View NSN Online: https://aerobasegroup.ae/nsn/3439-01-031-5253

HAYNES INTERNATIONAL INC SUB OF CABOT CORP -- H3095-0 ALLOYS, HASTELLOY X ALLOY N06002 -- 3439-01-031-5253

Product ID:H3095-0 ALLOYS, HASTELLOY X ALLOY N06002

MSDS Date:09/01/1993

FSC:3439

NIIN:01-031-5253

MSDS Number: CFVWS === 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:317-456-6625

Emergency Phone Num:800-424-9300(CHEMTREC)/317-456-6894

Preparer's Name: SAFETY DEPT

CAGE:80357

=== Contractor Identification ===

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 ========

Ingred Name:BORON (% IS MAX AMT)

CAS:7440-42-8

RTECS #:ED7350000

Fracti

on by Wt: 0.008%

Other REC Limits: NONE RECOMMENDED

OSHA PEL:10 MG B203/M3 ACGIH TLV:10 MG B2O3/M3

Ingred Name: COBALT (SARA 313)

CAS:7440-48-4

RTECS #:GF8750000 Fraction by Wt: 1.5%

Other REC Limits: NONE RECOMMENDED

OSHA PEL:0.1 MG/M3

ACGIH TLV:0.02 MG/M3; A3; 9596

Ingred Name: CHROMIUM (SARA 313) (CERCLA)

CAS:7440-47-3

RTECS #:GB4200000 Fraction by Wt: 22%

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:IRON

CAS:7439-89

-6

RTECS #:NO4565500 Fraction by Wt: 18%

Other REC Limits: NONE RECOMMENDED

Ingred Name: MANGANESE (SARA 313)

CAS:7439-96-5

RTECS #:OO9275000 Fraction by Wt: 1% MAX

Other REC Limits: NONE RECOMMENDED

OSHA PEL:C, 5 MG/M3 (FUME) ACGIH TLV:0.2 MG/M3; 9596

Ingred Name: MOLYBDENUM

CAS:7439-98-7

RTECS #:QA4680000 Fraction by Wt: 9%

Other REC Limits: NONE RECOMMENDED

OSHA PEL:10 PPM. ACGIH TLV:10 PPM.

Ingred Name: NICKEL (SARA 313) (CERCLA)

CAS:7440-02-0

RTECS #:QR5950000 Fraction by Wt: 47% Other REC Lim its:NONE RECOMMENDED

OSHA PEL:1 MG/M3

ACGIH TLV:1 MG/M3; 9596

Ingred Name: SILICON

CAS:7440-21-3

RTECS #:VW0400000 Fraction by Wt: 1% MAX

Other REC Limits: NONE RECOMMENDED

OSHA PEL:15 MG/M3 TDUST

ACGIH TLV:10 MG/M3 TDUST; 9596

Ingred Name: TUNGSTEN, AS W, SOLUBLE COMPOUNDS.

CAS:7440-33-7

RTECS #:YO7175000 Fraction by Wt: 0.6%

Other REC Limits: NONE RECOMMENDED

OSHA PEL:NOE ESTABLISHED ACGIH TLV:1 MG/M3/3 STEL; 9596

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

LD50 LC50 Mix

ture: NONE SPECIFIED BY MANUFACTURER.

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES

Health Hazards Acute and Chronic: INHAL: METAL DUST/FUME/POWDER MAY

RESULT FROM MELT/DROSS HNDLG/CAST/WELD/THERM

CUT/FRINK/CRUSH/SIMILAR OPERATIONS WHICH GENERATE AIRBORNE METAL PARTICULATE DURING MATLS USE.INGEST:HAND/CLOTH/FOOD/DRINK CONTACT W/METAL DUST/FUME/POWDER CAN CAUSE PARTICULATE INGEST DURING HAND TO MOUTH ACTIVITIES

(DRINK/SMOKE/(SUPPLEMENTA)

Explanation of Carcinogenicity:PER MSDS:CR(VI)/NI CMPDS CARC BY OSHA/IARC/NTP.WELD FUME/CO CARC BY OSHA/IARC.CHEMS KNOWN TO STATE OF CALIFORNIA CARC.

