

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/m³ (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

Appearance/Description	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
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	• 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

- 08/24/2021
- 03/01/2015

Disclaimer

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