



SAFETY DATA SHEET

VERSION: 1.0 (updated: Jun 2017)

DENTAL IMPRESSION MATERIAL

PRODUCT: Vaccu-sil BITE REGISTRATION CATALYST

1. Product and company identification

Product name: **Vaccu-sil BITE REGISTRATION CATALYST**
Manufacturer:
Name: Sherpa Korea
Address: 2nd floor 474 Sinpyeong-dong
Saha-gu, Pusan, Korea, 49421
Telephone: 82-51-206-2823
Emergency line: 82-2-861-2041

2. Hazard Identification

GHS labeling and classification

Hazard Class and category: Not applicable
Hazard summary: Not applicable
Precautionary Statement: Not applicable
Prevention: Not applicable
Response: Not applicable
Storage: Not applicable
Other Hazards which do not result in

Physical & Chemical Hazards Not applicable

Adverse Human Health Effect Not applicable

3. Composition / Information on Ingredients

>> MIXTURE

General Information: Mixture of Polyorganosiloxanes, fillers, additives.

Chemical Name	Usual Name	Concentration (%)	CAS No.	EC No.
Quartz(SiO ₂)	Quartz (SiO ₂)	<=55%	14808-60-7	
White mineral oil (petroleum)		<=8%	8042-47-5	
Kieselguhr, soda ash flux-calcined		<=3%	68855-54-9	

4. First-aid measures



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Inhalation:	Not relevant
Skin contact:	Remove contaminated clothing and shoes. Wash with soap and water
Eye contact:	In the event of contact with the eyes, rinse thoroughly with clean water. Continue to rinse for at least 15 minutes.
Ingestion:	Do not induce vomiting. Rinse mouth thoroughly.

5. First-fighting measure

Extinguishing media

- Suitable: Foam
Powders
Carbon dioxide (CO₂)
- Not suitable: Do not use water jet as an extinguisher, as this will spread the fire.
Alkaline powders

Specific hazards: Combustible. For further information, refer to section 10: "Stability and Reactivity".

Specific fire-fighting methods: Cool down the containers/equipment exposed to heat with a water spray.

Protection of fire-fighters: Self-contained breathing apparatus

6. Accidental release measures

Personal precautions: Personal protective equipment
Safety spectacles
Mechanically ventilate the spillage area

Environmental precautions: Collect spillage. Do not discharge into drains, water courses or onto the ground.

Methods and material for

Containment and cleaning up: Use explosion-proof electrical/ventilating/lighting/.../equipment. Containers with collected spillage must be properly labeled with correct contents and hazard symbol. Container must be kept tightly closed. Suitable containers: equipped with a degassing device. Absorb with sand or other inert absorbent. Do NOT use products which are basic. To clean the floor and all objects contaminated by this material, use an appropriate solvent.(cf.: 9) Flush area with plenty of water. Incinerate in suitable combustion chamber.

Notification procedures: Caution: Contaminated surfaces may be slippery. For waste disposal, see section 13 of MSDS.

7. Handling and storage



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Precautions for safe handling:

Use mechanical ventilation in case of handling which causes formation of vapors. Do not mix with incompatible materials. For further information, refer to section 10: "Stability and Reactivity". Read and follow manufacture's recommendations.

Conditions for safety storage, including any incompatibilities:

Store in a cool, dry place with adequate ventilation. Keep away from incompatible materials, open flames, and high temperatures. Store in tightly closed original container. Equipped with a degassing device. Suitable containers: polyethylene. Steel drums coated with epoxy-resin.

Specific end use(s): No data available

8. Exposure controls / personal protection

Control parameters

Occupational exposure limits

Quartz: when encapsulated in polymer, it is not expected to pose a health hazard when processed under normal conditions of use.

Exposure controls:

Appropriate engineering controls: Avoid inhalation of vapors and spray mists

Individual protection measures, such as personal protective equipment:

General information: No specific precautions

Eye/face protection: Safety Glasses

Skin protection:

Hand protection: Use protective gloves made of: Nitrile. Polyvinyl chloride (PVC). Rubber or plastic.

Other: It is a good industrial hygiene practice to minimize skin contact. Wear suitable protective clothing.

Respiratory Protection: No specific precautions

Hygiene measures: Provide eyewash station and safety shower.

