



SAFETY DATA SHEET

VERSION: 1.0 (updated: Jun 2017)

DENTAL IMPRESSION MATERIAL PRODUCT: Vaccu-Sil BITE REGISTRATION BASE

1. Product and company identification

Product name: Vaccu-sil BASE
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:

Physical hazard: Not applicable

Health hazard:

Inhalation:

Eye contact: No specific symptoms noted

Skin contact: No specific symptoms noted

Ingestion: No specific symptoms noted

Other Health Effects: No other information noted

Environmental hazard: Not regarded as dangerous for the environment

Label element: Not applicable

Other hazard: Not applicable

3. Composition / Information on Ingredients

>> MIXTURE

General Information: Mixture of Polyorganosiloxanes, filler, additives.

Chemical Name	Usual Name	Concentration (%)	CAS No.	EC No.
Cristobalite	Quartz (SiO ₂)	<65%	14464-46-1	238-455-4

4. First-aid measures

Inhalation: Not relevant

Skin contact: Remove contaminated clothing and shoes. Wash with soap and water



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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-aiding measures

Extinguishing media

- Suitable: Foam
Powders
Carbon dioxide (CO₂)
- Not suitable: None to our knowledge. If there is a fire close by, use suitable extinguishing agents.

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

Specific firefighting 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: This product does not present any particular risk for the environment.

Method for cleaning up:

- Recovery: Collect up the product and place it in a spare container.
 - Suitably labeled
 - With a closing deviceKeep the recovered product for subsequent disposal
- Neutralization: Absorb residues with:
 - Dry sand or dry inert absorbent.
- Cleaning / Decontamination: Decontaminate and wash the floor with:
 - An appropriate solvent. (Ref. § 9)Then wash with plenty of water.
- Disposal : Incinerate contaminated materials at an authorized installation

7. Handling and storage

HANDLING

Technical measures: Ventilation.

Safety Handling advice: Comply with instructions for use (refer to technical sheet).



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STORAGE

Technical measures: Does not require any specific or particular technical measures.
Storage conditions
- Recommended: Stable under normal storage conditions.
Incompatible products: Strong oxidizing agents.
Packaging: - Steel drums varnished with epikote.
Packaging materials Coated steels.
Recommended: Plastic materials (polyethylene, polypropylene).

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: No special precautions.

Appropriate engineering controls: 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: No skin protection is ordinarily required under normal conditions of use. In accordance with good industrial hygiene practices, precautions should be taken to avoid skin contact.

Respiratory Protection: No specific precautions.

Hygiene measure: Provide eyewash station and safety shower.

Environmental Controls: No data available.

9. Physical and chemical properties

APPEARANCE

- Physical state: Liquid.

- Form: Thixotropic

- Color: Whitish

Odor: Odorless

pH: Not applicable

Specific temperatures

Flammability characteristics

- Flash point: > 200°C (Closed up, according to method ASTM D-56)

- Auto-ignition temperature: > 400°C



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Oxidizing Properties: Non-oxidizing material according to EEC criteria.

Specific gravity: Approx. 1600 kg/m³ at 20°C.

Solubility

- In water: Practically insoluble.

- In organic solvents: Very slightly soluble in:

- Acetone
- Alcohol (ethanol)

Miscible (in all proportions) with:

- Diethylether
- Aliphatic hydrocarbons
- Aromatic hydrocarbons (toluene, xylene).
- Chlorinated solvents.

Dynamic viscosity: Approx. 3,000 mm²/s (20°C).

10. Stability and reactivity.

Stability: Stable at room temperature.

Hazardous reactions

Materials to avoid: During use, release:

On combustion forms:
(Carbon oxides (CO + CO₂)).
Amorphous silica

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:

Oral: No effects expected (assessment based on ingredients).

Product: No effects expected (assessment based on ingredients).

Dermal: No effects expected (assessment based on ingredients).

Product: No effects expected (assessment based on ingredients).

Specified substance(s): No effects expected (assessment based on ingredients).

Quartz(SiO₂): 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:



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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: No effects expected (assessment based on ingredients).
Product:
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: No effects expected (assessment based on ingredients).
Product:
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

- Ultimate aerobic biodegradability
None-biodegradable

BIOACCUMULATION

Bioconcentration factor: Not 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

WATER FROM RESIDUES

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: No special precautions.

NOTE: The above regulatory prescriptions are those valid on the date of publication of this sheet.

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 indicates 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 regulations or provisions.

16. Other information

Revision Information: Not relevant.

Key literature references and No data available.

Sources for data:

Wording of the R-phrases and H-statements in section 2 and 3:

Not applicable

Training information: No data available.



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Inventory Status:

EU EUNECs 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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