

HAYNES INTERNATIONAL INC SUB OF CABOT CORP -- H1072-1, WELDING ROD -- 3439-01-137-8524

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Product Identification
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Product ID:H1072-1, WELDING ROD

MSDS Date:05/01/1989

FSC:3439

NIIN:01-137-8524

MSDS Number: BNKSD

=== Responsible Party ===

Company Name:HAYNES INTERNATIONAL INC SUB OF CABOT CORP

Address:1020 W PARK AVE

Box:9013

City:KOKOMO

State:IN

ZIP:46902-9013

Country:US

Info Phone Num:31

7-456-6625

Emergency Phone Num:317-456-6894

CAGE:80357

=== Contractor Identification ===

Company Name:ASTROLITE ALLOYS DIV OF ASTRO METALLUGICAL

Address:709 VIA ALONDRA

Box:City:CAMARILLO

State:CA

ZIP:93010-8714

Country:US

Phone:805-484-3621

CAGE:2R602

Company Name:HAYNES INTERNATIONAL INC SUB OF CABOT CORP

Address:1020 W PARK AVE

Box:9013

City:KOKOMO

State:IN

ZIP:46904-9013

Country:US

Phone:318-263-2002;765-456-6614

CAGE:80357

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Composition/Information on Ingredients
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Ingred Name:NICKEL (SARA III)
CAS:7440-02-0
RTECS #:QR5950000
Fraction by Wt: 22% %
Other REC Limits:NONE SPECIFIED
OSHA PEL:1 MG/M3
ACGIH TLV:1 MG/M3; 9192

Ingred Name:COBALT (SARA III)
CAS:7440-48-4
RTECS #:GF8750000
Fraction by Wt: 39%
Other REC Limits:NONE SPECIFIED
OSHA PEL:0.1 MG/M3;AS CO
ACGIH TLV:0.05 MG/M3;DUST 9293

Ingred Name:CHROMIUM (SARA III)
CAS:7440-47-3
RTECS #:GB4200000
Fraction by Wt: 22% %
Other REC Limits:NONE SPECIFIED
OSHA PEL:1 MG/M3
ACGIH TLV:0.5 MG/M3; 9192
EPA Rpt
Qty:1 LB
DOT Rpt Qty:1 LB

Ingred Name:IRON OXIDE
CAS:1309-37-1
RTECS #:NO7400000
Fraction by Wt: 3.8% %
Other REC Limits:NONE SPECIFIED
OSHA PEL:10 MG/M3 (FE)
ACGIH TLV:5 MG/M3(FE),B2; 9293

Ingred Name:SILICON
CAS:7440-21-3
RTECS #:VW0400000
Fraction by Wt: 0.35%
Other REC Limits:NONE SPECIFIED
OSHA PEL:15 MG/M3 TDUST
ACGIH TLV:10 MG/M3 TDUST; 9293

Ingred Name:MANGANESE (SARA III)
CAS:7439-96-5
RTECS #:OO9275000
Fraction by Wt: 6%
Other REC Limits:NONE SPECIFIED
OSHA PEL:(C) 5 MG/M3 DUST
ACG

IH TLV:5 MG/M3 DUST 9293

Ingred Name:LANTHANUM

CAS:7439-91-0

Fraction by Wt: 0.07%

Other REC Limits:NONE SPECIFIED

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

LD50 LC50 Mixture:NOT PROVIDED BY MANUFACTURER.

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

Reports of Carcinogenicity:NTP:YES IARC:YES OSHA:NO

Health Hazards Acute and Chronic:ALLERGIC REACTIONS, PULMONARY IRRITANT, METAL FUME FEVER, CENTRAL NERVOUS SYSTEM EFFECTS, LUNG FIBROSIS, RESPIRA

TORY HYPERSENSITIVITY, POSSIBLE SIDEROSIS IF EXPOSURES ARE EXCESSIVE AND LONG TERM, MAY CAUSE CANCER.

