

SAFETY DATA SHEETS

This SDS packet was issued with item:

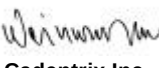
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The safety data sheets (SDS) in this packet apply to the individual products listed below. Please refer to invoice for specific item number(s).

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DENTSPLY CANADA LTD. MATERIAL SAFETY DATA SHEET/FICHE SIGNALÉTIQUE

SECTION 1 - PRODUCT IDENTIFICATION AND USE/IDENTIFICATION ET UTILISATION DU PRODUIT				
PRODUCT USE USAGE DU PRODUIT			PRODUCT IDENTIFICATION NUMBER (PIN)/ NUMERO D'IDENTIFICATION DU PRODUIT (NIP)	
DEGUVEST L			102863	
MANUFACTURER'S NAME/NOM DU FABRICANT DeguDent GmbH		SUPPLIER'S NAME/NOM DU FOURNISSEUR DENTSPLY Canada Ltd.		
STREET ADDRESS/NUMERO CIVIQUE Postfach 1364		STREET ADDRESS/NUMERO CIVIQUE 161 Vinyl Court		
CITY/VILLE Hanau	PROVINCE Germany	CITY/VILLE Woodbridge	PROVINCE Ontario	
POSTAL CODE POSTAL D63403	EMERGENCY TELEPHONE NO. D'URGENCE +49 6181 59-5767	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
Quartz (SiO₂)	N.A.	14808-60-7	0.3 mg/m³	0.3 mg/m³
Cristobalite	N.A.	14464-46-1	0.3 mg/m³	0.3 mg/m³
Calcium sulfate hemihydrate	N.A.	10034-76-1	N.A.	N.A.
SECTION 3 - PHYSICAL DATA/CHARACTERISTIQUES PHYSIQUES				
PHYSICAL STATE/ETAT PHYSIQUE Powder	ODOUR AND APPEARANCE/ODEUR ET APPARENCE: White, almost odourless.			Chemical Family: Silica mix
VAPOUR PRESSURE (mm Hg)/ TENSION DE VAPEUR (mm Hg) N.A.	VAPOUR DENSITY (AIR-1)/ DENSITE DE LA VAPEUR (AIR-1) N.A.	EVAPORATION RATE/ TAUX D'EVAPORATION N.A.	BOILING POINT (°C)/ POINT D'EBULLITION (°C) N.A.	FREEZING POINT (°C) POINT DE CONGELATION (°C) N.A.
pH: N.A.	SPECIFIC GRAVITY/DENSITE: N.A.	SOLUBILITY IN WATER: Insoluble.		
SECTION 4 - FIRE AND EXPLOSION DATA/RISQUES D'INCENDIE OU D'EXPLOSION				
FLAMMABILITY/INFLAMMABILITE YES/OUI ☐ NO/NON ☒ IF YES, UNDER WHICH CONDITIONS? SI OUI, DANS QUELLES CONDITIONS?				
MEANS OF EXTINCTION/MOYENS D'EXTINCTION: Any extinguishing media according surroundings.				
FLASHPOINT (°C) AND METHOD/ POINT D'ECLAIR (°C) ET METHODE DE DETERMINATION N.A.		UPPER EXPLOSION LIMIT (% BY VOLUME) SEUIL D'EXPLOSIVITE MAXIMAL (% PAR VOLUME) N.A.	LOWER EXPLOSION LIMIT (% BY VOLUME) SEUIL D'EXPLOSIVITE MINIMAL (% PAR VOLUME) N.A.	
AUTO-IGNITION TEMPERATURE (°C)/ TEMPERATURE D'AUTO-INFLAMMATION (°C): N.A.		HAZARDOUS COMBUSTION PRODUCTS/ PRODUITS DANGEREUX DE COMBUSTION:		
SENSITIVITY TO IMPACT/SENSIBILITE A L'IMPACT MECANIQUE EXPLOSION DATA/ DONNES SUR LES EXPLOSIONS			SENSITIVITY TO STATIC DISCHARGE SENSIBILITE A UNE DECHARGE STATIQUE	
SECTION 5 - REACTIVITY DATA/DONNES SUR LA REACTIVITE				
CHEMICAL STABILITY/STABILITE CHIMIQUE YES/OUI: ☒ 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 ☒ IF SO, WHICH ONES? Avoid humidity and water SI OUI, LESQUELS?				
REACTIVITY, AND UNDER WHAT CONDITIONS? /CONDITIONS DE REACTIVITE None.				
HAZARDOUS DECOMPOSITION PRODUCTS/PRODUITS DE DECOMPOSITION DANGEREUX None.				

