View NSN Online: https://aerobasegroup.kr/nsn/3439-01-249-4451

## CERTANIUM ALLOYS & RESEARCH CO -- HEAT SHIELD 10 LBS -- 3439-01-249-4451

Product ID:HEAT SHIELD 10 LBS

MSDS Date:11/20/1991

FSC:3439

NIIN:01-249-4451

MSDS Number: BPBQF === Responsible Party ===

Company Name: CERTANIUM ALLOYS & RESEARCH CO

Address:4500 EUCLID AVENUE

City:CLEVELAND

State:OH

ZIP:44103-1395

Country:US

Info Phone Num:216-391-8300

Emergency Phone Num:2

16-391-8300

CAGE:61404

=== Contractor Identification ===

Company Name: CERTANIUM ALLOYS & RESEARCH CO

Address:4500 EUCLID AVENUE

Box:City:CLEVELAND

State:OH

ZIP:44103-1395

Country:US

Phone:216-391-8300

CAGE:61404

Company Name: S & M DISTRIBUTORS INC

Address:302 DOGWOOD CIR

Box:City:SUMMERVILLE

State:SC ZIP:29483 Country:US

Phone:803-871-3210

CAGE:0BZ67

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

Ingred Name:A-(HYDROXYMETHYLAMINO)ETHANOL (COSAN 91)/2-HYDROXYMETHYL AM

INO ETHANOL CAS:34375-28-5

Fraction by Wt: 3 - 3%

Other REC Limits: NONE RECOMMENDED

Ingred Name: TETRAPOTASSIUM PYROPHOSPHATE

CAS:7320-34-5 RTECS #:JL6735000

Other REC Limits: NONE RECOMMENDED

Ingred Name: CELLULOSE (PAPER FIBER)

CAS:9004-34-6

RTECS #:FJ5691460

Other REC Limits: NONE RECOMMENDED

OSHA PEL:15 MG/M3 TDUST ACGIH TLV:10 MG/M3; 9293

Ingred Name:TITANIUM DIOXIDE

CAS:13463-67-7 RTECS #:XR2275000 Fraction by Wt: 0.1 - 1%

Other REC Limits: NONE RECOMMENDED

OSHA PEL:15 MG/M3 TDUST

**ACGIH TLV:** 

10 MG/M3 TDUST; 9293

Ingred Name: HYDRATED METAL SILICATE/HYDRATED ALUMINUM MAGNESIUM

**SILICATE** 

Fraction by Wt: 3 - 5%

Other REC Limits: NONE RECOMMENDED

Ingred Name:WATER

CAS:7732-18-5

RTECS #:ZC0110000

Other REC Limits: NONE RECOMMENDED

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

LD50 LC50 Mixture:ORAL LD50 (RAT) IS UNKNOWN.
Routes of Entry: Inhalation:YES Skin:YES Ingestion:NO
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO

Health Hazards Acute and Chronic:



Handling and Storage Precautions:STORAGE- KEEP MATERIAL IN CLOSED CONTAINERS AWAY FROM STRONG OXIDIZERS & ACIDS. KEEP FROM FREEZING. Other Precautions:POISON! DO NOT TAKE INTERNALLY. NO FOOD/SMOKING IN WORK AREAS. WASH THOROUGHLY AFTER HANDLING. AVOID BREATHING FUMES AND VAPORS. DO NOT GET IN EYES, ON SKIN OR ON CLOTHING. KEEP AWAY FROM REACH OF CHI LDREN. USE ONLY IN WEL

## L VENTILATED AREAS

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

Respiratory Protection: USE RESPIRABLE FUME RESPIRATOR OR AIR SUPPLIED RESPIRATOR WHEN WELDING, BRAZING OR SOLDERING IN CONFINED SPACE OR WHERE LOCAL EXHAUST OR VENTILATION DOES NOT KEEP EXPOSURE BELOW PEL, TLV OR STEL OR US E AN APPROVED HOOD.

Ventilation: LOCAL EXHAUST AND GENERAL VENTILATION ARE REQUIRED.

Protective Gloves:WELDER'S GLOVE

Eye Protection: PROTECTIVE FACE SHIELD

Other Protective Equ

ipment:EYE WASH STATION, APRONS, HATS, ARM &

SHOULDER PROTECTION, AS WELL AS DARK SUBSTANTIAL CLOTHING.

Work Hygienic Practices:WEAR HEAD AND BODY PROTECTION WHICH HELP TO PREVENT INJURY FROM RADIATION, SPARKS AND ELECTRICAL SHOCK.

Supplemental Safety and Health

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

HCC:N1

Boiling Pt:B.P. Text:212F,100C

Melt/Freeze Pt:M.P/F.P Text:32.0F,0.0C

Vapor Pres:22 Vapor Density:0.6 Spec Gravity:1.07

pH:8.7

Evaporation Rate & Department of the Revenue of the

Appearance and Odor: ORANGE PASTE WITH MILD ODOR

Percent Volatiles by Volume:81

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

Stability Indicator/Materials to Avoid:YES STRONG OXIDIZING AGENTS AND ACIDS Stability Condition to Avoid:FIRE

Hazardous Decomposition Products:METAL OXIDES. DECOMPOSITION PRODUCTS INCLUDE THOSE ORIGINIATING FROM INGREDIENTS + THOSE FROM THE BASE METAL & COATING.

====== Dispos

al Considerations =========

Waste Disposal Methods:DISPOSE OF AS A NON-HAZARDOUS WASTE. OBSERVE ALL FEDERAL, STATE AND LOCAL REGULATIONS.

Disclaimer (provided with this information by the compiling agencies): This information is formulated for use by elements of the Department of Defense. The United States of America in no manner whatsoever, expressly or implied, warrants this information to be accurate and disclaims all liability for its use. Any person utilizing this

document should seek competent professional advice to verify and assume responsibility for the suitability of this information to their particular situation.