Explanation of Carcinogenicity:NTP LISTS CHROMIUM AND CERTAIN CHROMIUM COMPOUNDS AS KNOWN CARCINOGENS AND LISTS NICKEL AND CERTAIN NICKEL COMPOUNDS AS ANTICIPATED

Effects of Overexposure:METALLIC TASTE, NAUSEA, TIGHTNESS IN CHEST, COUGH, DERMATITIS, MUSCLE ACHE, DRY THROAT, LOWER BACK PAIN, VOMITING, FATIGUE, HEADACHE, MUSCULAR WEAKNESS, TREMORS, SYMPTOMS SIMILAR TO PARKINSON'S DISE

AS E.

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

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

First Aid:IN THE EVENT OF OVEREXPOSURE, REMOVE VICTIM FROM THE WELDING AREA, ADMINISTER FIRST AID AND OBTAIN PROMPT MEDICAL ATTENTION. IF THE VICTIM IS UNCONSCIOUS, ADMINISTER OXYGEN. IF THE VICTIM IS NOT BREATHING, BEGIN RESUSCITATION IMMEDIATELY. EMPLOY THE FIRST AID TECHNIQUES RECOMMENDED BY THE AMERICAN RED CROSS.

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

Extinguishing Media:NONE SPECIFIED BY MANUFACTURER.

Fire Fighting Procedures:AS SHIPPED PRODUCT IS NONFLAMMABLE AND NON-EXPLOSIVE. HOWEVER, WELDING ARCS AND SPARKS CAN IGNITE COMBUSTIBLES, AND CAN INITIATE FIRES AND EXPLOSIONS.

Unusual Fire/Explosion Hazard:BE SURE YOU READ AND UNDERSTAND ANSI STANDARD Z49.1 "SAFETY IN WELDING AND CUTTING" & NFPA STANDARD 51B FOR FIRE P

REVENTION BEFORE USING PRODUCT.

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

Spill Release Procedures:NONE PROVIDED BY MANUFACTURER.

Neutralizing Agent:NONE PROVIDED BY MANUFACTURER.

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

Handling and Storage Precautions:NONE PROVIDED BY MANUFACTURER

Other Precautions:REMEMBER-THE SHIELDING GASES USED WITH THE PRODUCT
PROCESS CAN DISPLACE BREATHING AIR AND CAUSE ASPHYXIATION IN
CONFINED WORK SPACES
OR UNVENTILATED AREAS.

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

Respiratory Protection:BE SURE TO USE A FUME RESPIRATOR OR AIR SUPPLIED
RESPIRATOR WHEN WELDING IN CONFINED SPACES OR WHERE LOCAL EXHAUST OR
VENTILATION DOES NOT KEEP EXPOSURE BELOW THE PEL AND TLV LIMITS.

Ventilation:USE ENOUGH VENTILATION, LOCAL EXHAUST AT THE ARC, OR BOTH
TO KEEP FUMES AND GASES FROM WORKER'S BREATHING ZONE.

Protective Gloves:DRY WELDER'S GLOVES

Eye Protection:PROTECTIVE FAC
E SHIELD

Other Protective Equipment:ARM PROTECTORS, APRONS, HATS, SHOULDER
PROTECTORS AS WELL AS DARK, SUBSTANTIAL CLOTHING.

Work Hygienic Practices:NONE SPECIFIED BY MANUFACTURER.

Supplemental Safety and Health

WELDERS SHOULD BE TRAINED TO AVOID ELECTRIC SHOCK BY MAINTAINING A DRY
WORK AREA, INSULATING THEMSELVES FROM THE WORKPLACE AND GROUND, AND
NOT TOUCHING LIVE ELECTRICAL PARTS.

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

HCC:N1

NRC/State Lic Num:NONE

Spec Gravity:7 - 9

Solubility in Water:INSOLUBLE

Appearance and Odor:METAL CORE RODS COATED WITH FLUX.

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

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

Stability Condition to Avoid:AS SHIPPED THIS PRODUCT IS STABLE AND
NONREACTIVE; ANAD IT IS NOT CHEMICALLY HAZARDOUS.

Hazardous Decomposition Products:COMPLEX OXIDE AND FLUORIDE
COMBINATIONS OF ALL INGREDIENTS LISTED IN INGREDIENT SECTION.

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

Waste Disposal Methods:DISPOSE OF FUME, FLUX AND WELD GRINDING RESIDUES FROM THE WORK AREA OR FROM FILTERS IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL REGULATIONS.

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