MSDS-109

DENTSPLY CANADA LTD. MATERIAL SAFETY DATA SHEET/FICHE SIGNALETIQUE

SECTION 1 - PRODUCT IDENTIFICATION AND USE/IDENTIFICATION ET UTILISATION DU PRODUIT

PRODUCT IDENTIFIER/ NOM/IDENTIFICATEUR DU PRODUCT **JELTRATE Alginate Impression Material**	PRODUCT IDENTIFICATION NUMBER (PIN)/ NUMERO D'IDENTIFICATION DU PRODUIT (NIP) **608005-608522**

PRODUCT USE / USAGE DU PRODUIT: **Dental**

MANUFACTURER'S NAME/NOM DU FABRICANT **DENTSPLY Caulk**	SUPPLIER'S NAME/NOM DU FOURNISSEUR **DENTSPLY Canada Ltd.**
STREET ADDRESS/NUMERO CIVIQUE **38 West Clarke Avenue**	STREET ADDRESS/NUMERO CIVIQUE **161 Vinyl Court**

CITY/VILLE **Milford**	PROVINCE **Delaware**	CITY/VILLE **Woodbridge**	PROVINCE **Ontario**
POSTAL CODE POSTAL **19963-0359**	EMERGENCY TELEPHONE NO. D'URGENCE **1-800-424-9300** **302 422-4511**	POSTAL CODE POSTAL **L4L 4A3**	EMERGENCY TELEPHONE NO. D'URGENCE **(905) 851-6060 or** **1-800-263-1437** **FAX# (905) 851-9809**

SECTION 2 - HAZARDOUS INGREDIENTS/INGREDIENTS DANGEREUX

HAZARDOUS INGREDIENTS/INGREDIENTS DANGEREUX	%	CAS NUMBER/ NUMERO CAS	TLV	OSHA PEL
Crystalline Silica - Cristobalite	< 55 %	14464-46-1	0.05 mg/m^3	0.05 mg/m^3
Crystalline Silica - Quartz	< 55 %	14808-60-7	0.05 mg/m^3	0.05 mg/m^3
Amorphous Silica – Diatomaceous Earth	< 20 %	6855-59-5	10 mg/m^3	1.2 mg/m^3
Calcium Sulfate	< 15 %	10101-41-4	10 mg/m^3	10 mg/m^3
Tetrasodium Pyrophosphate	< 3 %	7722-88-5	5 mg/m^3	5 mg/m^3
Potassium Alginate (As nuisance dust)	< 15 %	9005-36-1	10 mg/m^3	15 mg/m^3
Magnesium Oxide (As nuisance dust)	< 7 %	1309-48-4	10 mg/m^3	15 mg/m^3

SECTION 3 - PHYSICAL DATA/CHARACTERISTIQUES PHYSIQUES

PHYSICAL STATE/ETAT PHYSIQUE **Powder**	ODOUR AND APPEARANCE/ODEUR ET APPARENCE: **Dry fluffy powder with spearmint odour: May be coloured**	Chemical Family: **N.A.**

VAPOUR PRESSURE (mm Hg)/ TENSION DE VAPEUR (mm Hg)	VAPOUR DENSITY (AIR-1)/ DENSITE DE LA VAPEUR (AIR-1)	EVAPORATION RATE/ TAUX D'EVAPORATION	BOILING POINT (^oC)/ POINT D'EBULLITION (^oC)	FREEZING POINT (^oC) POINT DE CONGELATION (^oC)
N.A.	N.A.	N.A.	N.A.	N.A.

pH:	SPECIFIC GRAVITY/DENSITE:	SOLUBILITY IN WATER:
N.A.	0.3 g/cm3	Partially Soluble.

SECTION 4 - FIRE AND EXPLOSION DATA/RISQUES D'INCENDIE OU D'EXPLOSION

FLAMMABILITY/INFLAMMABILITE

YES/OUI __ NO/NON **X** IF YES, UNDER WHICH CONDITIONS? / SI OUI, DANS QUELLES CONDITIONS?

MEANS OF EXTINCTION/MOYENS D'EXTINCTION: **N.A.**

FLASHPOINT (^oC) AND METHOD/ POINT D'ECLAIR (^oC) ET METHODE DE DETE RMINATION	UPPER EXPLOSION LIMIT (% BY VOLUME) SEUIL D'EXPLOSIVITE MAXIMAL (% PAR VOLUME)	LOWER EXPLOSION LIMIT (% BY VOLUME) SEUIL D'IEXPLOSIVITE MINIMAL (% PAR VOLUME)
N. A.	N.A.	N.A.

AUTO-IGNITION TEMPERATURE (^oC)/ TEMPERATURE D'AUTO-INFLAMMATION (^oC):	HAZARDOUS COMBUSTION PRODUCTS/ PRODUITS DANGEREUX DE COMBUSTION:
N.A.	Should be treated as a combustible dust in the finely divided and suspended state.

SENSITIVITY TO IMPACT/SENSIBILITE A L'IMPACT MECANIQUE	SENSITIVITY TO STATIC DISCHARGE SENSIBILITE A UNE DECHARGE STATIQUE
EXPLOSION DATA/ DONNES SUR LES EXPLOSIONS N.A.	N.A.

