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## **CERTANIUM HEAT SHIELD, 16003**

### **MSDS Number**

BLBPB

### **National Stock Number**

7920-00N016329

### **Product Name**

CERTANIUM HEAT SHIELD, 16003

### **Manufacturer**

CERTANIUM ALLOYS AND RESEARCH CO

### **Product Identification**

Product ID: CERTANIUM HEAT SHIELD, 16003

MSDS Date: 09/06/1988

FSC: 7920

NIIN: 00N016329

MSDS Number: BLBPB

### **Responsible Party**

CERTANIUM ALLOYS & RESEARCH CO

4500 EUCLID AVENUE

CLEVELAND, OH 44103

US

Emergency Phone: 216-391-8300

Info Phone: 216-391-8300

Preparer: DS

Cage: 61404

### **Contractor**

CERTANIUM ALLOYS & RESEARCH CO

CLEVELAND, OH 44103-1395

US

216-391-8300

Cage: 61404

### **Ingredients**

ALUMINUM SILICATE

CAS: 12068-56-3

Fraction By Weight: 1-5%

ACGIH TLV: 5 MG/M3 (MFR)

CELLULOSE (PAPER FIBER)

CAS: 9004-34-6

RTECS: FJ5691460

Fraction By Weight: 10-30%

OSHA PEL15 MG/M3 TDUST

ACGIH TLV: 10 MG/M3; 9192



TITANIUM DIOXIDE

CAS: 13463-67-7

RTECS: XR2275000

Fraction By Weight: 1-5%

OSHA PEL15 MG/M3 TDUST

ACGIH TLV: 10 MG/M3 TDUST; 9293

CELLULOSE, 2-HYDROXYETHYL ETHER (HYDROXY ETHYL CELLULOSE)

CAS: 9004-62-0

RTECS: FJ5958000

Fraction By Weight: 10-30%

ACGIH TLV: 10 MG/M3 (MFR)

SODIUM TETRABORATE, DECAHYDRATE

CAS: 1303-96-4

RTECS: VZ2275000

Fraction By Weight: 1-5%

OSHA PEL10 MG/M3

ACGIH TLV: 5 MG/M3; 9192

SEE ORIGINAL MSDS FOR MG/M3 EXPOSURE LIMITS

RTECS: 9999999ZZ

THE WELDING OR HIGH TEMPERATURE CUTTING ENVIRONMENT.

RTECS: 9999999ZZ

## Hazards

LD50 LC50 Mixture:NONE SPECIFIED BY MANUFACTURER.

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

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

Health Hazards Acute and Chronic:ACUTE: IRRITATION CHRONIC: CNS,  
STOMACH. EYE/SKIN: MAY CAUSE IRRITATION. INGEST: HARMFUL IF  
SWALLOWED.

Explanation of Carcinogenicity:NOT RELEVANT

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. INGEST: SEEK PHYSICIAN IMMEDIATELY, SHOW MSDS OR LABEL,  
INDUCE VOMITING.

## Fire Fighting

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

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

## Accidental Release

Spill Release Procedures:CONTAIN AND PICK UP WASTE MATERIALS. PUT IN A  
SEALED NIOSH/MSHA APPROVED CONTAINER. DISPOSE OF AS A NON-HAZARDOUS



WASTE.  
Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

## Handling

Handling and Storage Precautions:USE IN WELL VENT AREA. AVOID CONTACT W/EYES/SKIN. POISON KEEP FROM FRZNG. DO NOT TAKE INTERNALLY. IN CASE OF ACCIDENT/ILLNESS, SEE MD. SHOW MSDS LABEL.  
Other Precautions:WASH HANDS THOROUGHLY AFTER HANDLING. KEEP OUT OF REACH OF CHILDREN. ADDITIONAL TECHNICAL DATA SHEETS AND/OR MATERIAL SAFETY DATA SHEETS (MSDS) ARE AVAILABLE UPON REQUEST. FOR PROFESSIONAL AND INDUSTRIAL USE ONLY.

## Exposure Controls

Respiratory Protection:NIOSH/MSHA APPROVED RESPIRATOR APPROPRIATE FOR EXPOSURE OF CONCERN .  
Ventilation:LOCAL/MECHANICAL REQUIRED TO KEEP CONCENTRATIONS BELOW EXPOSURE LIMITS. TLV AND PEL: 2.5 MG/M3  
Protective Gloves:WELDERS GLOVES.  
Eye Protection:CHEMICAL WORKERS GOGGLES .  
Other Protective Equipment:EYE/FACE PROTECTION AND COLORED ABSORPTIVE LENS. WELDERS LEATHER APRON SLEEVES, AND LEGGINGS.  
Work Hygienic Practices:NONE SPECIFIED BY MANUFACTURER.  
Supplemental Safety and Health  
HAZ DECOMP PROD:QUALITY OF BOTH DEPEND ON ALLOY BEING WELDED, THE PROCESS, PROC, & ELECTRODES USED. CONSTITUENTS OF FUME MAY BE DIFFERENT FROM INGRED, & MAY INCLUDE PARTICLES CNTNG IRON, MANGANESE, SILICON, CHROMIUM, NICKEL, & OTHER AMORPHOUS SLAGS. GASES MAY INCLUDE CO, OZONE, METAL OXIDES, METAL FLUORIDES.(ING 6)

## Chemical Properties

HCC:N1  
Boiling Pt:B.P. Text:212 F/100 C  
Vapor Pres:22  
Vapor Density:0.6  
Spec Gravity:1.07  
pH:8.7  
Evaporation Rate & Reference:1 (WATER=1)  
Solubility in Water:75%  
Appearance and Odor:BLUE PASTE WITH MILD ODOR.  
Percent Volatiles by Volume:20-40

## Stability

Stability Indicator/Materials to Avoid:YES  
NONE SPECIFIED BY MANUFACTURER.  
Stability Condition to Avoid:KEEP FROM FREEZING.  
Hazardous Decomposition Products:FUMES & GASES FROM WELDING & HIGH TEMPERATURE CUTTING CANNOT BE CLASSIFIED SIMPLY. THE COMPOSITION & (SEE SUPP DATA).

## Disposal

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

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