

BIOBOND II CERAMIC BONDING ALLOY 9456642

MSDS Number

BHSYX

National Stock Number

6520-00F010656

Product Name

BIOBOND II CERAMIC BONDING ALLOY 9456642

Manufacturer

DENTSPLY YORK DIV

Product Identification

Product ID: BIOBOND II CERAMIC BONDING ALLOY 9456642

MSDS Date: 12/11/1987

FSC: 6520

NIIN: 00F010656

MSDS Number: BHSYX

Responsible Party

DENTSPLY/YORK DIVISION

570 W. COLLEGE AVENUE

YORK, PA 17405

Emergency Phone: (717) 845-7511

Info Phone: (717) 845-7511

Preparer: ARTHUR P. BURNETT

Cage: 16969

Contractor

DENTSPLY/YORK DIV/TRUBYTE DIV

872

YORK, PA 17405-0872

US

717-845-7511

Cage: 16969

Ingredients

NICKEL (SARA III)

CAS: 7440-02-0

RTECS: QR5950000

Fraction By Weight: 80%

OSHA PEL1 MG/M3

ACGIH TLV: 1 MG/M3; 9192

CHROMIUM (SARA III)

CAS: 7440-47-3

RTECS: GB4200000

Fraction By Weight: 15%

OSHA PEL1 MG/M3

ACGIH TLV: 0.5 MG/M3; 9192

EPA Report Quantity: 1 LB

DOT Report Quantity: 1 LB

VANADIUM (SARA III)

CAS: 7440-62-2

RTECS: YW1355000

Fraction By Weight:

OSHA PELC,0.5 MG V2O5/M3 RD

ACGIH TLV: 0.05 MG V2O5/M3;9293

BERYLLIUM (SARA III)

CAS: 7440-41-7

RTECS: DS1750000

Fraction By Weight:

OSHA PEL2 UG/M3

ACGIH TLV: 0.002PPM; A2; 9293

Hazards

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

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

Health Hazards Acute and Chronic:INHALATION: HIGH CONCENTRATIONS DUSTS

MAY CAUSE IRRITATION OF THE THROAT & PULMONARY DISEASE. SKIN:

SENSITIVITY, DERMATITIS & BURNS.

Explanation of Carcinogenicity:NONE

Effects of Overexposure:INHALATION: IN HIGH CONCENTRATIONS DUSTS MAY

CAUSE IRRITATION OF THE THROAT & CHRONIC PULMONARY DISEASE. SKIN:

SENSITIVITY, DERMATITIS & BURNS.

Medical Cond Aggravated by Exposure:SENSITIVITY & DERMATITIS

First Aid

First Aid:INHALATION: CONTACT PHYSICIAN. SKIN: EYES: FLUSH W/WATER.

Fire Fighting

Fire Fighting Procedures:NONE

Unusual Fire/Explosion Hazard:NONE

Accidental Release

Spill Release Procedures:NO SPECIAL PROCEDURES REQUIRED.

Handling

Handling and Storage Precautions:THIS MATERIAL SHOULD BE HANDLED & USED
IN A MANNER CONSISTENT W/THE PRODUCT INSTRUCTIONS.

Other Precautions:USE PROTECTIVE EQUIPMENT WHEN MELTING, CUTTING &
GRINDING.

Exposure Controls

Respiratory Protection:IN DUSTY AREAS USE NIOSH APPROVED SCHEDULE 21C
RESPIRATOR.

Ventilation:LOCAL EXHAUST

Protective Gloves:DURING MELTING TO PREVENT BURNS

Eye Protection:DETERMINED BY OPERATION

Supplemental Safety and Health

Chemical Properties

Melt/Freeze Pt:M.P/F.P Text:2175F

Spec Gravity:7.81
Solubility in Water:NEGLIGIBLE
Appearance and Odor:SILVERY METALLIC APPEARANCE W/NO ODOR

Stability

Stability Indicator/Materials to Avoid:YES
MINERAL ACIDS
Stability Condition to Avoid:NONE
Hazardous Decomposition Products:HYDROGEN

Disposal

Waste Disposal Methods:NO SPECIAL PRECAUTIONS ARE REQUIRED AS
BERYLLIUM-NICKEL ALLOYS ARE NOT CLASSIFIED AS HAZARDOUS WASTE UNDER
THE RESOURCE CONSERVATIONS & RECOVERY ACT. DISPOSE OF WASTE IN
ACCORDANCE W/FEDERAL, STATE, & LOCAL REGULATIONS.

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