

BIOBOND 1750 (VF) ADD-ON PORCELAIN

MSDS Number

BJCBN

National Stock Number

6520-00F012264

Product Name

BIOBOND 1750 (VF) ADD-ON PORCELAIN

Manufacturer

DENTSPLY INTERNATIONAL INC

Product Identification

Product ID: BIOBOND 1750 (VF) ADD-ON PORCELAIN

MSDS Date: 11/11/1985

FSC: 6520

NIIN: 00F012264

MSDS Number: BJCBN

Responsible Party

DENTSPLY/INTERNATIONAL INC.

570 WEST COLLEGE AVENUE

YORK, PA 17405

Emergency Phone: (717) 845-7511

Info Phone: (717) 845-7511

Preparer: ROGER C. SHUE

Cage: FO582

Contractor

DENTSPLY/YORK DIV/TRUBYTE DIV

872

YORK, PA 17405-0872

US

717-845-7511

Cage: 16969

Ingredients

MAGNESIUM OXIDE

CAS: 1309-48-4

RTECS: OM3850000

Fraction By Weight: TRACE

OSHA PEL15 MG/M3 PARTICULATE

ACGIH TLV: 10 MG/M3;TDUST; 9293

PHOSPHORUS PENTOXIDE (SARA III)

CAS: 1314-56-3

RTECS: TH3945000

Fraction By Weight: TRACE

ZINC OXIDE

CAS: 1314-13-2

RTECS: ZH4810000

Fraction By Weight: TRACE

OSHA PEL15MG/M3 TDUST/5 FUME

ACGIH TLV: 10MG/M3 TDUST; 9293

ZIRCONIUM DIOXIDE

CAS: 7440-67-2

Fraction By Weight: TRACE

CERIUM OXIDE

CAS: 1306-38-3

Fraction By Weight: TRACE

LITHIUM OXIDE

CAS: 12057-24-8

Fraction By Weight: TRACE

PIGMENT

Fraction By Weight: 1.0-2.4%

POTASSIUM ALUMINUM SILICATE (FELDSPAR)

CAS: 68476-25-5

QUARTZ, SILICON DIOXIDE

CAS: 14808-60-7

RTECS: VV7330000

Fraction By Weight: 61.8%

OSHA PEL10 MG/CUM RESP

ACGIH TLV: 10 MG/CUM DUST

ALPHA-ALUMINA (ALUMINUM OXIDE) (EPA LISTS ONLY FIBROUS

CAS: 1344-28-1

RTECS: BD1200000

Fraction By Weight: 15.9%

OSHA PEL15 MG/M3 TDUST

ACGIH TLV: 10 MG/M3 TDUST; 9293

POTASSIUM OXIDE

CAS: 12136-45-7

RTECS: TT3790000

Fraction By Weight: 10.5%

SODIUM OXIDE

CAS: 12401-86-4

RTECS: WC4800000

Fraction By Weight: 5.9%

BARIUM OXIDE

CAS: 1304-28-5

RTECS: CQ9800000

Fraction By Weight: 1.8%

CALCIUM OXIDE

CAS: 1305-78-8

RTECS: EW3100000

Fraction By Weight: 0.7%

OSHA PEL5 MG/M3

ACGIH TLV: 2 MG/M3; 9192

BORON OXIDE

CAS: 1303-86-2

RTECS: ED7900000

Fraction By Weight: 0.7%

OSHA PEL15 MG/M3 TDUST

ACGIH TLV: 10 MG/M3; 9293

FLUOROSILICATE

CAS: 17084-08-1

RTECS: VV7790000

Fraction By Weight: TRACE

Hazards

Routes of Entry: Inhalation:YES Skin:NO Ingestion:NO
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:INHALATION: GLASSY POWDERED MATERIAL CARRIES WITH IT THE DANGER OF POSSIBLE SILICEOUS-LIKE EFFECTS.
Explanation of Carcinogenicity:NONE
Effects of Overexposure:INHALATION: GLASSY POWDERED MATERIAL CARRIES WITH IT THE DANGER OF POSSIBLE SILICEOUS-LIKE EFFECTS.

First Aid

First Aid:EYES: FLUSH W/COPIOUS AMOUNTS OF TEPID WATER. IF IRRITATION PERSISTS, CONTACT PHYSICIAN. INHALATION: REMOVE TO FRESH AIR. CONTACT PHYSICIAN.

Fire Fighting

Fire Fighting Procedures:NORMAL FIRE FIGHTING PROCEDURES MAY BE USED.

Accidental Release

Spill Release Procedures:NORMAL SWEEP-UP PROCEDURES. USE A DUST/MIST RESPIRATOR.

Handling

Handling and Storage Precautions:AVOID BODILY CONTACT W/MATERIAL AT FUSION TEMPERATURE 1650F. NORMAL CARE SHOULD BE TAKEN NOT TO INHALE ANY DUSTY COMMERCIAL PRODUCT.

Other Precautions:MATERIAL SHOULD BE USED PER MANUFACTURER'S INSTRUCTIONS ONLY.

Exposure Controls

Respiratory Protection:WEAR A DUST/MIST RESPIRATOR WHEN GRINDING.

Ventilation:LOCAL EXHAUST: VACUUM

Eye Protection:SAFETY GLASSES

Supplemental Safety and Health

TYPICALLY A GLASSY MATRIX FELDSPATHIC AGGREGATE CERAMIC COMPOSITE.

Chemical Properties

Spec Gravity:2.6

Solubility in Water:NEGLIGIBLE

Appearance and Odor:WHITE POWDER W/NO ODOR

Stability

Stability Indicator/Materials to Avoid:YES

HYDROFLUORIC ACID

Disposal

Waste Disposal Methods:INCINERATE OR BURY IN ACCORDANCE W/FEDERAL, STATE, & LOCAL REGULATIONS. THIS PRODUCT AS SHIPPED IS NOT A HAZARDOUS WASTE UNDER PRESENT FDA REGULATIONS.

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