PRODUCT IDENTIFIER/ NOM/IDENTIFICATEUR DU PRODUIT			
DEGUVEST L			
SECTION 6 - TOXICOLOGICAL PROPERTIES/PROPRIETES TOXICOLOGIQUES			
ROUTE OF ENTRY/VOIES D'ABSORPTION			
SKIN CONTACT/ ☐	SKIN ABSORPTION/ ☐	EYE CONTACT/ ☐	INHALATION ☐ INGESTION ☐
CONTACT DERMIQUE	ABSORPTION DERMIQUE	CONTACT OCULAIRE	
EFFECTS OF ACUTE EXPOSURE TO PRODUCT/EFFETS DE L'EXPOSITION AIGUE AU PRODUIT Do not breath vapours.			
EFFECTS OF CHRONIC EXPOSURE TO PRODUCT/EFFETS DE L'EXPOSITION CHRONIQUE AU PRODUIT Eyes, skin irritation may occur. Allergic dermatitis may also occur. Inhalation: May cause shortness of breath and pulmonary disorder.			
EXPOSURE LIMITS/ SEUILS LIMITES D'EXPOSITION N.A.	IRRITANCY OF PRODUCT/ PROPRIETE IRRITANTE N.A.	SENSITIZATION TO PRODUCT/ SENSIBILISATION AU PRODUIT N.A.	CARCINOGENICITY/ CANCEROGENICITE N.A.
TERATOGENICITY/ TERATOGENICITE N.A.	REPRODUCTIVE TOXICITY/ EFFETS SUR LA REPRODUCTION N.A.	MUTAGENICITY/ MUTAGENICITE N.A.	SYNERGISTIC PRODUCTS/ PRODUITS SYNERGIQUES N.A.
SECTION 7 – PREVENTIVE MEASURES/MESURES PREVENTIVES			
PERSONAL PROTECTIVE EQUIPMENT/MATERIEL PERSONNEL DE PROTECTION			
GLOVES (SPECIFY)/GANTS (PRECISER): Any gloves.	RESPIRATOR (SPECIFY)/APPAREIL RESPIRATOIRE (PRECISER) Use approved respirator. Use in well ventilated area.	EYE (SPECIFY)/APPAREIL OCULAIRE (PRECISER): Safety Glasses.	
FOOTWEAR (SPECIFY)/CHAUSSURES (PRECISER)	CLOTHING (SPECIFY)/VETEMENTS (PRECISER)	OTHER (SPECIFY)/AUTRES (PRECISER)	
ENGINEERING CONTROLS (SPECIFY, EG, VENTILATION, ENCLOSED PROCESS)/INSTALLATION TECHNIQUES Store in dry, well ventilated area			
LEAK AND SPILL PROCEDURE/PROCEDURES EN CAS DE FUITES ET DE DEVERSEMENTS If material is spilled collect mechanically and place into appropriate container.			
WASTE DISPOSAL/ELIMINATION DES RESIDUS: Dispose according your local, federal and provincial regulations.			
HANDLING PROCEDURES AND EQUIPMENT/METHODS ET EQUIPEMENT POUR LA MANUTENTION: Keep in dry well ventilated area away from heat sources.			
STORAGE REQUIREMENTS/EXIGENCES EN MATIERE D'ENTREPOSAGE: Keep containers closed at 5-30°C.			
SPECIAL SHIPPING INFORMATION/RENSEIGNEMENTS SPECIAUX EN MATIERE D'EXPEDITION Not regulate d.			
SECTION 8 - FIRST AID MEASURES/PREMIER SOINS			
SPECIFIC MEASURES/PREMIERS SOINS PARTICULIERS A ADMINISTRER Skin/Eyes: Wash off or Flush with water for a minimum of 15 minutes and get medical attention. Inhalation: Remove to fresh air and ask for medical attention.			
SECTION 9 - PREPARATION DATE OF MSDS/RENSEIGNEMENTS SUR LA PREPARATION DE LA FS			
PREPARED BY (GROUP, DEPARTMENT, ETC.)/ PREPAREE PAR (GROUPE, SERVICE, PERSONNE, ETC.)  Cadentrix Inc.	PHONE NUMBER/NO. DE TELEPHONE (416) 994-9356	DATE 28 December 2004	

