

HAYNES INTERNATIONAL INC SUB OF CABOT CORP -- ALLOYS COVERED BY MSDS H2071-1 --
3439-01-097-5989

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

Product ID:ALLOYS COVERED BY MSDS H2071-1

MSDS Date:09/01/1993

FSC:3439

NIIN:01-097-5989

Kit Part:Y

MSDS Number: BTSRY

=== Responsible Party ===

Company Name:HAYNES INTERNATIONAL INC SUB OF CABOT CORP

Address:1020 W PARK AVE

Box:9013

City:KOKOMO

State:IN

ZIP:46902-90

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Country:US

Info Phone Num:317-456-6625

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

CAGE:80357

=== Contractor Identification ===

Company Name:FERCO TECH CORP (513-746-6696)

CAGE:66970

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

Company Name:U.S. SMALL BUSINESS ADMINISTRATION

CAGE:3S077

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

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Ingred Name:FORMULATION IS UNKNOWN. MSDS WAS FOR A NUMBER OF ALLOYS AND THE PARTICULAR ONE WAS NOT INDICATED.

RTECS #:9999999ZZ

Other REC Limits:NONE SPECIFIED

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

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

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

Health Hazards Acute and Chronic:ACUTE:METAL DUSTS/FUMES AND GASES CAN CAUSE IRRITATION TO SKIN,EYES,MUCOUS MEMBRANES. SOME OF THE METALS

MAY CAUSE AN ALLERGIC SKIN REACTION. INHALATION OF METAL FUME/DUST MAY CAUSE BRONCHITIS, FUME FEVER, COUGH, ASTHMA. CHRONIC:AN ELEMENTMAY CAUSE NEUROLOGICAL DAMAGE, LUNG FIBROSIS, PNEUMOCONIOSIS,G/I DISORDERS.

Effects of Overexposure:NAUSEA, CHILLS, FEVER, IRRITATION OF EYES, NOSE AND THROAT, SKIN SENSITIVITY, ASTHMA LIKE SYMPTOMS, SKIN SENSITIVITY.

Medical Cond Aggravated by Exposure:SENSITIVITY TO METALS (RESPIRATORY OR ALLERGIC CONDITIONS). IMPAIRED PULMONARY FUNCTION . PRIOR NEUROLOGIC, CIRCULATORY OR KIDNEY CONDITIONS.

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

First Aid:INHALED:REMOVE TO FRESH AIR. IF BREATHING STOPPED,GIVE ARTIFICIAL RESPIRATION & GET IMMEDIATE MEDICAL ATTENTION. INGESTED:(LARGE QUANTITIES) GIVE WATER AND INDUCE VOMITING. GET IMMEDIATE MEDICAL ATTE NTION. EYES: FLUSH WITH COPIOUS AMOUNTSOFCLEAN WATER. SKIN:WASH WITH SOAP & WATER. STANDARD FIRST AID FOR CUTS & ABRASIONS. IF ANY IRRITATI ON PERSISTS, SEE A DOCTOR.

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

Flash Point:NONE

Lower Limits:NONE

Upper Limits:NONE

Extinguishing Media:NON-COMBUSTIBLE USE EXTINGUISHING MEDIA APPROPRIATE FOR SURROUNDING FIRE.

Fire Fighting Procedures:IF MATERIAL IS REDUCED TO A POWDER FORM, USE CAUTION TO PREVENT FIRE OR EXPLOSION. EXTINGUISH POWDERED METAL FIRE USE DRY SAND, GRAPHITE OR OTHER CLASS D.

Unusual Fire/Explosion Hazard:NO UNUSUAL FIRE OR EXPLOSION HAZA

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ASSOCIATED WITH THESE MATERIALS.

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

Spill Release Procedures:INB SOLID FORM THEY POSE NO PROBLEM. IN POWDER FORM, CLEAN UP USING A HEPA VACUUM. MINIMIZE GENERATION OF AIRBORNE DUST. AVOID CONTAMINATION OF AIR OR WATER. PROPERLY LABEL ALL CONTAINERS.

Neutralizing Agent:NO INFORMATION GIVEN BY MFR ON MSDS.

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

Handling and Storage Precautions:THESE PRODUCTS MUST BVE HANDLED

ACCORDING TO THE SIZE, SHAPE & QUANTITY OF MATERIAL INVOLVED. SOLID MATERIAL MAY REQUIRE HOISTS, ETC.

Other Precautions:POWDERS SHOULD BE MOVED AND TRANSPORTED TO MINIMIZE SPILL OR RELEASE POTENTIAL.

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

Respiratory Protection:USE NIOSH APPROVED RESPIRATORS AS SPECIFIED BY AN INDUSTRIAL HYGIENIST/SAFETY PROFESSIONAL. USE A FUME RESPIRATOR OR AAIR SUPPLIED RESPIRATOR WHERE LOCAL EXHAUS T DOES NOT KEEP

EXPOSURE BELOW OSHA LIMI TS. LUNG FUNCTION TESTS RECOMMENDED.

Ventilation:LOCAL EXHAUST SHOULD BE USED TO CONTROL EXPOSURE TO AIRBORNE DUST AND FUME WHENEVER POSSIBLE.

Protective Gloves:GLOVES TO PROTECT FROM PHYSICAL HAZARDS.

Eye Protection:SAFETY GLASSES FOR MACHINING/WELDING

Other Protective Equipment:PROTECTIVE CLOTHING, I.E. UNIFORMS, DISPOSABLE COVERALLS,SAFETY SHOES,AS APPROPRIATE MAY BE REQUIRED FOR SOME OPERATIONS

Work Hygienic Practices:MFR: ? HMIS:USE G

OOD INDUSTRIAL HYGIENE

PRACTICE. AVOID UNNECESSARY EXPOSURE. WASH THOROUGHLY BEFORE EATING OR DRINKING

Supplemental Safety and Health

LUNG FUNCTION TESTS, CHEST X-RAY, & ROUTINE PHYSICAL EXAMINATIONS MAY BE USEFUL TO DETERMINE EFFECTS OF DUST/FUME EXPOSURE. EXPOSURE TO ELEMENTS IN ALLOY CAN BEST BE DETERMINED BY AIR SAMPLES TAKEN IN THE EMPLOYEE BREATHING ZONE, WORK AREAOR DEPARTMENT.

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

HCC:N1

NRC/State Lic

Num:NONE

Solubility in Water:NONE

Appearance and Odor:SOLID-SILVER GRAY COLOR. NO COLOR(!!???)

Percent Volatiles by Volume:NONE

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

Stability Indicator/Materials to Avoid:YES

AVOID CONTACT WITH MINERAL ACIDS AND STRONG OXIDIZING AGENTS WHICH MAY GENERATE EXPLOSIVE HYDROGEN GAS.

Stability Condition to Avoid:THESE ALLOYS ARE STABLE MATERIALS.

Hazardous Decomposition Products:FUMES OF METALS AND METAL OXIDES FROM WELDING, CU

TTING, GRINDING, MELTING OR DROSS HANDLING.

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

Waste Disposal Methods:DISPOSE I/A/W FEDERAL, STATE & LOCAL REGULATIONS. FOR SPECIFIC LABELLING, PACKING, STORAGE, TRANSPORTATION AND DISPOSAL PROCEDURES CONSULT AN ENVIRONMENTAL ENGINEER OR CONSULTANT FAMILIAR WITH WASTE D ISPOSAL REGULATIONS.

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