

CERTANIUM ALLOYS & RESEARCH -- ALUMINUM ALLOY, 14050
MATERIAL SAFETY DATA SHEET
CERTANIUM ALLOYS & RESEARCHNSN: 343900N016284
Manufacturer's CAGE: 61404
Part No. Indicator: A
Part Number/Trade Name: ALUMINUM ALLOY, 14050

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General Information
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Company's Name: CERTANIUM ALLOYS & RESEARCH CO
Company's Street: 4500 EUCLID AVENUE
Company's City: CLEVELAND
Company's State: OH
Company's Country: US
Company's Zip Code: 44103
Company's Emerg Ph #: 216-391-8300
Company's Info Ph #: 216-391-8300
Record No. For Safety Entry: 001
Tot Safety Entries This Stk#: 001
Status: SMJ
Date MSDS Prepared: 15JUN88
Safety Data Review Date: 19JUL91
MSDS Preparer's Name: B K
Preparer's Company: SAME
MSDS Serial Number: BKRWJ
Hazard Characteristic Code: N1

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Ingredients/Identity Information
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Proprietary: NO
Ingredient: ALUMINUM (SARA III)
Ingredient Sequence Number: 01
Percent: >60
NIOSH (RTECS) Number: BD0330000
CAS Number: 7429-90-5
OSHA PEL: 15MG/M3 DUST/5 FUME
ACGIH TLV: 10MG/M3 DUST; 9192

Proprietary: NO
Ingredient: SILICA GEL
Ingredient Sequence Number: 02
Percent: 3-7
CAS Number: 7631-86-9
OSHA PEL: 6 MG/M3
ACGIH TLV: 10 MG/M3 TDUST

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Physical/Chemical Characteristics
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Appearance And Odor: SOLID ROD
Boiling Point: N/A
Vapor Pressure (MM Hg/70 F): N/A
Vapor Density (Air=1): N/A
Specific Gravity: NOT APPLICABLE
Evaporation Rate And Ref: N/A
Solubility In Water: N/A
Percent Volatiles By Volume: N/A
pH: N/A

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Fire and Explosion Hazard Data
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Flash Point: NOT APPLICABLE
Lower Explosive Limit: N/A
Upper Explosive Limit: N/A
Extinguishing Media: WATER, FOG, FOAM, DRY CHEMICAL, CARBON DIOXIDE
Special Fire Fighting Proc: WEAR NIOSH/MSHA APPROVED SCBA & FULL
PROTECTIVE EQUIPMENT (FP N).
Unusual Fire And Expl Hazrds: NONE SPECIFIED BY MANUFACTURER.
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Reactivity Data
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Stability: YES
Cond To Avoid (Stability): NOT APPLICABLE
Materials To Avoid: CHLORINATED COMPOUNDS, OXIDIZERS
Hazardous Decomp Products: FUMES/GASES FROM WELDING/HIGH TEMP CUTTING
CANNOT BE CLASSIFIED SIMPLY. COMPOSITION/QTY OF BOTH DEPEND ON (SUPP DATA)
Hazardous Poly Occur: NO
Conditions To Avoid (Poly): NOT RELEVANT
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Health Hazard Data
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LD50-LC50 Mixture: NONE SPECIFIED BY MANUFACTURER.
Route Of Entry - Inhalation: YES
Route Of Entry - Skin: NO
Route Of Entry - Ingestion: NO
Health Haz Acute And Chronic: ACUTE:EYE IRRITATION. CHRONIC:RESPIRATORY
OVEREXPOSURE TO WELDING FUMES MAY RESULT IN DIZZINESS, NAUSEA, DRYNESS/
IRRIT OF NOSE, THROAT & EYES. CHRONIC EXCESS WELDING FUMES ABOVE PEL/TLV
MAY BE HAZARDOUS BECAUSE PRLNGD/RPTD INHALATION MAY BE HARMFUL TO
RESPIRATORY SYSTEM.
Carcinogenicity - NTP: NO
Carcinogenicity - IARC: NO
Carcinogenicity - OSHA: NO
Explanation Carcinogenicity: NOT RELEVANT
Signs/Symptoms Of Overexp: SEE HEALTH HAZARDS.
Med Cond Aggravated By Exp: NONE SPECIFIED BY MANUFACTURER.
Emergency/First Aid Proc: EYE:IMMED FLUSH WITH PLENTY OF WATER FOR AT
LEAST 15 MIN. CALL PHYS. SKIN:WASH THOROUGHLY WITH PLENTY OF WATER & SOAP.
INHAL:REMOVE TO FRESH AIR, ADMINISTER OXYGEN & CALL PHYS. INGEST:SEEK PHYS
IMMED, SHOW MSDS OR LABEL, INDUCE VOMITING.
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Precautions for Safe Handling and Use
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Steps If Matl Released/Spill: CONTAIN AND PICK-UP WASTE MATERIALS. PUT IN
A SEALED APPROVED CONTAINER.
Neutralizing Agent: NONE SPECIFIED BY MANUFACTURER.
Waste Disposal Method: DISPOSE OF WASTES IN ACCORDANCE WITH ALL FEDERAL,
STATE & LOCAL REGULATIONS.
Precautions-Handling/Storing: ARCS, SPRAKS, & FLAME MAY BE SOURCE OF IGNIT
OF COMBUST MATLS. IN CASE OF ACCIDENT OR ILLNESS, CALL MD IMMEDIATELY. SHOW
LABEL OR MSDS.
Other Precautions: KEEP OUT OF REACH O CHILDREN. KEEP ONLY IN ORIGINAL
LABELED CNTNR. ALWAYS READ/FOLLOW DIRECTIONS ON PROD LABEL. ADDTNL TECH
DATA SHEETS &/OR MSDS AVAILABLE UPON REQUEST. FOR PROFESSIONAL & INDUSTRIAL
USE ONLY.

