

MATERIAL SAFETY DATA SHEET — 16 Sections

SECTION 1 — PRODUCT AND COMPANY IDENTIFICATION

Product Name and Codes: Fiber-Free Tray Liner 2", 2 1/2", 3" Squares & 2.75" Circle Item No. 30702, 30703, 30704		Product Synonyms: Firing tray liner	
Product Use: Used by dental technicians for porcelain firing		Product Packages: Plastic box	
Manufacturer's Name: Vacalon Company Inc			
Street Address: 12960 Stonecreek Dr, Ste C			
City: Pickerington		State: OH	Country: USA
Contact Information For General Product Details (Mon - Fri 9:00 am - 5:00 pm EDT)			
Zip Code: 43147	Telephone Number: 614-577-1945	Fax Number: 614-759-4999	
Date MSDS Prepared: May 1, 2008			

SECTION 2 — COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous Ingredients	%	CAS Number	OSHA PEL	ACGIH TLV
Amorphous Silica		7631-89-9	80 mg/m <sup>3</sup>	10 mg/m <sup>3</sup>
Hydrocarbon Coating		None Assigned	20 mppcf	

SECTION 3 — HAZARDS IDENTIFICATION

Route of Entry	<input checked="" type="checkbox"/> Skin Contact	<input checked="" type="checkbox"/> Ingestion	<input checked="" type="checkbox"/> Eye Contact	<input checked="" type="checkbox"/> Inhalation
[Emergency Overview] Appearance: Off white or tan colored flexible woven fabric Odor: None				
[Potential Health Effects] - Inhalation: Inhalation of airborne fibers may cause irritation of the mouth, nose and throat - Eyes: Slight irritation may be caused by contact with eye - Ingestion: May cause temporary irritation of the digestive tract, but not an expected route of entry in normal use - Skin: Temporary irritation of the skin may be produced				

SECTION 4 — FIRST AID MEASURES

Skin Contact:	Remove any contaminated clothes. Then wash with plenty of water for 15 - 20 minutes.
Eye Contact:	Flush eyes with large amount of water for at least 15 minutes. Seek attention if irritation persists.
Inhalation:	Move subject to fresh air if presenting symptoms or if excessive inhalation takes place or if presenting symptoms.
Ingestion:	Product does not lend itself to ingestion. If ingested seek medical attention immediately. Accidental ingestion of a small amount is not expected to cause significant harm. Do not induce vomiting.

Note: In severe cases contact physician and/or poison control center immediately. Have product or label available and follow advice given.

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SECTION 5 — FIRE FIGHTING MEASURES

Flammable	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	General Hazards None known	
Means of Extinction: Extinguishing Media: CO <sub>2</sub> , Foam, Dry Chemical, Water Spray.			
Flashpoint (°C) and Method	N/A	Upper Flammable Limit (% by volume)	Lower Flammable Limit (% by volume)
Autoignition Temperature	N.D.	Explosion Data - Sensitivity to Impact	Explosion Data - Sensitivity to Static Discharge
Special Fire Fighting Procedures	In a sustained fire a self-contained breathing apparatus (pressure-demand, MSHA/NIOSH approved or equivalent) and full protective gear should be worn.		
Unusual Fire and Explosion Hazards: None known			

SECTION 6 — ACCIDENTAL RELEASE MEASURES

Leak and Spill Procedures Dust or loose fibers can be vacuum swept with the aid of a dust suppressant. Dispose according to federal, state and local environmental regulations.
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SECTION 7 — HANDLING AND STORAGE

Handling Procedures and Equipment
Storage Requirements Store in a cool, dry area.
Other Precautions

SECTION 8 — EXPOSURE CONTROL / PERSONAL PROTECTION

Specific Engineering Controls (such as ventilation, enclosed process) If necessary local ventilation should be designed and installed to prevent overexposure.
Personal Protective Equipment <input checked="" type="checkbox"/> Gloves <input checked="" type="checkbox"/> Respirator <input checked="" type="checkbox"/> Eye Footwear <input checked="" type="checkbox"/> Clothing Other
If checked, please specify type Gloves: Chemical resistant gloves are recommended if prolonged or repeated skin contact is likely Respirator: None required if good ventilation is maintained. Otherwise self contained breathing apparatus (pressure-demand, MSHA/NIOSH - approved or equivalent.) Eye: None required. Safety glasses are recommended to prevent eye contact. Clothing: None required. Use of lab coat/jacket can protect clothing.

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SECTION 9 — PHYSICAL AND CHEMICAL PROPERTIES

Physical State Solid woven fabric	Odor and Appearance Off white or grey, odorless	Vapour Pressure N/E
Specific Gravity (H <sub>2</sub> O = 1) 2.2	Vapour Density (Air = 1) N/E	Melting Point 1650°C (3000°F)
Evaporation Rate (Butyl Acetate = 1) N/A	Boiling Point (°C) N/A	
pH N/A	Solubility in water Not soluble	Other

SECTION 10 — STABILITY AND REACTIVITY

Chemical Stability <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	If no, under which conditions?
Incompatibility with Other Substances <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	If yes, which ones? Basic phosphates, hydrofluoric acids and some oxides and hydroxide
Reactivity, and under what conditions? None known	
Hazardous Decomposition or By-Products Oxidation of the coating produces carbon dioxide, carbon monoxide, other hydrocarbons and water	
Hazardous Polymerization Does not occur under normal conditions	

SECTION 11 — TOXICOLOGICAL INFORMATION

LD50 Information	
Oral: N/A	Dermal: N/A
Inhalation: N/A	LC50: None Established
Chronic/Carcinogenicity Material subjected to temperatures above 1000°C (1800°F) may undergo partial conversion to cristobalite, a form of silica, which may cause respiratory illness. The amount of cristobalite present will depend on the temperature and length of service. The OSHA-PEL for cristobalite is 0.05 mg/m <sup>3</sup> .	

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SECTION 12 — ECOLOGICAL INFORMATION

Ecological Information No information is available, however the toxicity is expected to be low based on the insolubility in water of the product.
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SECTION 13 — DISPOSAL CONSIDERATIONS

Waste Disposal Dispose of waste in accordance with federal, state and local environmental regulations.
RCRA Hazard Class This material is not regulated

SECTION 14 — TRANSPORT INFORMATION

Special Shipping Information	
DOT No special requirements	WG Other
IATA	

SECTION 15 — REGULATORY INFORMATION

OSHA Considered hazardous under OSHA Hazard Communication	California Prop 65 Contains no known substances known to cause cancer, birth defects, other
SARA 311 None	TSCA
SARA 311/312 Reportable Ingredients: None	All ingredients are listed in the TSCA inventory

SECTION 16 — OTHER INFORMATION

HMS Hazard Rating	1 Health	0 Fire	0 Reactivity	Hazard: 4-Severe; 3-Serious; 2-Moderate; 1-Minimum
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