

ACTIO MSDS ID: 55114

View Section : 12345678910111213141516

SECTION 1: CHEMICAL PRODUCT and COMPANY IDENTIFICATION 508058

Product Name:JELTRATE Alginate Impression Material

Synonyms:JELTRATE Alginate Impression Material

CAS Number:N. A.

Manufacturer MSDS.:508058

Manufacturer Name:Dentsply/Caulk

Address: 38 West Clarke Avenue

Milford DE 19963-1805

General Use: Product Use (for Canada): Dental Impression Material

Email: <http://www.caulk.com>

Business Phone:(302) 422-4511 (8:00 AM û 4:30 PM Eastern Time)

Emergency Phone:(302) 422-4511 (8:00 AM û 4:30 PM Eastern Time)

Revision Date:09/29/06

Trade Names:JELTRATE Alginate Impression Material

Comments:Grades or Minor Variant Identities: Fast Set and Regular Set

Chemical NameAlginate Impression Material

Product Codes: 508058

NFPA

0

30

0

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SECTION 2 : COMPOSITION, INFORMATION ON INGREDIENTS508058

Ingredient NameCAS#Ingredient Percent

Silicon Dioxide -Crystalline - Cristobalite 14464-46-1< than 55 by

Weight

EC Index Number:1

Silicon Dioxide - Crystalline -Quartz14808-60-7< than 5 by Weight

EC Index Number:1

Silicon Dioxide - Amorphous - Diatomaceous Earth68556-54-9< than 30
by Weight

EC Index Number:1

Calcium Sulfate10101-41-4< than 20 by Weight

EC Index Number:1

Magnesium Oxide1309-48-4< than 7 by Weight

EC Index Number:1

Tetrasodium Pyrophosphate7722-88-5< than 3 by Weight

EC Index Number:1

Comments:Colorant Information: Fast Set Product contains D & C Red #
30 Aluminum Lake as colorant. Regular Set Product contains synthetic
Yellow Iron Oxide as colorant.

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SECTION 3 : HAZARDS IDENTIFICATION508058

Emergency Overview:Inhalation of crystalline silica has been
classified by IARC as carcinogenic for humans (Group 1). Inhalation
of crystalline silica is also a known cause of s ilicosis, a
non-cancerous lung disease caused by excessive exposure to
crystalline silica. Respirable dust from this product may contain up
to 52 % crystalline silica (Cristobalite) and up to 4% crystalline
silica (Quartz). As such, it represents a risk to the respiratory
system. Long term, unprotected exposure to dust levels in excess of:

the TLV or PEL may cause lung disease (silicosis).

Environment Hazards: Do not allow to enter sewers/ surface or ground water.

Applies to All Ingredients :

Potential Health Effects:

Eye Contact: Signs and Symptoms: Material can cause irritation. ; Single, Repeated, or Lifetime Exposure: Single ; Severity (Mild, Moderate, Severe): Moderate ; Acute and Chronic Health Effect(s): Irritation and possible corneal damage ; Target Organ(s): N. A.

Skin Contact: Signs and Symptoms: Material may be an irritant ; Single, Repeated, or Lifetime Exposure: Single & Repeated ; Severity (Mild, Moderate, Severe): Moderate ; Acute and Chronic Health Effect(s): Irritation or possible allergic response. ; Target Organ(s): N. A.

Inhalation: Signs and Symptoms: Transitory upper respiratory irritation or eye irritation. ; Single, Repeated, or Lifetime Exposure: Single & Repeated ; Severity (Mild, Moderate, Severe): Moderate ; Acute and Chronic Health Effect(s): Irritation and soreness in throat and nose. In extreme exposures some congestion may occur. Inhalation of crystalline silica has been classified by IARC as carcinogenic for humans (Group 1). Inhalation of crystalline silica is also a known cause of silicosis, a non-cancerous lung disease caused by excessive exposure to crystalline silica.

Respirable dust from this product may contain up to 52 % free crystalline silica (Cristobalite) and up to 4% crystalline silica (Quartz). As such it represents a risk to the respiratory system. Long term, unprotected exposure to dust levels in excess of the TLV or PEL may cause lung disease (silicosis). ; Target Organ(s): Lung

Ingestion: Signs and Symptoms: Material is probably not harmful if swallowed ; Single, Repeated, or Lifetime Exposure: N. A. ; Severity (Mild, Moderate, Severe): Mild ; Acute and Chronic Health Effect(s): Low order of toxicity is expected when material is ingested. ; Target Organ(s): N. A.

OSHA Designation: No, All components of this product are in compliance with the inventory listing Requirements of the U. S. Toxic Substances Control Act (TSCA) Chemical Substance Inventory.

NTP Designation: Not listed

IARC Designation: Yes Group 1

Other Potential Health Effects: Signs and Symptoms: N. A. ; Single, Repeated, or Lifetime Exposure: N. A. ; Severity (Mild, Moderate, Severe): N. A. ; Acute and Chronic Health Effect(s): N. A. ; Target Organ(s): N. A.

Aggravation of Pre-Existing Conditions: Open sores and wounds of the skin.