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Control Measures
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Respiratory Protection: USE HOOD, NIOSH/MSHA APPROVED RESPIRATOR, OR SUPPLIED AIR MASK.
Ventilation: LOCAL:REQUIRED 60 FPM; MECHANICAL:REQUIRED; SPECIAL:WELDERS, ANSI Z49.1.
Protective Gloves: WELDERS PROTECTIVE GLOVES.
Eye Protection: FACE SHIELD & COLORED ABSORPTIVE LENS.
Other Protective Equipment: WELDERS LEATHER APRON, SLEEVES, AND LEGGINGS.
Work Hygienic Practices: NONE SPECIFIED BY MANUFACTURER.
Suppl. Safety & Health Data: HAZ DECOMP PROD:ALLOY BEING WELDED, PROCESS, PROCEDURES, & ELECTRODES USED. CONSTITUENTS OF FUME MAY BE DIFFERENT FROM INGRED LISTED & MAY INCLUDE PARTICLES CONTAINING IRON, MANGANESE, SILICON, CHROMIUM, NICKEL, OR OTHER AMORPHOUS SLAGS. GASES MAY INCLUDE CO, OZONE, METAL OXIDES, OR METAL FLUORIDES.

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Transportation Data
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Trans Data Review Date: 91276
DOT PSN Code: ZZZ
DOT Proper Shipping Name: NOT REGULATED BY THIS MODE OF TRANSPORTATION
IMO PSN Code: ZZZ
IMO Proper Shipping Name: NOT REGULATED FOR THIS MODE OF TRANSPORTATION
IATA PSN Code: ZZZ
IATA Proper Shipping Name: NOT REGULATED BY THIS MODE OF TRANSPORTATION
AFI PSN Code: ZZZ
AFI Prop. Shipping Name: NOT REGULATED BY THIS MODE OF TRANSPORTATION
Additional Trans Data: NOT REGULATED FOR TRANSPORTATION

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Disposal Data
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Label Data
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Label Required: YES
Technical Review Date: 19JUL91
Label Date: 03JUL91
Label Status: G
Common Name: ALUMINUM ALLOY
Chronic Hazard: YES
Signal Word: WARNING!
Acute Health Hazard-Moderate: X
Contact Hazard-Slight: X
Fire Hazard-None: X
Reactivity Hazard-None: X
Special Hazard Precautions: ACUTE:CAUSES EYE AND RESPIRATORY TRACT IRRITATION. AVOID CONTACT WITH EYES, SKIN AND CLOTHING. AVOID BREATHING FUME. USE ONLY WITH ADEQUATE VENTILATION. WASH THOROUGHLY AFTER HANDLING. CHRONIC:TARGET ORGANS:EYES, RESPIRATORY SYSTEM.
Protect Eye: Y
Protect Skin: Y
Protect Respiratory: Y
Label Name: CERTANIUM ALLOYS & RESEARCH CO
Label Street: 4500 EUCLID AVENUE
Label City: CLEVELAND
Label State: OH

Label Zip Code: 44103

Label Country: US

Label Emergency Number: 216-391-8300