

MINNESOTA MINING AND MFG CO DENTAL PRODUCTS DIV -- 3M FILTEK Z250 UNIVERSAL RESTORATIVE PASTE -- 6520-01-303-7789

===== Product Identification =====

Product ID:3M FILTEK Z250 UNIVERSAL RESTORATIVE PASTE

MSDS Date:03/03/2000

FSC:6520

NIIN:01-303-7789

Status Code:A

MSDS Number: CLCDZ

=== Responsible Party ===

Company Name:MINNESOTA MINING AND MFG CO DENTAL PRODUCTS DIV

Address:3M CENTER

City:ST PA

UL

State:MN

ZIP:55144-1000

Country:US

Info Phone Num:800-364-3577/651-737-6501

Emergency Phone Num:(800)424-9300

Chemtrec Ind/Phone:(800)424-9300

CAGE:0K0U5

=== Contractor Identification ===

Company Name:MINNESOTA MINING AND MFG CO, DBA 3M

Address:3M CENTER BLDG 224-5S-04

Box:City:SAINT PAUL

State:MN

ZIP:55144-1000

Country:US

Phone:866-556 5712 / 612-733-1110

CAGE:76381

Company Name:MINNESOTA MINING AND MFG CO DENTAL PRODUCTS DIV

Address:3M CENTER

Box:City:SAINT PAUL

State:MN

ZIP:55144-1000

Cou

ntry:US

Phone:800-364-3577/651-737-6501

CAGE:0K0U5

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

Ingred Name:SILICA

CAS:7631-86-9

Minumum % Wt:55.

Maxumum % Wt:65.

OSHA PEL:NONE

ACGIH TLV:NONE

Ingred Name:ZIRCONIUM OXIDE

CAS:1314-23-4

RTECS #:ZH8800000

Minumum % Wt:15.

Maxumum % Wt:25.

OSHA PEL:5 MG/M3 (ZR)

OSHA STEL:10 MG/M3 (ZR)

A PEL:NONE  
ACGIH TLV:NONE

Ingred Name:11,14-DIOXA-2,9-DIAZAHEPTADEC-16-ENOIC ACID-,  
4,4,6,16-TETRAMETHYL-10,15-DIOXO-,2-[(2-METHYL-1-OXO-2-PROPENYL)OXY  
JETHYL ESTER  
CAS:41137-60-4  
Minumum % Wt:3.  
Maxumum % Wt:8.  
OSHA PEL:NONE  
ACGIH TLV:NONE

Ingred Name:BISPHENOL A DIGLYCIDYL ETHER DIMETHACRYLATE  
CAS:1565-94-2  
RTECS #:UD3438000  
Minumum % Wt:2.  
Maxumum % Wt:6.  
OSHA PEL:NONE  
ACGIH TLV:NONE

Ingred Name:METHACRYLOXYPROPYLTRIMETHOXYSILANE  
CAS:2530-85-0  
RTECS #:UC0230000  
Minumum % Wt:2.  
Maxu  
mum % Wt:6.  
OSHA PEL:NONE  
ACGIH TLV:NONE

Ingred Name:ALUMINUM OXIDE  
CAS:1344-28-1  
RTECS #:BD1200000  
Minumum % Wt:.5  
Maxumum % Wt:1.5  
OSHA PEL:10 MG/M3  
ACGIH TLV:10 MG/M3

Ingred Name:TRIETHYLENE GLYCOL DIMETHACRYLATE  
CAS:109-16-0  
RTECS #:OZ4100000  
Minumum % Wt:.4  
Maxumum % Wt:1.2  
OSHA PEL:NONE  
ACGIH TLV:NONE

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

LD50 LC50 Mixture:NO DATA PROVIDED BY MANUFACTURER  
Health Hazards Acute and Chronic:EYE: MILD EYE IRRITATION: SKIN:

ALLERGIC SKIN REACTION, MILD SKIN IRRITATION (AFTER PROLONGED OR REPEATED CONTACT). INHALATION: IRRITATION (UPPER RESPIRATORY). IF SWALLOWED: SWALLOWING A RELATIVELY LARGE AMOUNT OF THIS MATERIAL IS UNLIKELY TO PRODUCE SERIOUS ILLNESS OR DEATH.

Explanation of Carcinogenicity:NO DATA PROVIDED BY MANUFACTURER.

Effects of Overexposure:EYE: REDNESS, SWELLING, PAIN AND TEARING.

SKIN: REDNESS, SWELLING, BLISTERING AND ITCHING. SKIN: REDNESS, SWELLING AND ITCHING. INHALATION: SORENESS OF THE NOSE AND THROAT, COUGHING AND SNEEZING.

Medical Cond Aggravated by Exposure:NO DATA PROVIDED BY MANUFACTURER.