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SECTION 4 : FIRST AID MEASURES 508058

Eye Contact: First Aid Instructions: Rinse opened eye for several minutes under running water. If symptoms persist consult physician ; Immediate Medical Attention: N. A. ; Delayed Effects: N. A.

Skin Contact: First Aid Instructions: Immediately wash with soap and water and rinse thoroughly ; Immediate Medical Attention: N. A. ; Delayed Effects: N. A.

Inhalation: First Aid Instructions: Supply fresh air, consult physician if symptoms persist ; Immediate Medical Attention:

N. A. ; Delayed Effects: Irritation and soreness in throat and nose. In extreme exposures some congestion may occur. Inhalation of crystalline silica has been classified by IARC as carcinogenic for humans (Group1). Inhalation of crystalline silica is also a known cause of silicosis, a non-cancerous lung disease caused by excessive exposure to crystalline silica. Respirable dust from this product may contain up to 52 % free crystalline silica (Cristobalite) and up to 4% crystalline silica (Quartz). As such it represents a risk to the respiratory system. Long term, unprotected exposure to dust levels in excess of the TLV or PEL may cause lung disease (silicosis).

Ingestion:First Aid Instructions: If symptoms persist consult physician ; Immediate Medical Attention: N.A. ; Delayed Effects: Low order of toxicity is expected when material is ingested.

Note to Physicians:N. A.

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SECTION 5 : FIRE FIGHTING MEASURES508058

Flash Point:N. A.

Upper Flammable or Explosive Limit:N. A.

Lower Flammable or Explosive Limit:N. A.

Auto Ignition Temperature:N. A. Product will not autoignite.

Flammability Class:N. A.

Extinguishing Media:N. A.

Unsuitable Media:Water with full jet.

Flame Propagation in Air:Rate (for Solids) N. A.

Fire Fighting Instructions:Firefighters should wear self-contained respiratory protective devices.

Additional Information:N. A.

Unusual Fire Hazards:In common with most inorganic / organic materials, this product should be treated as a combustible dust in the finely divided and suspended state. No dangerous decomposition products known. - Product does not present an explosion hazard.

Properties Contributing to Fire IntensityN. A.

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SECTION 6 : ACCIDENTAL RELEASE MEASURES508058

Spill Cleanup Measures:Wear protective clothing and scoop up bulk material and place in a labeled plastic or metal container. Avoid gross skin contact to minimize the possibility of drying out the skin. Ensure adequate ventilation, by either natural or mechanical means to keep dust level below PEL.

Spill/Release Reporting:N. A.

Comments:Evacuation Procedures: N. A.; Special Instructions: N. A.

Containment TechniquesMaterial is a dry fluffy powder, which is colored pale yellow or pink. Store only in the original package. Keep package tightly sealed to minimize dust

generation and accumulation. The avoidance of any air contaminant is always a recommended practice. Adherence to work place ventilation standards is an assurance of general personnel health and comfort

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SECTION 7 : HANDLING and STORAGE508058

Handling:Product is intended for dental use only. Handling of this product should be by trained dental healthcare professionals only. Observe normal care for working with chemicals.

Storage:Store only in the original package. Keep package tightly sealed. Store in a dry area. Protect from exposure to direct light. Store in a cool dry area. Store away from food and beverages. Minimize dust generation and accumulation. Avoid breathing dust and contact with eyes. Return cap to canisters immediately. Close pouches immediately after use. Continue to follow all MSDS/label warnings when handling empty containers. Observe normal warehouse handling procedures. The avoidance of any air contaminant is always a recommended practice. Adherence to work place ventilation standards is an assurance of general personnel health and comfort.

Hygiene Practices:Avoid dusting when in use. Keep away from foodstuffs, beverages and feed. Immediately remove all soiled and contaminated clothing. Wash hands before breaks and at end of work. Avoid contact with the eyes and skin. Do not eat, drink or smoke when using.

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SECTION 8 : EXPOSURE CONTROLS, PERSONAL PROTECTION508058

Engineering Controls:N. A.

Ventilation System:Ensure adequate ventilation, by either natural or mechanical means to keep dust level below PEL.

Skin Protection Description:Personal Protective Equipment (PPE) for Normal Use: Protective work clothing such as lab coat. ; PPE for Emergencies: N. A.

Hand Protection Description:Personal Protective Equipment (PPE) for Normal Use: The glove material has to be impermeable and resistant to the product. ; PPE for Emergencies: N. A.

Eye/Face Protection:Personal Protective Equipment (PPE) for Normal Use: Safety Glasses ; PPE for Emergencies: N. A.

Respiratory Protection:Personal Protective Equipment (PPE) for Normal Use: Recommended NIOSH approved nuisance dust mask. <10X PEL, use 3M 9900; <100X PEL, use MSA Ultra-Twin with H filter; <200X PEL, use MSA 01-00-06 with type C supplied air unit (continuous flow mode); or equivalent. Use sufficient natural or mechanical ventilation to keep dust level below PEL. ; PPE for Emergencies: N. A.

Other Protective:N. A.

Protective Measures During Repair and Maintenance of Contaminated EquipmentN. A.