Environmental controls: No data available

9. Physical and chemical properties

APPEARANCE

- Physical state : Liquid
- Form: Thixotropic
- Color: Purple/Light blue
- Odor: Odorless
- pH: Not applicable

Specific temperatures

Flammability characteristics



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- Flash point: > 200°C (Closed up, according to method ASTM D-56)
 - Auto-ignition temperature: > 400°C
 - Oxidizing properties: Non-oxidizing material according to EEC criteria
 - Flammability limit:
 - Low: H2:4% (Volume)
 - High: H2:74%(Volume)
 - Specific gravity: Approx. 1,650kg/ m3 at 20°C
 - Solubility
 - In water: Practically insoluble
 - Inorganic solvents: Very slightly soluble in:
 - Acetone
 - Alcohol (ethanol)Miscible (in all proportions) with:
 - Diethylether
 - Aliphatic hydrocarbons
 - Chlorinated solvents
 - Dynamic viscosity 600mm²/s (20°C)
- 10. Stability and reactivity**
- Stability: Stable at room temperature
- Hazardous reactions
- Possibility of hazardous Reactions: During storage, this product may generate hydrogen gas.
- Conditions to avoid: No other information noted
- Incompatible materials: None known
- Hazardous decomposition products: On combustion forms:
(Carbon oxides (CO + CO₂))
Amorphous Silica
Quantity of hydrogen potentially released (1/kg of product):<6

11. Toxicological Information

Information on likely routes of exposure

- Inhalation: No effects expected (assessment based on ingredients).
- Ingestion: No effects expected (assessment based on ingredients).
- Skin contact: No effects expected (assessment based on ingredients).
- Eye contact: No effects expected (assessment based on ingredients).

Information on toxicological

Effects:

Acute Toxicity:



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Oral:	
Product:	No effects expected (assessment based on ingredients).
Dermal:	
Product:	No effects expected (assessment based on ingredients).
Specified substance(s):	
Quartz (SiO ₂)	No data available
Inhalation:	
Product:	No effects expected (assessment based on ingredients).
Repeated dose toxicity:	
Product:	No effects expected (assessment based on ingredients).
Skin corrosion/irritation:	
Product:	No effects expected (assessment based on ingredients).
Serious eye damage/eye	
Irritation:	No effects expected (assessment based on ingredients).
Product:	
Respiratory or skin	
Sensitization:	
Product:	No effects expected (assessment based on ingredients).
Germ cell mutagenicity:	
In vitro:	
Product:	No effects expected (assessment based on ingredients).
In vivo:	
Product:	No effects expected (assessment based on ingredients).
Carcinogenicity:	
Product:	No effects expected (assessment based on ingredients).
Reproductive toxicity:	
Product:	No effects expected (assessment based on ingredients).
Specific target organ toxicity – single exposure:	
Product:	No effects expected (assessment based on ingredients).
Aspiration hazard:	
Product:	No effects expected (assessment based on ingredients).
Other adverse effects:	None known

12. Ecological information

MOBILITY

Precipitation: Slightly soluble product readily forms deposits

Expected behavior of the product: Ultimate destination of the product: SOIL and SEDIMENT

DEGRADABILITY



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Ultimate aerobic biodegradability Non-biodegradable

BIOACCUMULATION

Bioconcentration factor: Non-bioaccumulable

ECOTOXICITY

Effects on the aquatic environment: No specific information available, however, by analogy, this product is not considered to present any particular risk to the aquatic environment.

13. Disposal considerations

WASTE FROM RESIDUE

Destruction/Disposal: Dispose of at a licensed waste collection point

CONTAMINATED PACKAGING

Decontamination/cleaning: Scrape or drain carefully:
Rinse with an appropriate solvent
Recover the solvent used for rinsing and incinerate at a licensed site.

Destruction/disposal: Entrust the thoroughly decontaminated packaging to a licensed waste-contractor.

NOTE: The user's attention is drawn to the possible existence of local regulations regarding disposal.

14. Transport information

This material is not subject to transport regulations.

Environmental hazards: Not regulated.

Special precautions for user: Not regulated

15. Regulatory information

Safety, health and environment regulations and legislation specific to this substance or mixture:

National Regulations: OSHA: Not regulated
TCCA: Not regulated

Chemical safety: No data available

NOTE: The regulatory information given above only indicate the principal regulations specifically applicable to the product described in the Safety Data Sheet. The user's attention is drawn to the possible existence of additional provisions, which complete these regulations. Refer to all applicable national, international and local regulation or provisions.

16. Other information

Revision Information: Not relevant

Key literature references
and sources for data: No data available

Wording of the R-phrases and H-statements in section 2 and 3:
Not applicable

Training information: No data available

Inventory status:

EU EINECS list: On or in compliance with the inventory

Korea KECL list: On or in compliance with the inventory

US TSCA Inventory: On or in compliance with the inventory

This safety data sheet should be used in conjunction with other technical information, it does not replace them. The information given is based on our knowledge of this product, at the time of publication. It is given in good faith. The attention of the user is drawn to the possible risks incurred by using the product for any other purpose other than that for which it was intended. This does not in any way excuse the user from knowing and applying all the regulations governing his activity. It is the sole responsibility of the user to take all

precautions required in handling the product. The aim of the mandatory regulations mentioned is to help the user to fulfill his obligations regarding the use of hazardous products. This information is not exhaustive. This does not exonerate the user from ensuring that legal obligations, other than those mentioned, relating to the use and storage of the product, do not exist. This is solely his responsibility.

End of document

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