

Section 1: Identification

Product Identifier

Product Name Fiber-Free Tray Liner
 Product Code 30702, 30703, 30704

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

Recommended use Used by dental professionals as a heat shield/protective liner for firing porcelain

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 the normal safety regulations and precautions when handling all chemicals.

Section 3. Composition/Information on Ingredients

Chemical characterization • Article
 Description • Cloth made continuous silicon dioxide filament with a coating applied to it.
 Hazardous Components

Chemical Name	Identifiers	%	Classification
Silicon Dioxide, continuous filament		> 90	

Non-hazardous Components

Sizing/bound water		< 10	
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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. Do not rub or scratch irritated areas, as it may force fibers into skin. 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 and should seek medical attention if necessary.

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

- 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.
- Material is not a hazardous waste.

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.

Information about protection against explosion and fires

- Product is not flammable
- No special requirements

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

Fiber-Free Tray Liner

Amorphous silica, continuous filament

OSHA PEL

ACGIH-TLV

Note:

- None established
- 10 mg/m³ (TWA)
- OSHA has not established a specific PEL for fibrous silicon dioxide (amorphous silica). It is considered a "particulate not otherwise specified" (PNOR) and it is covered under OSHA nuisance dust PEL's of 5 mg/m³ for the respirable dust fraction and 15 mg/m³ for the total dust fraction for an 8 hour TWS. Chemcially Fiber-Free is an amorphous silica which has an OSHA limit of 20 mppcf or 80 mg/m³ TWA.

Exposure Controls

Engineering measures/controls

- General ventilation should be provided, as necessary, to maintain exposures below PEL's or TLV's.

Personal Protective Equipment

Respiratory

Eye/Face

Hands

Skin/Body

- In case of insufficient ventilation, wear suitable respiratory equipment.
- Wear safety glasses
- Wear appropriate gloves
- Lightweight protective clothing
- Wash hands before breaks and at the end of work

General industrial hygiene considerations

Environmental exposure controls

- No data available

Section 9. Physical and Chemical Properties

Appearance/Description	White/Off-white cloth		
Odor	Odorless	Odor Threshold	No data available
pH	No data available	Specific Gravity	2.2
Melting Point/Range	> 1650°C (3000°F)	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

Chemical Stability

Possibility of hazardous reactions

Conditions to avoid

Incompatible materials

Hazardous decomposition products

- No hazardous reactions known
- Stable at normal temperatures
- No hazardous reactions known
- No data available
- Basic phosphates, hydrofluoric acids, some oxides and hydroxides
- Sizing or binders may decompose in a fire with primary decomposition products including carbon monoxide, carbon dioxide, other hydrocarbons and water.

Section 11. Toxicological Information

Information on toxicological effects

Likely routes of exposure

- Inhalation and skin contact

Acute/potential health effects

Inhalation

- Inhalation of dust and fibers may result in irritation of the upper

Skin	respiratory tract (mouth, nose, throat) <ul style="list-style-type: none"> • Skin contact with dust and fibers may produce itching and temporary mechanical irritation
Eyes	<ul style="list-style-type: none"> • Eye contact with fibers and dusts may produce temporary mechanical irritation
Ingestion	<ul style="list-style-type: none"> • Product is not easily ingested. May cause temporary mechanical irritation of digestive tract. Intestinal blockage can occur.
Numerical measures of toxicity	<ul style="list-style-type: none"> • No data available
Sensitizing effects	<ul style="list-style-type: none"> • No data available
Delayed and immediate effects as well as chronic effects from short and long term exposure	
Carcinogenicity	<ul style="list-style-type: none"> • See below regarding carcinogenicity • Product in service at elevated temperatures for long periods of time may undergo conversion to cristobalite, a form of crystalline silica. Crystalline silica is listed by IARC as a Group 1 carcinogen to humans. NTP has listed crystalline silica as a known human carcinogen.

Section 12. Ecological Information

Ecotoxicity	<ul style="list-style-type: none"> • No data available
Persistence and degradability	<ul style="list-style-type: none"> • No data available
Bioaccumulative potential	<ul style="list-style-type: none"> • No data available
Mobility in soil	<ul style="list-style-type: none"> • No data available
Other information	<ul style="list-style-type: none"> • Do not discharge product unmonitored into environment

Section 13. Disposal Considerations

Waste treatment methods

Recommendation	<ul style="list-style-type: none"> • Dispose of in accordance with all local, state and federal regulations.
Contaminated packaging	<ul style="list-style-type: none"> • Dispose of in accordance with all local, state and federal regulations.
Other	<ul style="list-style-type: none"> • Waste is not hazardous as defined by RCRA (40 CFR)

Section 14. Transport Information

Land Transport (DOT)

UN number	<ul style="list-style-type: none"> • Not applicable
UN proper shipping name	<ul style="list-style-type: none"> • Not applicable
Transport hazard classes	<ul style="list-style-type: none"> • Not applicable
Note	<ul style="list-style-type: none"> • Product is not dangerous according to regulations

Marine Transport

UN number	<ul style="list-style-type: none"> • Not applicable
UN proper shipping name	<ul style="list-style-type: none"> • Not applicable
Transport hazard classes	<ul style="list-style-type: none"> • Not applicable
Marine pollutant	<ul style="list-style-type: none"> • No
Note	<ul style="list-style-type: none"> • Product is not dangerous according to regulations

Air Transport

UN/ID number	<ul style="list-style-type: none"> • Not applicable
UN proper shipping name	<ul style="list-style-type: none"> • Not applicable
Transport hazard classes	<ul style="list-style-type: none"> • Not applicable
Note	<ul style="list-style-type: none"> • Product is not dangerous according to regulations

Section 15. Regulatory Information

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

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| <p>OSHA Hazardous Communications Standard (29CFR 1910.1200)</p> <p>SARA Hazard Categories</p> <p>TSCA</p> <p>CERCLA</p> <p>US - SARA - Section 313</p> <p>California Prop 65</p> | <ul style="list-style-type: none"> • This product is not considered hazardous • Acute health • This product contains materials listed in the TSCA inventory or otherwise complies with TSCA requirements. • No reportable ingredients • No reportable ingredients • This product contains chemicals known by the state of California to cause cancer or birth defects. |
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Section 16. Other Information

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| <p>Last Revision Date</p> <p>Preparation Date</p> | <ul style="list-style-type: none"> • 08/24/2021 • 03/01/2015 |
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Disclaimer

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