

## Section 1: Identification

### Product Identifier

Product Name Insta-Peg Refractory Peg Material  
 Product Code 31000, 31005

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

Recommended use Used by dental professionals as heat shield and for creating holding fixtures

### 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

- Material is not classified as a hazardous substance or mixture.

### Label elements

- This product is not subject to identification regulations.

### Other information

- Observe normal safety regulations and precautions when handling chemicals.
- Mechanical processing of dried material may result in the release of minimal amounts of lightweight fragments and/or dust. Inhalation of excessive amounts of dust may cause mechanical irritation to the respiratory tract.

## Section 3. Composition/Information on Ingredients

Chemical characterization • Mixture  
 Description • Mixture of water and non-hazardous substances  
 Hazardous Components • Product contains no hazardous components in reportable quantities under current regulations.

## 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 • Rinse out mouth with water. Never give anything by mouth to unconscious person. 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**

- Sizing or binders may decompose in a sustained fire releasing minor quantities of decomposition products.

**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**

- Wear gloves, goggles and suitable protective clothing.

**Environmental precautions**

- Avoid run off to waterways and sewers

**Methods and material for containment and cleaning up**

Containment/Clean-up measures

- Pick up material mechanically and place in suitable container for disposal as required by local regulations.
- Material is not a hazardous waste.

**Reference to other sections**

- No data available

**Section 7. Handling and Storage**

**Precautions for safe handling**

Handling

- Handling of dried product can be a source of dust emissions and therefore the processes should be designed to limit to the amount of handling and/or handling should be carried out under controlled conditions.
- For personal comfort avoiding excessive contact with skin and using good personal hygiene procedures is recommended.

Information about protection against explosion and fires

- No special requirements

**Condition for safe storage, including any incompatibilities**

Technical measures and storage conditions

- Store at normal room temperatures and do not expose to extreme hot or cold temperatures to avoid risk of solidification.
- Protect from heat and direct sunlight.

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

Note

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

Handling of dried material may generate respirable dust. If product is handled in such a way that inhalation of the material is possible, hygiene practices should be utilized to ensure that exposure to respirable particles is within the regulated limits.

**Exposure Controls**

Engineering measures/controls

- Local ventilation should be designed and installed to keep exposure to respirable dust below exposure limits.

Personal Protective Equipment

Respiratory

Eye/Face

Hands

- In case of insufficient ventilation, wear suitable respiratory equipment.
- Wear safety glasses
- Wear appropriate gloves

## Insta-Peg Refractory Peg Material

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 or blue gel		
Odor	Odorless	Odor Threshold	No data available
pH	No data available	Specific Gravity	1.7
Melting Point/Range	No data available	Boiling Point/Range	No data available
Water Solubility	Soluble	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	• Stable at normal temperatures
Possibility of hazardous reactions	• No hazardous reactions known
Conditions to avoid	• Excess heat or freezing
Incompatible materials	• No data available
Hazardous decomposition products	• Binders may decompose in a fire and decomposition products may include carbon monoxide, carbon dioxide, other hydrocarbons and water.

### Section 11. Toxicological Information

#### Information on toxicological effects

Likely routes of exposure • Eyes, Ingestion, skin contact, inhalation (dried material)

#### Acute/potential health effects

Inhalation • When dried material may release dust and inhalation of dust may result in irritation of the upper respiratory tract (mouth, nose, throat)

Skin • Skin contact may produce itching and temporary mechanical irritation

Eyes • Eye contact with fibers and dusts may produce temporary mechanical irritation

Ingestion • May cause temporary mechanical irritation of digestive tract, nausea, vomiting and diarrhea.

#### 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

• No data available

#### Carcinogenicity

• IARC, NTP or OSHA identifies no component of this product that is present at levels greater than or equal to 0.1% as a human 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 information

- Do not discharge product unmonitored into environment

## **Section 13. Disposal Considerations**

### **Waste treatment methods**

Recommendation

Contaminated packaging

Other

- Dispose of in accordance with all local, state and federal regulations.
- Dispose of in accordance with all local, state and federal regulations.
- Waste is not hazardous as defined by RCRA (40 CFR)

## **Section 14. Transport Information**

### **Land Transport**

UN number

UN proper shipping name

Transport hazard classes

Note

- Not applicable
- Not applicable
- Not applicable
- Product is not dangerous according to regulations

### **Marine Transport**

UN number

UN proper shipping name

Transport hazard classes

Marine pollutant

Note

- Not applicable
- Not applicable
- Not applicable
- No
- Product is not dangerous according to regulations

### **Air Transport**

UN/ID number

UN proper shipping name

Transport hazard classes

Note

- Not applicable
- Not applicable
- Not applicable
- 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)

SARA Hazard Categories

TSCA

CERCLA

US - SARA - Section 313

California Prop 65

- This product is not considered hazardous
- No data available
- This product contains materials listed in the TSCA inventory or otherwise complies with TSCA requirements.
- No reportable ingredients
- No reportable ingredients
- This product contains no chemicals known by the state of California to cause cancer or birth defects.

## **Section 16. Other Information**

Last Revision Date

Preparation Date

- 08/12/2024
- 03/01/2015

### **Disclaimer**

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