Ingredient Guidelines

Ingredient: Calcium Sulfate
Guideline Information:10 mg/M3
Ingredient: Magnesium Oxide
Guideline Information:10 mg/M3
Ingredient: Silicon Dioxide - Amorphous - Diatomaceous Earth
Guideline Information:0.1 mg/M3
Ingredient: Silicon Dioxide - Crystalline -Quartz
Guideline Information:0.05 mg/M3
Ingredient: Silicon Dioxide -Crystalline - Cristobalite
Guideline Information:0.05 mg/M3
Ingredient: Tetrasodium Pyrophosphate
Guideline Information:5 mg/M3

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SECTION 9 : PHYSICAL and CHEMICAL PROPERTIES508058

Physical State/Appearance:Dry fluffy powder. May be colored pale yellow or pink.
Odor:Spearmint odor.
Physical State:Dry fluffy powder.
pH:N. A.
Vapor Pressure:N. A. (mm Hg)
Vapor Density:N. A. (AIR=1)
Melting Point:N. A.
Solubility in Water:Partially soluble
Specific Gravity:0.3 g/cm 3
Evaporation Point:N. A. (Butyl Acetate =1)
Other:N. A.

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SECTION 10 : STABILITY and REACTIVITY508058

Chemical Stability:Stable
Conditions to Avoid:Hazardous Polymerization: None known ;
Stability: None known
Incompatibilities with Other Materials:Hydrofluoric Acid.
Hazardous Polymerization:May Not Occur
Hazardous Decomposition Products:No dangerous decomposition products known if used according to Directions for Use. (DFU).

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SECTION 11 : TOXICOLOGICAL INFORMATION508058

Toxicological Paragraph:Toxicity Data, Epidemiology Studies, Carcinogenicity, Neurological Effects, Genetic Effects, Reproductive Effects, or Structure Activity Data: Inhalation of crystalline silica has been classified by IARC as carcinogenic for humans (Group1). Inhalation of crystalline silica is also a known cause of silicosis, a non-cancerous lung disease caused by excessive exposure to crystalline silica. Respirable dust from this product may contain up to 52

% free crystalline silica (Cristobalite). As such it represents a risk to the respiratory system. Long term, unprotected exposure to dust levels in excess of the TLV or PEL may cause lung disease (silicosis). The dry product may irritate the skin by drying it out.

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SECTION 12 : ECOLOGICAL INFORMATION508058

Ecological Paragraph: Toxicity Data, Environmental Fate, Physical/Chemical Data, or other Data Supporting Environmental Hazard Statements: Water Hazard class1 (Self-assessment): slightly hazardous for water. Do not allow undiluted product or large quantities of it to reach ground water, water streams or sewage system.

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SECTION 13 : DISPOSAL CONSIDERATIONS508058

Waste Disposal: Dispose of material as solid waste in a closed container. Dispose of in accordance with Federal, State and Local regulations. Vacuum clean dust with equipment fitted with a HEPA filter. Use dust suppression such as water if sweeping is necessary. Sweep up spilled material and place in closed containers for disposal. Properties (Physical/Chemical) Affecting Disposal: Dispose of material as solid waste in a closed container.

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SECTION 14 : TRANSPORT INFORMATION508058

DOT Shipping Information: Other: N. A.
DOT Shipping Name: Not Regulated
DOT UN Number: N. A.
DOT Hazard Class: N. A.
DOT Packing Group: N. A.
DOT Subpart E Labeling Requirement: DOT Labels Required (49CFR172.101): N/A
IMO: IMDG Hazard Labels Required: N/A
IMO Shipping Name: Not Regulated
IMO Hazard Class: N/A
IMO UN Number: N/A
IATA: IATA Hazard Labels Required: N/A
IATA Shipping Name: Not Regulated
IATA Hazard Class: N/A
IATA UN Number: N/A
Comments: Do Changes in Quantities, packaging, or shipment

method change product classification? No

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SECTION 15 : REGULATORY INFORMATION508058

Applies to all ingredients:

TSCA 8(b): Inventory Status:All of the components of this product are listed on the TSCA inventory.

CERCLA Section 103:This product is not subject to CERCLA reporting requirements. Many states have more stringent release reporting requirements. Report spills required under federal, state and local regulations

Section 302:None

Section 313 Toxic Release Form:This product contains the following chemicals subject to Annual Release Reporting Requirements Under SARA Title III, Section 313 (40 CFR 372):
None

State:California Proposition 65: Warning: This product contains silica, crystalline (airborne particles of respirable size) which is known by the State of California to cause cancer.

Canada DSL:This product is a medical device and not subject to chemical notification requirements.

European International Regulations:European Community Labeling: Not a dangerous preparation.; European Inventory of New and Existing Chemicals Substances (EINECS): This product is a medical device and not subject to chemical notification requirements.;

Regulatory NotesOther: N. A.

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SECTION 16 : ADDITIONAL INFORMATION508058

Disclaimer:

To the best of our knowledge this product does not contain gluten , wheat grains, flaxseed, natural rubber, or natural latex. All components are synthetically produced; none are derived from animal products.

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