

SAFETY DATA SHEETS

This SDS packet was issued with item:

075378674

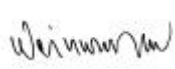
The safety data sheets (SDS) in this packet apply to the individual products listed below. Please refer to invoice for specific item number(s).

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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 <input type="checkbox"/> NO/NON <input checked="" type="checkbox"/> 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: <input checked="" type="checkbox"/> NO/NON <input type="checkbox"/> IF NO, UNDER WHICH CONDITIONS? SI NON-, DANS QUELLES CONDITIONS?				
INCOMPATIBILITY WITH OTHER SUBSTANCES/ INCOMPATIBILITE AVEC D'AUTRES PRODUITS YES/OUI: <input type="checkbox"/> NO/NON <input checked="" type="checkbox"/> 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.				

MSDS -405

PRODUCT IDENTIFIER/ NOM/IDENTIFICATEUR DU PRODUIT			
DEGUVEST L			
SECTION 6 - TOXICOLOGICAL PROPERTIES/PROPRIETES TOXICOLOGIQUES			
ROUTE OF ENTRY/VOIES D'ABSORPTION			
SKIN CONTACT/ <input type="checkbox"/>	SKIN ABSORPTION/ <input type="checkbox"/>	EYE CONTACT/ <input type="checkbox"/>	INHALATION <input type="checkbox"/> INGESTION <input type="checkbox"/>
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

Version: 2.6 / GB
Revision date: 27.10.2017
Issue date: 03.09.2001
replaces version: 2.5
Page: 1 / 8

Material no. 5325080001
Specification 102863
VA-Nr 01777806



SECTION 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.

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@dentsplysirona.com

1.4. Emergency telephone number

Emergency information +49 (0)6181/59-50 (This telephone number is available during office hours only.)

SECTION 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 Category 1 H372
(inhalation, Lungs)

2.2. Label elements

Labelling as per (EU) 1272/2008

hazard-defining component(s) (GHS)

- Quartz (SiO₂)
 - Cristobalite
- Hazard pictograms



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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SECTION 3: Composition/information on ingredients

3.1. Substances

-

3.2. Mixtures

Information on ingredients / Hazardous components as per EU-CLP Regulation (EC) No. 1272/2008

• Quartz (SiO ₂)		5% - 60%	
CAS-No.	14808-60-7	EC-No.	238-878-4
Specific Target Organ Toxicity - Repeated exposure (inhalation, Lungs)		Category 1	H372
• Cristobalite		10% - 70%	
CAS-No.	14464-46-1	EC-No.	238-455-4
Specific Target Organ Toxicity - Repeated exposure (inhalation, Lungs)		Category 1	H372
• Calcium sulfate hemihydrate		10% - 35%	
CAS-No.	10034-76-1	EC-No.	231-900-3

Texts of H phrases, see in Chapter 16

SECTION 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.

SECTION 5: Firefighting 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.

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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.

SECTION 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.

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.

SECTION 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

Storage stability

air humidity 30 % – 90 %
Recommended storage temperature to maintain product quality
5 - 30 °C

7.3. Specific end use(s)

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

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

• Quartz (SiO ₂)			
CAS-No.	14808-60-7	EC-No.	238-878-4
Control parameters	0.1 mg/m ³		Time Weighted Average (TWA):(EH40 WEL)
type of exposure	Respirable.		
• Cristobalite			
CAS-No.	14464-46-1	EC-No.	238-455-4
Control parameters	0.1 mg/m ³		Time Weighted Average (TWA):(EH40 WEL)
type of exposure	Respirable.		
• Calcium sulfate hemihydrate			
CAS-No.	10034-76-1	EC-No.	231-900-3
Control parameters	10 mg/m ³		Time Weighted Average (TWA):(EH40 WEL)

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type of exposure	Inhalable dust.	
Control parameters	4 mg/m3	Time Weighted Average (TWA):(EH40 WEL)
type of exposure	Respirable dust.	

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/face 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.

SECTION 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
Odour threshold:	no data available
pH	no data available
Melting point/range	no data available
Boiling point/range	no data available
Flash point	Not combustible.
Evaporation rate	not applicable, (solid)
Flammability (solid, gas)	not flammable
Lower explosion limit	no data available
Upper explosion limit	no data available
Vapour pressure	no data available
Density	no data available
Water solubility	insoluble

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Partition coefficient: n-octanol/water no data available
Autoinflammability Not capable of spontaneous combustion or heating.
Thermal decomposition no data available
Viscosity, dynamic no data available
Explosiveness not explosive
Oxidizing properties not oxidizing

9.2. Other information

Bulk density 1050 kg/m³
Other information No further physicochemical data were determined.

SECTION 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

SECTION 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

Assessment of STOT repeat exposure Routes of exposure: inhalation
Target Organs: Lungs

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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).

Risk of aspiration toxicity	no data available, (solid)
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.

SECTION 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.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Product

Disposal according to local authority regulations.

Uncleaned packaging

Disposal according to local authority regulations.

SECTION 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

SECTION 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.

SECTION 16: Other information**Classification and applied procedure to derive the classification of mixtures according to EU Regulation (EC) No. 1272/2008 (CLP)**

Classification	Classification procedure
STOT RE, 1 , H372	

Relevant H phrases from chapter 3

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

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

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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
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