Effects of Overexposure:INGREDS METAL DUST/FUME IRRIT SKIN/EYE/MUC MEMB.CR/CO/CU/NI CONTACT CAUSE ALLERGIC SKIN RX.IRRIT SKIN/DERM,INJURY TO EYE FRM IRRIT/MECHAN INJURY TO CORNEA/CONJ BY DUST/PARTIC.EXCESS AL,CO,CU,MN,NI RES P IRRIT,COUGH,BRON,CHILLS,FUME FEVER,ASTHMA-LIKE SYMPT.RESP DISEASE,CN

S DEPRESS,GI DISORDER,LUNG CHANGES.  Medical Cond Aggravated by Exposure:ALLERGIC RX/SENS TO METALS  ENCOUNTER SKIN RASH/DERM.IMPAIRED PULM FUNCTION/AIRWAY  DISEASE/CONDITIONS LIKE ASTHMA,EMPHY,CHRONIC BRON,ETC FURTHER  DISABILITY.NERV,CIRC,BLOOD,KID DMG/DISEASE NEED SCREENIG
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First Aid:INHAL:BREATH DIFFI MOVE TO FRESH AIR.STOP BREATH PERFORM ART RESP.GET MED ATTN IMMED.INGGEST:SWALLOW LG QUANT OF WATER,ATTEMPT
TO INDUCE VOMIT IF CONSC.GET MED ATTN IMMED.SKIN:CUT/ABRASION TREAT BY ST D 1STAID:CONTAM REMOVE BY WASHING W/SOAP/WATER.IRRIT PERSIST GET MED ATTN.EYE:FLUSH W/COPIOUS AMTS OF CLEAN WATER.IRRIT PERSIST GET MED ATTN.CONTACT LENSES SHOULDNT BE WORN WHEN WORK W/METAL DUST/POWD
============= Fire Fighting Measures =============
Flash Point:NONE Autoignition Temp:Autoignition Temp Text:NP Lower Limits:NONE Upper Limits:NONE Extinguishing Media:THESE ALLOYS ARE NON -COMBUSTIBLE.USE EXTINGUISHING MEDIA APPROPRIATE TO SURROUNDING FIRE. Fire Fighting Procedures:IF THESE MATLS REDUCED TO POWDER FORM CAUT MUST BE USED TO PREVENT FIRE/EXPLO.TO EXT METAL POWDER FIRE USE DRY SAND,DRY GRAPHITE,OTHER CLASS D FIRE EXT POWDER. Unusual Fire/Explosion Hazard:NO USUSUAL FIRE OR EXPLO HAZARDS ARE ASSOCIATED WITH THESE MATLS.
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Spill Release Procedures:SOLID FORM MATL POSE NO SPEC CLEANUP
PROBLEMS.MATL POWDER/DUST FORM CLEANUP SHOULD BE CONDUCTED W/VACUUM SYS UTILIZING HEPA FILT SYS.CAUT SHOULD BE TAKEN TO MIN AIRBORNE GENERATION OF POWDER/DUST,AVOI D CONTAM OF AIR/WATER.PROPERLY LABEL COLLECT MATL.
Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.
============= Handling and Storage ==============
Handling and Storage Precautions:HNDL ACCORDING TO SIZE/SHAPE/QUANT SOLID-USE HOIST CRANE FTC POWDER-SPILL/RELEASE