===== First Aid Measures =====

First Aid:EYE CONTACT: IMMEDIATELY FLUSH EYES WITH LARGE AMOUNTS OF WATER. GET IMMEDIATE MEDICAL ATTENTION. SKIN CONTACT: FLUSH SKIN WITH LARGE AMOUNTS OF WATER. IF IRRITATION PERSISTS, GET MEDICAL ATTENTION. IMMEDIATELY WASH SKIN WITH SOAP AND LARGE AMOUNTS OF WATER. REMOVE CONTAMINATED CLOTHES. WASH CONTAMINATED CLOTHES BEFORE REUSE. INHALATION: REMOVE PERSON TO FRESH AIR. IF NOT BREATHING, GIVE ARTIFICIAL RESPIRATION. IF BREATHING DIFFICULT, GIVE OXYGEN. GET IMMEDIATE MEDICAL ATTENTION. IF SWALLOWED: NO NEED FOR FIRST AID IS ANTICIPATED.

===== Fire Fighting Measures =====

Autoignition Temp:Autoignition Temp Text:N/D

Lower Limits:N/D

Upper Limits:N/D

Extinguishing Media:NON-COMBUSTIBLE. CHOOSE MATERIAL SUITABLE FOR SURROUNDING FIRE.

Fire Fighting Procedures:NOT DETERMINED.

Unusual Fire/Explosion Hazard:NOT DETERMINED.

===== Accidental Release Measures =====

Spill Release Procedures:CLEAN UP RESIDUE. PLACE IN A CLOSED CONTAINER. REFER TO OTHER SECTIONS OF THIS MSDS FOR INFORMATION REGARDING PHYSICAL AND HEALTH HAZARDS, RESPIRATORY PROTECTION, VENTILATION AND PERSONAL PROTECTIVE EQUIPMENT. CLEAN UP RESIDUE. PLACE IN A CLOSED CONTAINER.

Neutralizing Agent:NO DATA

PROVIDED BY MANUFACTURER

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===== Handling and Storage =====

Handling and Storage Precautions:STORE IN A COOL PLACE. STORE OUT OF DIRECT SUNLIGHT. KEEP CONTAINER DRY.

Other Precautions:NO DATA PROVIDED BY MANUFACTURER.

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

Respiratory Protection:NOT APPLICABLE.

Ventilation:USE IN WELL-VENTILATED AREA.

Protective Gloves:NITRILE.

Eye Protection:AVOID EYE CONTACT.

Other Protective Equipment:NO

DATA PROVIDED BY MANUFACTURER.

Work Hygienic Practices:DO NOT EAT, DRINK OR SMOKE WHEN USING THIS PRODUCT. WASH EXPOSED AREAS THOROUGHLY WITH SOAP AND WATER. WASH HANDS AFTER HANDLING AND BEFORE EATING. DO NOT INGEST.

Supplemental Safety and Health

NOTE FROM DLA-HMIS STAFF: FOR COMPLETE LISTING OF ALL ID NUMBERS/UPC

OBTAIN ORIGINAL MSDS AT:

[HTTP://PRODUCTS.3M.COM/US/MSDS/SEARCHRESULTS.JHTML](http://products.3m.com/us/msds/searchresults.jhtml)

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

HCC:N1

Melt/Freeze P

t:M.P/F.P Text:N/D

Spec Gravity:CA. 2.1 G/ML

Viscosity:CA. 300000 CPS

Evaporation Rate & Reference:NIL

Solubility in Water:N/D

Appearance and Odor:TOOTH COLORED PASTE WITH SLIGHT ACRYLATE ODOR

Percent Volatiles by Volume:N/D

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

Stability Indicator/Materials to Avoid:YES

NONE KNOWN.

Stability Condition to Avoid:STABLE

Hazardous Decomposition Products:NONE KNOWN.

Conditions to Avoid Polymerization:WILL NOT OCCUR.

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===== Toxicological Information =====

Toxicological Information:NO DATA PROVIDED BY MANUFACTURER.

===== Ecological Information =====

Ecological:NOT APPLICABLE.

===== Disposal Considerations =====

Waste Disposal Methods:DISPOSE OF WASTE PRODUCT IN A SANITARY LANDFILL.

===== MSDS Transport Information =====

Transport Information:NO DATA PROVIDED BY MANUFACTURER.

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===== Regulatory Information =====

SARA Title III Information:EPCRA HAZARD CLASS: FIRE HAZARD:NO,  
PRESSURE: NO; REACTIVITY: NO; ACUTE: YES; CHRONIC: YES.

Federal Regulatory Information:VOLATILE ORGANIC COMPOUNDS: NOT  
DETERMINED. VOC LESS H2O AND EXEMPT SOLVENTS: NOT DETERMINED. SINCE  
REGULATIONS VARY, CONSULT APPLICABLE REGULATIONS OR AUTHORITIES  
BEFORE DISPOSAL. IN THE EVEN OF AN UNCONTROLLED RELEASE QUALIFIES  
AS A REPORTABLE QUANTITY.

State Regulatory Information:NO DATA PROVIDED BY MANUFACTURER.

===== Other Information =====

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particular situation.