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SAFETY DATA SHEET (EC 1907/2006)**Deguvest L**

Material no.	5,325,080,001	Version	2.5 / GB
Specification	102863	Revision date	08.10.2015
VA-Nr	01,740,269	Print Date	10/9/2015
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DeguDent
A Dentsply Company**1. Identification of the substance/mixture and of the company/undertaking****1.1. Product identifier**

Trade name	Deguvest L
REACH Registration No.:	if available listed in Chapter. 3

1.2. Relevant identified uses of the substance or mixture and uses advised against

Relevant applications identified	For dental use only.
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1.3. Details of the supplier of the safety data sheet

Company	DeguDent GmbH Postfach 1364 D-63403 Hanau
Telephone	+49 (0)6181/59-5767
Telefax	+49 (0)6181/59-5879
Email address	SDB.Degudent-DE@dentsply.com

1.4. Emergency telephone number

Emergency information	+49 (0)180 / 23 24-555 (international)
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2. Hazards identification**2.1. Classification of the substance or mixture****Classification according to Regulation (EC) No. 1272/2008 [CLP]**

Specific Target Organ Toxicity - Repeated exposure (inhalation, Lungs)	Category 1	H372
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Classification as per Directive 67/548/EC or Directive 1999/45/EC

Xn, Harmful
R48/20: Harmful: danger of serious damage to health by prolonged exposure through inhalation.

2.2. Label elements**Labelling as per (EU) 1272/2008****hazard-defining component(s) (GHS)**

- Quartz (SiO₂)
- Cristobalite

Symbol(s)



Signal word

Danger

Hazard statement

H372 - Causes damage to organs through prolonged or repeated exposure.

Precautionary statement

P260 - Do not breathe dust.
P264 - Wash hands thoroughly with soap and water after handling.
P270 - Do not eat, drink or smoke when using this product.
P314 - Get medical advice/ attention if you feel unwell.
P501 - Dispose of contents/container in accordance with local regulation.

2.3. Other hazards

Can cause silicosis.

A PBT/vPvB evaluation is not available, since a chemical safety evaluation is not required / has not been carried out.

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3. Composition/information on ingredients

• Quartz (SiO₂)		5% - 60%	
CAS-No.	14808-60-7	EC-No.	238-878-4
• Cristobalite		10% - 70%	
CAS-No.	14464-46-1	EC-No.	238-455-4
• Calcium sulfate hemihydrate		10% - 35%	
CAS-No.	10034-76-1	EC-No.	231-900-3

4. First aid measures**4.1. Description of first aid measures****Inhalation**

In case product dust is released:
Remove to fresh air.

Skin contact

Wash off with soap and water.

Eye contact

In case product dust is released:
Possible discomfort is due to foreign substance effect.
Rinse thoroughly with plenty of water keeping eyelid open.
If eye irritation persists, consult a specialist.

Ingestion

No hazards which require special first aid measures.

4.2. Most important symptoms and effects, both acute and delayed**Symptoms**

None known

Hazards

None known

4.3. Indication of any immediate medical attention and special treatment needed

Symptomatic treatment.