SECTION 5 - REACTIVITY DATA/DONNES SUR LA REACTIVITE

CHEMICAL STABILITY/STABILITE CHIMIQUE

YES/OUI : **X** NO/NON __ IF NO, UNDER WHICH CONDITIONS? / SI NON, DANS QUELLES CONDITIONS?

INCOMPATIBILITY WITH OTHER SUBSTANCES/ INCOMPATIBILITE AVEC D'AUTRES PRODUITS

YES/OUI : __ NO/NON **X** IF SO, WHICH ONES? / SI OUI, LESQUELS? **Hydrofluoric acid.**

REACTIVITY, AND UNDER WHAT CONDITIONS?/CONDITIONS DE REACTIVITE

High humidity and w ater contamination will cause material to gel. Prolonged exposure to heat above 60°C may create combustible conditions.

HAZARDOUS DECOMPOSITION PRODUCTS/PRODUITS DE DECOMPOSITION DANGEREUX

N.A.

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SECTION 6 - TOXICOLOGICAL PROPERTIES/PROPRIETES TOXICOLOGIQUES

ROUTE OF ENTRY/VOIES D'ABSORPTION

SKIN CONTACT/ CONTACT DERMIQUE	ABSORPTION/ ABSORPTION DERMIQUE	EYE CONTACT/ CONTACT OCULAIRE	INHALATION	INGESTION
__	__	X	X	X

EFFECTS OF ACUTE EXPOSURE TO PRODUCT/EFFETS DE L'EXPOSITION AIGUE AU PRODUIT

This product contains silica, crystalline (airborne particles of respirable size) which is known to cause cancer. Transitory upper respiratory irritation or eye irritation.

EFFECTS OF CHRONIC EXPOSURE TO PRODUCT/EFFETS DE L'EXPOSITION CHRONIQUE AU PRODUIT

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 cause 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)

EXPOSURE LIMITS/ SEUILS LIMITES D'EXPOSITION	IRRITANCY OF PRODUCT/ PROPRIETE IRRITANTE	SENSITIZATION TO PRODUCT/ SENSIBILISATION AU PRODUIT	CARCINOGENICITY/ CANCEROGENICITE
N.A.	N.A.	N.A.	N.A.

TERATOGENICITY/ TERATOGENICITE	REPRODUCTIVE TOXICITY/ EFFETS SUR LA REPRODUCTION	MUTAGENICITY/ MUTAGENICITE	SYNERGISTIC PRODUCTS/ PRODUITS SYNERGIQUES
N.A.	N.A.	N.A.	N.A.

SECTION 7 - PREVENTIVE MEASURES/MESURES PREVENTIVES

PERSONAL PROTECTIVE EQUIPMENT/MATERIEL PERSONNEL DE PROTECTION

Protective gloves, glasses, and apron

GLOVES (SPECIFY)/GANTS (PRECISER):	RESPIRATOR (SPECIFY)/APPAREIL RESPIRATOIRE (PRESICER)	EYE (SPECIFY)/APPAREIL OCULAIRE (PRECISER):
Rubber gloves	Recommended NIOSH approved nuisance dust mask. <10X PEL, use MSA 01-00-06 with type C supplied air unit (continuous flow mode); or equivalent.	Goggles or safety glasses with side shields.
FOOTWEAR (SPECIFY)/CHAUSSURES (PRECISER)	CLOTHING (SPECIFY)/VETEMENTS (PRECISER)	OTHER (SPECIFY)/AUTRES (PRECISER)
N.A.	Rubber apron.	

ENGINEERING CONTROLS (SPECIFY, EG, VENTILATION, ENCLOSED PROCESS)/INSTALLATION TECHNIQUES

Use sufficient natural or mechanical ventilation to keep dust level below PEL.

LEAK AND SPILL PROCEDURE/PROCEDURES EN CAS DE FUITES ET DE DEVERSEMENTS

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.

WASTE DISPOSAL/ELIMINATION DES RESIDUS:

Dispose of in accordance with Federal, Provincial, and Local regulations.

HANDLING PROCEDURES AND EQUIPMENT/METHODES ET EQUIPEMENT POUR LA MANUTENTION:

Observe normal warehouse handling procedures. Avoid breathing dust, avoid eye contact. Return cap to canisters immediately. Close pouches immediately after use.

STORAGE REQUIREMENTS/EXIGENCES EN MATIERE D'ENTREPOSAGE:

Minimize dust generation and accumulation. Store away from foodstuffs and beverages.

SPECIAL SHIPPING INFORMATION/RENSEIGNEMENTS SPECIAUX EN MATIERE D'EXPEDITION

Not Regulated

SECTION 8 - FIRST AID MEASURES/PREMIER SOINS

SPECIFIC MEASURES/PREMIERS SOINS PARTICULIERS A ADMINISTRER

Inhalation: Remove to fresh air.
Eyes: Flush with copious amounts of water for 15 minutes. If irritation persists consult a physician.
Ingestion: Drink water to clear throat and blow nose to evacuate dust.

SECTION 9 - PREPARATION DATE OF MSDS/RENSEIGNEMENTS SUR LA PREPARATION DE LA FS

PREPARED BY (GROUP, DEPARTMENT, ETC.)/ PREPAREE PAR (GROUPE, SERVICE, PERSONNE, ETC.)	PHONE NUMBER/NO. DE TELEPHONE	DATE
Cadentrix	(416) 994-9356	Rev. 2 I June 2005

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