

CERTANIUM 70 F, 14270

MSDS Number

BLBVQ

National Stock Number

9510-00N016827

Product Name

CERTANIUM 70 F, 14270

Manufacturer

CERTANIUM ALLOYS AND RESEARCH CO

Product Identification

Product ID: CERTANIUM 70 F, 14270

MSDS Date: 01/27/1990

FSC: 9510

NIIN: 00N016827

MSDS Number: BLBVQ

Responsible Party

CERTANIUM ALLOYS & RESEARCH CO

4500 EUCLID AVENUE

CLEVELAND , OH 44103-1395

US

Emergency Phone: 216-391-8300

Info Phone: 216-391-8300

Preparer: MB

Cage: 61404

Contractor

CERTANIUM ALLOYS & RESEARCH CO

CLEVELAND, OH 44103-1395

US

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Cage: 61404

Ingredients

COPPER (SARA III)

CAS: 7440-50-8

RTECS: GL5325000

Fraction By Weight: 30-60%

OSHA PEL 0.1MG/M3 FUME/1 DUST

ACGIH TLV: 0.2MG/M3 FUME; 9192

EPA Report Quantity: 5000 LBS

DOT Report Quantity: 5000 LBS

ZINC (SARA III)

CAS: 7440-66-6

RTECS: ZG8600000

Fraction By Weight: 30-60%
OSHA PEL10 MG ZNO/M3
ACGIH TLV: 10 MG ZNO/M3; 9192
EPA Report Quantity: 1000 LBS
DOT Report Quantity: 1000 LBS

SILICA, CRYSTALLINE - FUSED
CAS: 60676-86-0
RTECS: VV7328000
Fraction By Weight: 0.01-1%
OSHA PELSEE TABLE Z3
ACGIH TLV: 0.1 MG/M3 RDUST;9293

BORIC ACID, DISODIUM SALT (BORATES) (ANHYDROUS)
CAS: 1330-43-4
RTECS: ED4588000
Fraction By Weight: > 50%
OSHA PEL10 MG/M3
ACGIH TLV: 1 MG/M3

TOLUENE (SARA III)
CAS: 108-88-3
RTECS: XS5250000
Fraction By Weight: 1-10%
OSHA PEL200 PPM/150 STEL
ACGIH TLV: 50 PPM; 9293
EPA Report Quantity: 1000 LBS
DOT Report Quantity: 1000 LBS

GASES WHICH MAY BE FOUND IN THE WELDING OR HIGH
RTECS: 9999999ZZ

AVOID PRLNG CONTACT WITH SKIN. DO NOT TAKE
RTECS: 9999999ZZ

FROM FOOD, DRINK & ANIMAL FEEDS. IN CASE OF
RTECS: 9999999ZZ

LISTED IN SARA TITLE III, SEC 313.
RTECS: 9999999ZZ

NICKEL (SARA III)

CAS: 7440-02-0

RTECS: QR5950000

Fraction By Weight: 10-30%

OSHA PEL1 MG/M3

ACGIH TLV: 1 MG/M3; 9192

Hazards

LD50 LC50 Mixture:LD50: (ORAL,GPIG) > 5 MG/KG

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

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

Health Hazards Acute and Chronic:ACUTE: EYE IRRIT CHRONIC: RESPIRATORY OVEREXPOSURE TO WELDING FUMES MAY RESULT IN DIZZINESS, NAUSEA, OR DRYNESS OR IRRIT OF NOSE, THROAT, & EYES. CHRONIC EXCESS WELDING FUMES ABOVE PEL OR TLV MAY BE H AZARDOUS BECAUSE PROLONGED & REPEATED INHALATION MAY BE HARMFUL TO RESPIRATORY SYSTEM. HARMFUL OR FATAL IF SWALLOWED.

Explanation of Carcinogenicity:NICKEL: CLASS 1 (IARC). CLASS 2 (NTP).

CRYSTALLINE SILICA:CLASS 2A (IARC).

