

**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****Other information**

- This product is not subject to identification regulations.
- 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 <sub>2</sub> )	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/m<sup>3</sup> (TWA)

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

OSHA-PEL

- 5 mg/m<sup>3</sup> (TWA)

Quartz (CAS No. 14808-60-7)

OSHA-PEL

- 0.1 mg/m<sup>3</sup> (TWA)

ACGIH-TLV

- 0.025 mg/m<sup>3</sup> (TWA)

### **Exposure Controls**

Engineering measures/controls

- Local ventilation should be designed and installed to keep exposure to respirable dust below 0.025 mg/m<sup>3</sup>

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

<b>Appearance/Description</b>	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
<b>Volatility</b>			
Vapor Pressure	No data available	Vapor Density	No data available
Evaporation Rate	No data available	Explosive Properties	Product is not explosive
<b>Flammability (solid, gas)</b>	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
<b>Acute/potential health effects</b>	
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.
<b>Sensitizing effects</b>	• No data available
<b>Acute Toxicity Data</b>	• No data available
<b>Delayed and immediate effects as well as chronic effects from short and long term exposure</b>	
	• Prolonged and/or massive exposure to dust may cause silicosis.
<b>Carcinogenicity</b>	• 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	• 08/12/2024
Preparation Date	• 03/01/2015

#### Disclaimer

This document has been prepared using data from current manufacturer's SDS's of the component parts of the product and from other sources considered to be technically reliable. This document is not meant to be an all-inclusive document on worldwide hazard communication regulations and shall be used only as a guide. Each user of this material needs to evaluate the conditions of use and design the appropriate protective mechanisms to prevent employee exposures, property damage or release to the environment, in addition to complying with all Federal, State, Provincial and Local laws and regulations. The information contained in this SDS is furnished without warranty, expressed or implied, regarding the accuracy or results obtained from the use thereof. Vacalon assumes no legal responsibility for the use or reliance upon the data in this sheet. In no event will the manufacturer or the distributor be responsible for damages of any nature whatsoever resulting from the use of or reliance upon this information or the misuse of the product.

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