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HAYNES INTERNATIONAL INC SUB OF CABOT CORP -- R-41 WELDING ROD -- 3439-00-146-3779

Product ID:R-41 WELDING ROD

MSDS Date:05/01/1989

FSC:3439

NIIN:00-146-3779

MSDS Number: BKSHP === 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:317-456-66

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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

====== Composition/Information on Ingredients ========

Ingre

d Name:NICKEL (SARA III)

CAS:7440-02-0

RTECS #:QR5950000 Fraction by Wt: 52%

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: 11%

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: 19%

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: MOLYBDENUM

CAS:7439-98-7

RTECS #:QA4680000 Fraction by Wt: 10%

Other REC Limits: NONE SPECIFIED

OSHA PEL:15 MG/M3 TDUST ACGIH TLV:10 MG/M3; 9293

Ingred Name:IRON

CAS:7439-89-6

RTECS #:NO4565500 Fraction by Wt: 5.0%

Other REC Limits:NONE SPECIFIED OSHA PEL:10 MG/M3(IRON OXIDE) ACGIH TLV:5 MG/M3 (IRON OXIDE)

Ingred Name: SILICON

CAS:7440-21-3

RTECS #:VW0400000 Fraction by Wt: 0.5%

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 #:009275000 Fraction by Wt: 0.1%

Other REC Limits:NONE SPECIFIED OSHA PEL:(C) 5 MG/M3 DUST ACGIH TLV:5 MG/M3 DUST 9293

Ingred Name: ALUMINUM (SARA III)

CAS:7429-90-5

RTECS #:BD0330000 Fraction by Wt: 1.5%

Other REC Limits:NONE SPECIFIED OSHA PEL:15MG/M3 DUST/5 FUME ACGIH TLV:10MG/M3 DUST; 9192

Ingred Name:TITANIUM, METAL

CAS:7440-32-6

RTECS #:XR1700000

Other REC Limits: NONE SPECIFIED

OSHA PEL:10 MG/M3 (TIO2) ACGIH TLV:10 MG/M3 (TIO2)

Ingr

ed Name:BORON (TOTAL) AS BORON OXIDE

Fraction by Wt: 0.006%

Other REC Limits: NONE SPECIFIED

OSHA PEL:10 MG/M3 ACGIH TLV:10 MG/M3

LD50 LC50 Mixture:TLV FOR WELDING FUMES IS 5 MG/M3

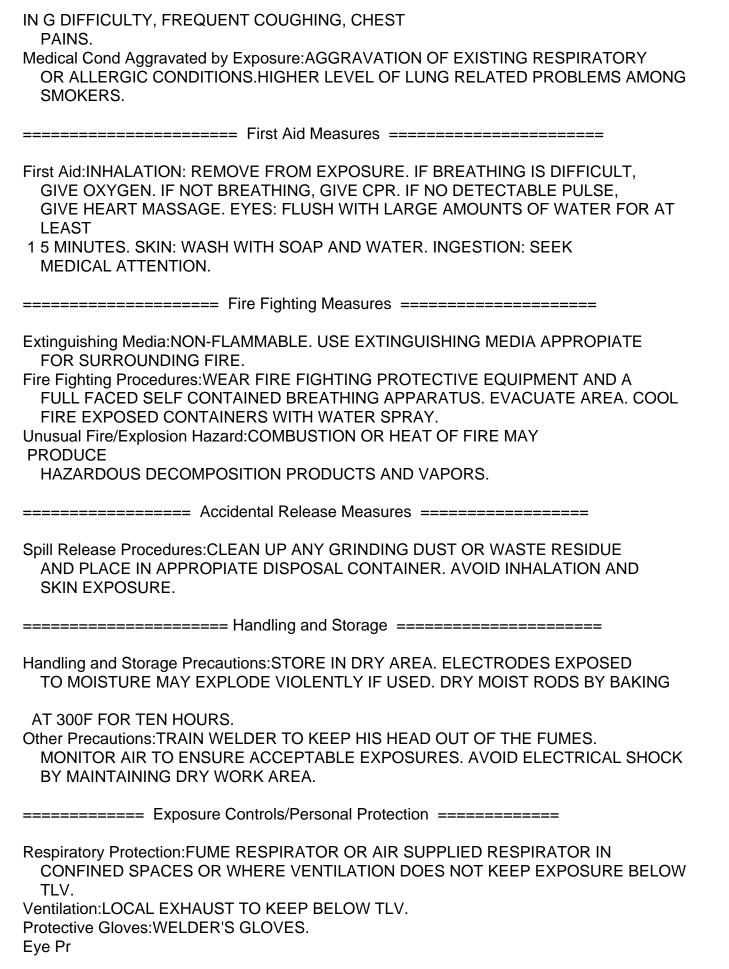
Routes of Entry: Inhalation:YES Skin:NO Ingestion:NO

Health Hazards Acute and Chronic:ACUTE: FUMES AND GASES CAN CAUSE EYES AND UPPER RESPIRATORY SYSTEM IRRITATION, AND CENTRAL NERVOUS S YSTEM

EFFECTS. ARC RAYS CAN INJURE EYES AND BURN SKIN. ELECTRIC SHOCK CAN KILL. NOISE CAN DAMAGE HEA RING. CHRONIC: NEUROLOGICAL DAMAGE, LUNG FIBROSIS, PNEUMOCONIOSIS.

Explanation of Carcinogenicity:NICKEL AND CHROMIUM ARE LISTED UNDER IARC AND NTP.

Effects of Overexposure:SHORT TERM EXPOSURE: NAUSEA, FEVER, DIZZINESS, DRYNESS, IRRITATION OF EYES, NOSE AND THROAT, SKIN SENSITIVITY.
ACUTE EXPOSURE: SAME SYMPTOMS TO HIGHER DEGREE AS WELL AS WATERY EYES, HEADACHE, BREATH



otection:HELMET OR FACE SHIELD WITH FILTER LENS.

Other Protective Equipment:SUBSTANTIAL DARK CLOTH, ARM PROTECTOR, APRON, HAT AND SHOULDER PROTECTION. AIR SAMPLING TO DETERMINE CORRECTIVE MEASURES

Work Hygienic Practices:WASH HANDS THOROUGHLY BEFORE EATING, SMOKING OR USING SANITARY FACILITIES.

Supplemental Safety and Health NONE.

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

HCC:N1
Spec Gravity:7-9
Solubility in Water:INSOLUBLE
Appearance and Odor:WELDING RO
D 1/16 INCH DIAMETER BY 36 INCHES LONG.

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

Stability Indicator/Materials to Avoid:YES Stability Condition to Avoid:MOISTURE.

Hazardous Decomposition Products:FUMES OF METALS AND METAL OXIDES FROM ELECTRODE AND BASE METAL, CARBON MONOXIDE, CARBON DIOXIDE, OZONE, NITROGEN OXIDES.

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

Waste Disposal Methods:CONSULT WITH YOUR LOCAL ENVIRONMENTAL OFFICER.
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SPOSE OF FUMES, FLUX OR WELD GRINDING RESIDUE FROM THE WORK AREA OR FROM FILTERS IN ACCORDANCE WITH FEDERAL, STATE AND LOCAL ENVIRONMENTAL REGULATIONS.

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