

CABOT CORPORATION -- HAYNES ALLOY NO.31(HIGH PERF.HEAT RES.ALLOY -- 3439-00-357-7860

=====
Product Identification
=====

Product ID:HAYNES ALLOY NO.31(HIGH PERF.HEAT RES.ALLOY

MSDS Date:01/01/1987

FSC:3439

NIIN:00-357-7860

MSDS Number: BDXCY

=== Responsible Party ===

Company Name:CABOT CORPORATION

Emergency Phone Num:(215)921-5000

CAGE:CABOT

=== Contractor Identification ===

Company Name:CABOT CORP

ORATION

Address:COUNTY LINE RD

Box:188

City:BOYERTOWN

State:PA

ZIP:19512

Phone:215-367-2181

CAGE:CABOT

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:NICKEL (SARA III)

CAS:7440-02-0

RTECS #:QR5950000

Fraction by Wt: 10.5%

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: 54.0%
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: 25.5%
OSHA PEL:1 MG/M3
ACGIH TLV:0.5 MG/M3; 9192
EPA Rpt Qty:1 LB
DOT Rpt Qty:1 LB

Ingred Name:TUNGSTEN
CAS:7440-33-7
RTECS #:YO7175000
Fraction by Wt: 7.5%
OSHA PEL:5 MG/M3/ 10 STEL
ACGIH TLV:5 MG/M3/10 STEL;9192

Ingred Name:IRON,CAS#15438-31-0 (OSHA PEL AS FE*2O*3 10.0 MG/CUM)SUPP
DATA FO
R OTHER INGREDIENTS
RTECS #:NO6900000
Fraction by Wt: 2.0%
ACGIH TLV:5.0MG/CUM AS FE

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

Effects of Overexposure:IRRIT TO SKIN EYES AND MUC. MEMBRANES, ALLERGIC
SKIN REACTIONS. DERMITIS.RESP.IRRIT.METAL FUME FEVR

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

First Aid:INHALE:REMOVE TO FRESH AIR, GIVE CPR/O*2 IF
NEED;EYES/SKIN:FLUSH W LG AMTS H*2O FOR 15 MIN;INGEST:RINSE MOUTH;
GET MEDICAL ATT

ENTION FOR EYES, BREATHING DIFFICULTY, OR OTHER SYMPTOMS OF OVEREXPOSURE.

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

Extinguishing Media:THIS ALLOY IS NON COMBUSTIBLE.USE EXT MEDIA AS NEEDED

Fire Fighting Procedures:FOR FIRE FIGHTING WHERE MOLTEN METAL MAY PRESENT,USE SCBA.

Unusual Fire/Explosion Hazard:NO UNUSUAL FIRE OR EXPLOSION HAZARDS ARE ASSOCIATED WITH THIS MATERIAL.

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

Spill Rel

ease Procedures:CLEAN UP SHOULD BE CONDUCTED WITH VACUUM SYSTEM UTILIZING A HIGH EFFICIENCY PARTICULATE AIR FILTRATION SYSTEM.AVOID CREATION OF METAL FUMES AND CONTAMINATION OF WATER AND AIR PROPER LABEL ALL MATERIAL S COLLECTED IN WASTE CONTAINER.

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

Handling and Storage Precautions:DO NOT STORE ADJACENT MINERAL ACID,KEEP AWAY FROM FLAMES AND SOURCES OF IGNITION WHEN FINE METAL POWDER.STORE METAL,METAL POWDER IN A DRY AREA.

Other Precautions:DO NOT INHALE FUME OR METAL DUST.IT MAY CAUSE SEROIOUS LUNG INJURY.AVOID SKIN AND EYE CONTACT.SKIN,EYE AND MUCOUS MEMBRANE IRRITATION MAY OCCUR; PROVIDE ADEQUATE VENTILATION IN WORKING AREA.

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

Respiratory Protection:USE NIOSH/MSHA APPROVED RESPIRATOR FOR METAL FUMES.

Ventilation:LOCAL EXHAUST TO MAINTN BELOW TLV.

Protective Gloves:RCMD TO AVD CUT

Eye Protection:GOGGLES/FACE SHIELD

Oth

er Protective Equipment:FULL PROTECTIVE CLOTHING,SAFETY SHOWER,EYE WASH STATION

Supplemental Safety and Health

MSDS DATED 11/01/85.OTHER INGRED AS CARCENOGENS.

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

HCC:N1

Solubility in Water:NEGLIGIBLE

Appearance and Odor:SOLID SILVER GREY COLOR NO ODOR

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

Stability Indicator/Materials to Avoid:YES

MINERAL ACIDS,OXIDIZING AGENTS.

Stability Condition to Avoid:N

ONE SPECIFIED BY THE MFR.

Hazardous Decomposition Products:METALS OR METAL OXIDES FROM MELTING OR
DROSS HANDLING OPERAT

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

Waste Disposal Methods:FOLLOW THE SPECIFIC REQUIREMENTS FOR WASTE
MATERIAL COLLECTED. THE PROCEDURES AND DISPOSE IAW
LOCAL,STATE,FEDERAL REGULATION.S

Disclaimer (provided with this information by the compiling agencies):

This information is formulated for use by elements of the Department
of D

efense. The United States of America in no manner whatsoever,
expressly or implied, warrants this information to be accurate and
disclaims all liability for its use. Any person utilizing this
document should seek competent professional advice to verify and
assume responsibility for the suitability of this information to their
particular situation.