SIZE/SHAPE/QUANT.SOLID-USE HOIST,CRANE,ETC.POWDER-SPIL POT.SOLID NO SPEC STORAGE

PROBLEM.STORE METAL/POWDER IN DRY AREA. Other Precautions: DONT STORE ADJ TO MINERAL ACIDS.KEEP FINE METAL POWDER AWAY FLAME/IGN.EXPO TO ELEMENTS BEST DETERMINE BY AIR SMPLS FRM WORKER BREATH ZONE/WORK AREA/DEPT.LUNG FUNCT TEST/CHEST X-RAY/ROUTINE PHYS EXAM U SEFUL-DETERMINE EFFEFT OF DUST/FUME EXPO ===== Exposure Controls/Personal Protection ======== Respiratory Protection: NIOSH APPROV RESP AS SPEC BY INDUSTR HYG/QUAL SAF PROF.LUNG FUNCTION TESTS RECOMMENDED FOR USERS OF NEG PRESSURE DEVICES.USE FUME RESP OR AIR SUPPL RESP WHERE LOC EXHAU/VENTI DOESNT KEEP EXPO BEL OSHA LIMITS FOR AIR CONTAMINANTS. Ventilation:LOC EXHAU VENTI SHOULD BE USED TO CONTROL EXPO TO AIRBORNE DUST & FUME WHENEVER POSSIBLE. Protective Gloves: GLOVES PREVENT METAL CUT/SKIN ABRASIONS Eye Protection: SAF GLASSES WHEN RISK OF EYE INJURY PRES Other Protective Equipment: POT CLOTH (UNIFORMS, DISPO COVERALLS, SAF SHOES, ETC) MAY BE REQURIED DURING METAL HDNLG OPERATIONS AS APP **ROP** 

TO EXPO CIRCUM.

Work Hygienic Practices: CONTAINS SEC 313 EPCRA CHEMS. HEALTH HAZ INFO GIVEN IN MSDS H-1072 FOR WELDING PRODUCTS ALSO APPLY.

Supplemental Safety and Health

HEALTH:NAIL BITE,ETC).SKIN:CONTACT MAY CAUSE IN SOME SENS PEOPLE
ALLERGIC RESPONSE IF ELEMENTS LIKE CR,CO,CU,NI PRESENT.METAL
DUST/POWDER CONTACT/ABRASION CAUSE IRRIT,DERM.EYE:PARTICU METAL
DANGEROUS TO EYE/SURROUNDING TISSUE.AIRBORNE PARTIC POT PROBLEM AS
WELL AS INSERTING FINGER INTO EYE IF HAND/CL

OTH CONTAM W/PARTIC

	Physical/Chemical Properties	
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HCC:N1

Boiling Pt:B.P. Text:NA

Melt/Freeze Pt:M.P/F.P Text:-2300F,-129

Decomp Temp:Decomp Text:NP

Vapor Pres:NA Vapor Density:NA

Spec Gravity:0.297=DENSITY

pH:NP

Viscosity:NP

Evaporation Rate & Dry Reference: NA

Solubility in Water:NONE

Appearance and Odor:SOLID-SILVER GRAY COLOR, NO ODOR

Percent Volatiles by Volume: NONE

Corrosion Rate:NP

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

Stability Indicator/Materials to Avoid:YES
AVOID COTNACT W/MINERAL ACIDS & OXIDIZING AGENTS WHICH MAY GENERATE
HYDROGEN GAS;EVOLUTION OF HYDROGEN MAY BE EXPLO HAZ.
Stability Condition to Avoid:NONE SPECIFIED BY MANUFACTURER.
Hazardous Decomposition Products:VAR ELEMENTAL METALS/METAL OXIDES MAY
BE GENERATED FRM WELD/CUT/GRINK/MELT/DROSS HNDLG OPERATIONS.

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

Waste Disposal Methods:WASTE MATL DISPO IAW STATE/FED REGS.SPEC LABEL/PKG/STORAGE/TRANSPO/DISPO PROCEDURES CALL ENVIRO ENGINEER/CONSULTANT FAMILIAR W/WASTE DISPO REGS.SOLID NO SPEC ENVIRO PROBLEMS;POWDER/DUST SIGN IMPACT ON AIR/H2O QUAL.CONTROL EMISS/SPILL/RELEASE.

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