Effects of Overexposure:SEE HEALTH HAZARDS.

Medical Cond Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER.

First Aid

First Aid:EYE: IMMEDIATELY FLUSH WITH PLENTY OF WATER FOR AT LEAST 15 MIN & CALL PHYSICIAN. SKIN: WASH THOROUGHLY WITH PLENTY OF WATER & SOAP. INHAL: IF AFFECTED, REMOVE TO FRESH AIR, ADMINISTER OXYGEN & CALL P HYSICIAN. INGEST: SEEK PHYSICIAN IMMEDIATELY, SHOW MSDS OR LABEL, INDUCE VOMITING.

Fire Fighting

Extinguishing Media:WATER/FOG/DRY CHEMICAL/CARBON DIOXIDE

Fire Fighting Procedures:FIREFIGHTER SHOULD WEAR NIOSH/MSHA APPROVED SCBA AND FULL PROTECTIVE EQUIPMENT .

Unusual Fire/Explosion Hazard:NOT APPLICABLE.

Accidental Release

Spill Release Procedures:CONTAIN AND PICK UP WASTE MATERIALS. PUT IN A SEALED APPROVED CONTAINER. LISTED IN SARA TITLE III, SEC 304 AND 313. REPORTABLE QUANTITIY 333 LBS.

Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

Handling

Handling and Storage Precautions:ARCS, SPARKS, & FLAME MAY BE A SOURCE OF IGNIT OF COMBUST MATLS. AVOID PRLNG/RPTD BRTHNG OF GAS, FUMES. IF VENT IS INADEQ, WEAR RESP EQUIP.(INGRED 8)

Other Precautions:KEEP OUT OF REACH OF CHILDREN. KEEP ONLY IN ORIGINAL LABELED CONTAINERS. ALWAYS READ & FOLLOW DIRECTIONS ON PRODUCT LABEL. ADDTN TECH DATA SHEETS &/OR MSDS ARE AVAILABLE UPON REQUEST. FOR PROFESSIONAL AND INDUSTRIAL USE ONLY.

Exposure Controls

Respiratory Protection:USE NIOSH/MSHA APPROVED HOOD, RESPIRATOR, OR SUPPLIED AIR MASK.

Ventilation:LOCAL & MECHANICAL EXHAUST REQUIRED. SPECIAL WELDERS, ANSI Z49.1.

Protective Gloves:WELDERS PROTECTIVE GLOVES.

Eye Protection:FACESHIELD/COLOR ABSOPTIVE LENS

Other Protective Equipment:WELDERS LEATHER APRONS, SLEEVES, AND LEGGINGS.

Work Hygienic Practices:NONE SPECIFIED BY MANUFACTURER.

Supplemental Safety and Health

HAZ DECOMP PROD: OF BOTH DEPEND ON THE ALLOY BEING WELDED, PROCESS, PROC, & ELECTRODES USED. CONSTITUENTS OF FUME MAY BE DIFFERENT FROM INGRED LISTED, & MAY INCLUDE PARTICLES CNTNG IRON, MANGANESE, SI

LICON, CHROMIUM, NICKEL,,OTHER AMORPHOUS SLAGS. GASES MAY INCLUDE CO, OZONE, METAL OXIDE, & (INGRED 7)

Chemical Properties

HCC:N1

Appearance and Odor:FLUX COATED ROD, SOLID

Stability

Stability Indicator/Materials to Avoid:YES

NONE SPECIFIED BY MANUFACTURER.

Stability Condition to Avoid:NONE SPECIFIED BY MANUFACTURER.

Hazardous Decomposition Products:FUMES AND GASES FROM WELDING AND HIGH TEMP CUTTING CANNOT BE CLASSIFIED SIMPLY. THE COMPOSITION AND QUANTITY.(SUPP DATA)

Disposal

Waste Disposal Methods:DISPOSE OF WASTES IN ACCORDANCE WITH FEDERAL, STATE & LOCAL REGULATIONS.

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