5. Fire-fighting measures**5.1. Extinguishing media**

Suitable extinguishing media: All extinguishing substances suitable.

5.2. Special hazards arising from the substance or mixture

The product itself does not burn.

5.3. Advice for firefighters

Extinction measures are to be adjusted to the specific location.
Employ protective equipment commonly used in the event of fire.

6. Accidental release measures**6.1. Personal precautions, protective equipment and emergency procedures**

In case of release dust:
As a rule, work only with respiratory protective equipment.

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6.2. Environmental precautions

Introduction into soil, natural water bodies or sewerage must be prevented.

6.3. Methods and material for containment and cleaning up

Use mechanical handling equipment.

6.4. Reference to other sections

Wear personal protective equipment; see section 8.

Disposal considerations; see section 13.

7. Handling and storage

7.1. Precautions for safe handling

In case of release dust:

As a rule, work only with respiratory protective equipment. If necessary: Local ventilation. Handle in accordance with good industrial hygiene and safety practice.

7.2. Conditions for safe storage, including any incompatibilities

Storage

Keep in a dry, cool place.

Keep container tightly closed.

Use open containers immediately.

German storage class

13 - Non Combustible Solids

7.3. Specific end use(s)

We are unaware of any specific end uses which go beyond the data reported in Section 1.

8. Exposure controls/personal protection

8.1. Control parameters

8.2. Exposure controls

Engineering measures

Ensure suitable suction/aeration at the work place and with operational machinery. Avoid formation of dust.

Personal protective equipment

Respiratory protection

If workplace exposure limits are exceeded and/or larger amounts are released (leakage, spilling, dust) the indicated respiratory protection should be used.

If workplace exposure limit is exceeded apply Nose and mouth mask with P3 particle filter.

Hand protection

No particular measures required.

Eye protection

Safety glasses with side-shields

If dust occurs: basket-shaped glasses

Skin and body protection

suitable protective clothing recommended

Avoid contaminating clothes with product.

Change contaminated clothing.

Wash contaminated clothing after use.

Hygiene measures

Handle in accordance with good industrial hygiene and safety practice.

When using, do not eat, drink or smoke. Wash face and/or hands before break and end of work.

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9. Physical and chemical properties**9.1. Information on basic physical and chemical properties****Appearance**

Form powder
Colour depending on staining result

Odour almost odourless

Flash point Not combustible.

Water solubility insoluble

Autoinflammability Not capable of spontaneous combustion or heating.

9.2. Other information

Bulk density 1050 kg/m³

Other information No further physicochemical data were determined.

10. Stability and reactivity**10.1. Reactivity**

no data available

10.2. Chemical stability

The product is chemically stable.

10.3. Possibility of hazardous reactions

Possibility of hazardous reactions No dangerous reaction known under conditions of normal use.

10.4. Conditions to avoid

Keep away from humidity.

10.5. Incompatible materials

humidity, Water

10.6. Hazardous decomposition products

decomposition products with heating above decomposition temperature
Sulphur oxides

11. Toxicological information**11.1. Information on toxicological effects**

No results of animal experiments with the product available.

Acute oral toxicity no data available

Acute inhalation toxicity no data available

Acute dermal toxicity no data available

Skin irritation no data available

Eye irritation no data available

Sensitization no data available

Repeated dose toxicity no data available

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Assessment of STOT repeat exposure	Routes of exposure: inhalation Target Organs: Lungs Labelling not required by GHS regulation. Classification and labeling of the mixture according to voluntary self-classification of respirable crystalline silica (RCS) by the Industrial Minerals Association Europe (IMA Europe).
Mutagenicity assessment	no data available
Carcinogenicity	No data available
Toxicity to reproduction	No data available
Human experience	Mechanical irritation of skin and mucous linings of eyes and respiratory tract may occur.
Further information	No hazardous reactions are known if properly handled and stored. In case of improper handling: May cause silicosis.

