

ALLOYS INTERNATIONAL, DIV OF MILLER THERMAL TECH. -- AI-1037 -- 3439-00-111-5937
===== Product Identification =====

Product ID:AI-1037

MSDS Date:04/05/1986

FSC:3439

NIIN:00-111-5937

MSDS Number: BCZCM

=== Responsible Party ===

Company Name:ALLOYS INTERNATIONAL, DIV OF MILLER THERMAL TECH.

Address:1901 ELLIS SCHOOL RD

City:BAYTOWN

State:TX

ZIP:77521-1215

Info Phone Num:713-426-5535

Emergency Phone

Num:713-426-5535

CAGE:IO332

=== Contractor Identification ===

Company Name:ALLOYS INTERNATIONAL

Address:1901 ELLIS SCHOOL RD

City:BAYTOWN

State:TX

ZIP:77521

Country:US

Phone:713-426-5535

CAGE:IO332

Company Name:MILLER THERMAL TECHNOLOGIES,INC.,ALLOYS INTL. DIV.

Address:1901 ELLIS SCHOOL ROAD

Box:City:BAYTOWN

State:TX

ZIP:77521-1215

Country:US

Phone:713-426-5535

CAGE:06677

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

Ingred Name:NICKEL (SARA III)

CAS:7440-02-0

RTECS #:

QR5950000
Fraction by Wt: 95%
OSHA PEL:1 MG/M3
ACGIH TLV:1 MG/M3; 9192

Ingrid Name:ALUMINUM (SARA III)
CAS:7429-90-5
RTECS #:BD0330000
Fraction by Wt: 5%
OSHA PEL:15MG/M3 DUST/5 FUME
ACGIH TLV:10MG/M3 DUST; 9192

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

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES
Reports of Carcinogenicity:NTP:YES IARC:YES OSHA:YES
Health Hazards Acute and Chronic:INHALATION: IRRITANT TO THE MUCOUS
MEMBRANE OF THE UPPER RESPIR
ATORY TRACT AND CAN BE CONNECTED TO
PULMONARY FIBROSIS. EYES: IRRITANT TO THE CONJUNCTIVA OF THE EYE.
SKIN: SKIN SENSITIZATION, NICKEL DERMATITIS, ECZEMA AND NICKEL
ITCH.
Explanation of Carcinogenicity:NICKEL IS PROBABLY CARCINOGENIC TO
HUMANS, BUT EVIDENCE IS LIMITED.
Effects of Overexposure:IRRITATION OF EYE, SKIN AND RESPIRATORY TRACT.
Medical Cond Aggravated by Exposure:SKIN DISORDERS OR SENSITIZATION.

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

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First Aid:INHALATION: REMOVE FROM EXPOSURE TO FRESH AIR AND CONTACT
PHYSICIAN. EYES: FLUSH FOR 15 MINUTES WITH CLEAR WATER. SKIN: WASH
THOROUGHLY WITH SOAP AND WATER. INGESTION: INDUCE VOMITING AND
CONTACT PHYSICIAN.

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

Flash Point:NONE
Extinguishing Media:CARBON DIOXIDE, FOAM, TYPE D
Fire Fighting Procedures:AVOID WATER & CHLORINATED HYDROCARBONS. AVOID
GENERATION OF DUST. COVER TO ELIMINATE OXYGEN. DIKE WITH DRY

SAND.

DO NOT DISTURB POWDER UNTIL COMPLETELY COOL.

Unusual Fire/Explosion Hazard:POWDERED NICKEL IS A MODERATE FIRE HAZARD. ALUMINUM REACTS WITH ALKALIS AND ACIDS. DUST-AIR MIXTURES MAY EXPLODE WHEN IGNITED.

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

Spill Release Procedures:SCOOP UP AND PLACE IN A SUITABLE CONTAINER AND LABEL PROPERLY. SALVAGE PROFITABLLY FOR REUSE LOCALLY OR SELL AS SCRAP METAL.

Neutralizing Agent:NONE REQUIRED.

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

Handling and Storage Precautions:KEEP MATERIAL IN CLOSED CONTAINERS. DO NOT EAT FOOD IN WORK AREA. DO NOT SMOKE IN WORK AREA.

Other Precautions:DO NOT STORE WITH OXIDIZERS.

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

Respiratory Protection:HIGH EFFICIENT DUST MASK: NUISANCE DUST MASK 3M TYPE 8710 OR EQUAL.

Ventilation:USE LOCAL EXHAUST VENTILATION TO KEEP DUST LEVELS BELOW TLV FOR NICKEL. USE MECHANICAL EX PLOSION PROOF EXHAUST.

Protective Gloves:THICK WORK GLOVES

Eye Protection:SAFETY GLASSES

Other Protective Equipment:COVERALLS: RECOMMEND BARRIER CREAMS TO PREVENT SKIN SENSITIZATION AND DERMATITIS.

Work Hygienic Practices:USE GOOD HOUSECLEANING PRACTICES TO PREVENT ACCUMULATION OF DUST. CLEAN WORK CLOTHING SHOULD BE USED DAILY. NO SMOKING.

Supplemental Safety and Health
PLASMA SPRAY POWDER.

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

HCC:N1

Boiling Pt:B.P.

Text:4950F,2732C

Vapor Pres:0

Spec Gravity:8.91

Solubility in Water:INSOLUBLE

Appearance and Odor:140 TO 325 MESH METALLIC GRAY POWDER. NO ODOR.

Percent Volatiles by Volume:0

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

Stability Indicator/Materials to Avoid:YES

NONE

Stability Condition to Avoid:NONE

Hazardous Decomposition Products:NONE

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

Waste Disposal Methods:DISPOSE OF IN SAFE, APPROVED AREA IN ACCORDANCE

WITH FEDERAL, STATE AND LOCAL REGULATIONS.

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