition to Avoid:NONE SPECIFIED BY M

ANUFACTURER.

Hazardous Decomposition Products:WHEN WELDING: CARBON MONOXIDE, OZONE, OXIDES OF NITROGEN, OXIDES OF METALS, CHROMATES, FLUORIDES, COMPLEX METALLICS.

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

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

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