

Section 1: Identification

Product Identifier

Product Name Vacalon Disposable Press Plungers
 Product Code 40001, 40002, 40003, 40004

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

Recommended use Used by dental professionals for pressing ceramics

Details of the supplier of the safety data sheet

Manufacturer/Supplier Vacalon Company Inc
 12960 Stonecreek Dr Ste C
 Pickerington, OH 43147 USA
 www.vacalon.com • info@vacalon.com
 Telephone (General) 614-577-1945

Emergency telephone number

Hazmat Services Inc (24 hour) 800-373-7542 (USA)
 484-951-2432 (International)

Section 2: Hazard Identification

Classification of the substance or mixture

- According to the OSHA Hazard Communication Standard the above products are considered "Articles". As such they are exempt from SDS (MSDS) provisions. As a service to the customer we have prepared this safety data sheet to provide additional safety and handling details.

Label elements

- This product is not subject to identification regulations.

Other information

- Observe normal safety regulations and precautions when handling all chemicals.

Section 3. Composition/Information on Ingredients

Chemical characterization • Article

Description • Small, solid cylindrical rod made from investment material.

Hazardous Components

Chemical Name	Identifiers	%	Classification
Quartz (SiO ₂)	CAS: 14808-60-7 EC Number: 238-878-4	35% to 50%	STOT RE 2, H373
Cristobalite	CAS: 14464-46-1 EC Number: 238-455-4	5% - 40%	STOT RE 2, H373

Section 4. First-Aid Measures

Description of first-aid measures

Inhalation • Move to fresh air. Seek medical attention if problems persist.
 Skin • Wash with water and soap. Seek medical attention if irritation persists.
 Eye • Flush eyes with water for at least 15 minutes. Seek medical attention if problems persist.
 Ingestion • Not expected to occur. Should ingestion take place the person should be monitored for several days to ensure intestinal blockage does not occur. Seek medical attention if problems persist.

Most important symptoms and effects, both acute and delayed

- No data available

Indication of any immediate medical attention and special treatment needed

- No data available

Section 5. Firefighting Measures

Extinguishing media

Suitable extinguishing media

- The product itself will not support combustion. In a sustained fire use an extinguisher appropriate for surrounding area.

Unsuitable extinguishing media

- None known

Special hazards arising from the substance or mixture

- No data available

Advice for firefighters

- Fire fighters should wear complete protective clothing including self-contained breathing apparatus.

Section 6. Accidental Release Measures

Personal precautions, protective equipment and emergency procedures

- None known

Environmental precautions

- Avoid run off to waterways and sewers

Methods and material for containment and cleaning up

Containment/Clean-up measures

- Material is solid. Pick up larger pieces and vacuum any scraps. Place in suitable container for disposal.

Reference to other sections

- No data available

Section 7. Handling and Storage

Precautions for safe handling

Handling

- For personal comfort avoiding excessive contact with skin and using good personal hygiene procedures is recommended.

Condition for safe storage, including any incompatibilities

Technical measures and storage conditions

- No special requirements

Information about common storage area

- No special requirements

Additional storage information

- No data available

Section 8. Exposure Controls/Personal Protection

Control parameters

Occupational Exposure Limit Values (as respirable dust)

Nuisance dusts

OSHA-PEL

- 5 mg/m³ (TWA)

Metal Oxides (CAS No. 1309-48-4)

OSHA-PEL

- 5 mg/m³ (TWA)

Quartz (CAS No. 14808-60-7)

OSHA-PEL

- 0.1 mg/m³ (TWA)

ACGIH-TLV

- 0.025 mg/m³ (TWA)

Exposure Controls

Engineering measures/controls

- Local ventilation should be designed and installed to keep exposure to respirable dust below 0.025 mg/m³

Personal Protective Equipment

Respiratory

- In case of insufficient ventilation, wear suitable respiratory equipment.

Eye/Face

- Wear safety glasses

Hands

- Wear appropriate gloves

Skin/Body

- Lightweight protective clothing

General industrial hygiene considerations

- Wash hands before breaks and at the end of work

Environmental exposure controls

- No data available

Section 9. Physical and Chemical Properties

Appearance/Description	White/Off-White Rod (Similar to chalk in appearance)		
Odor	Odorless	Odor Threshold	No data available
pH	No data available	Specific Gravity	2 - 4
Melting Point/Range	No data available	Boiling Point/Range	No data available
Water Solubility	Insoluble	Viscosity	No data available
Partition coefficient: n-octanol/water	No data available	Decomposition Temperature	No data available
Volatility			
Vapor Pressure	No data available	Vapor Density	No data available
Evaporation Rate	No data available	Explosive Properties	Product is not explosive
Flammability (solid, gas)	Product is not flammable		
Flash Point	No data available	UEL	No data available
Auto-ignition Temperature	No data available	LEL	No data available

Section 10. Stability and Reactivity

Reactivity	• No hazardous reactions known
Chemical Stability	• Product is stable
Possibility of hazardous reactions	• No hazardous reactions known
Conditions to avoid	• No data available
Incompatible materials	• No data available
Hazardous decomposition products	• No dangerous decomposition products known

Section 11. Toxicological Information

Information on toxicological effects

Likely routes of exposure	• Inhalation and skin contact
Acute/potential health effects	
Inhalation	• Inhalation of dust may result in irritation of the upper respiratory tract (mouth, nose, throat)
Skin	• Skin contact with dust may produce itching and temporary mechanical irritation
Eyes	• Eye contact with dusts may produce temporary mechanical irritation
Ingestion	• Product is not easily ingested. May cause temporary mechanical irritation of digestive tract. Intestinal blockage can occur.
Sensitizing effects	• No data available
Acute Toxicity Data	• No data available
Delayed and immediate effects as well as chronic effects from short and long term exposure	• Prolonged and/or massive exposure to dust may cause silicosis.
Carcinogenicity	• Crystalline silica is listed as a Group 1 carcinogen by the IARC. NTP has listed crystalline silica as a carcinogen.

Section 12. Ecological Information

Ecotoxicity	• No data available
Persistence and degradability	• No data available
Bioaccumulative potential	• No data available
Mobility in soil	• No data available
Other adverse effects	• No data available

Section 13. Disposal Considerations

Waste treatment methods

Recommendation	• No data available
Contaminated packaging	• No data available
Other	• No data available

Section 14. Transport Information

Land Transport (DOT)

UN number	• Not applicable
UN proper shipping name	• Not applicable
Transport hazard classes	• Not applicable
Note	• Product is not dangerous according to regulations

Marine Transport

UN number	• Not applicable
UN proper shipping name	• Not applicable
Transport hazard classes	• Not applicable
Marine pollutant	• No
Note	• Product is not dangerous according to regulations

Air Transport

UN/ID number	• Not applicable
UN proper shipping name	• Not applicable
Transport hazard classes	• Not applicable
Note	• Product is not dangerous according to regulations

Section 15. Regulatory Information

Safety, health and environmental regulations/legislation specific for the substance or mixture

OSHA Hazardous Communications Standard (29CFR 1910.1200)	• This product is an article and in prepared form is not considered hazardous
SARA Hazard Categories	• No data available
TSCA	• This product contains materials listed in the TSCA inventory or otherwise complies with TSCA requirements.
CERCLA	• No reportable ingredients
US - SARA - Section 313	• No reportable ingredients
California Prop 65	• This product contains chemicals known by the state of California to cause cancer

Section 16. Other Information

Last Revision Date	• 08/24/2021
Preparation Date	• 03/01/2015

Disclaimer

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