12. Ecological information**12.1. Toxicity**

No ecotoxicological data is available for this product.

12.2. Persistence and degradability

Biodegradability no data available

12.3. Bioaccumulative potential

Bioaccumulation no data available

12.4. Mobility in soil

Mobility No data available

12.5. Results of PBT and vPvB assessment

A PBT/vPvB evaluation is not available, since a chemical safety evaluation is not required / has not been carried out.

12.6. Other adverse effects

Further Information Do not allow entrance in sewage water and soil.

13. Disposal considerations**13.1. Waste treatment methods****Product**

Disposal according to local authority regulations.

Uncleaned packaging

Disposal according to local authority regulations.

14. Transport information

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Not dangerous according to transport regulations.

- 14.1. UN number: --
14.2. UN proper shipping name: --
14.3. Transport hazard class(es): --
14.4. Packing group: --
14.5. Environmental hazards: --
14.6. Special precautions for user: No

15. Regulatory information**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****National legislation****15.2. Chemical safety assessment**

Chemical safety assessment No Chemical Safety Report as per Articles 2(8), 2(9) or 14 of the REACH Regulation is required for this product.

16. Other information**Further information**

Changes since the last version are highlighted in the margin. This version replaces all previous versions.

This information and all further technical advice is based on our present knowledge and experience. However, it implies no liability or other legal responsibility on our part, including with regard to existing third party intellectual property rights, especially patent rights. In particular, no warranty, whether express or implied, or guarantee of product properties in the legal sense is intended or implied. We reserve the right to make any changes according to technological progress or further developments. The customer is not released from the obligation to conduct careful inspection and testing of incoming goods. Performance of the product described herein should be verified by testing, which should be carried out only by qualified experts in the sole responsibility of a customer. Reference to trade names used by other companies is neither a recommendation, nor does it imply that similar products could not be used.

Legend

ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
ADN	European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
ASTM	American Society for Testing and Materials
ATP	Adaptation to Technical Progress
BCF	Bioconcentration factor
BetrSichV	German Ordinance on Industrial Safety and Health
c.c.	closed cup
CAS	Chemical Abstract Services
CESIO	European Committee of Organic Surfactants and their Intermediates
ChemG	German Chemicals Act
CMR	carcinogenic-mutagenic-toxic for reproduction
DIN	German Institute for Standardization
DMEL	Derived minimum effect level
DNEL	Derived no effect level
EINECS	European Inventory of Existing Commercial Chemical Substances
EC50	half maximal effective concentration
GefStoffV	German Ordinance on Hazardous Substances
GGVSEB	German ordinance for road, rail and inland waterway transportation of dangerous goods
GGVSee	German ordinance for sea transportation of dangerous goods
GLP	Good Laboratory Practice

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GMO	Genetic Modified Organism
IATA	International Air Transport Association
ICAO	International Civil Aviation Organization
IMDG	International Maritime Dangerous Goods
ISO	International Organization For Standardization
LOAEL	Lowest observed adverse effect level
LOEL	Lowest observed effect level
NOAEL	No observed adverse effect level
NOEC	no observed effect concentration
NOEL	no observed effect level
o. c.	open cup
OECD	Organisation for Economic Cooperation and Development
OEL	Occupational Exposure Limit
PBT	Persistent, bioaccumulative, toxic
PEC	Predicted effect concentration
PNEC	Predicted no effect concentration
REACH	REACH registration
RID	Convention concerning International Carriage by Rail
STOT	Specific Target Organ Toxicity
SVHC	Substances of Very High Concern
TA	Technical Instructions
TPR	Third Party Representative (Art. 4)
TRGS	Technical Rules for Hazardous Substances
VCi	German chemical industry association
vPvB	very persistent, very bioaccumulative
VOC	volatile organic compounds
VwVwS	German Administrative Regulation on the Classification of Substances Hazardous to Waters into Water Hazard Classes
WGK	Water Hazard Class
WHO	World Health Organization