



SAFETY DATA SHEET

1. PRODUCT AND COMPANY IDENTIFICATION

1.1 Product Identifier

Product Form: 5% Wax Solution
Substance Name: Surface Seal
Product Code(s): 06322, 06324, 0632P, 0632Q, 0632G, 0632F
Synonyms:

1.2 Details of the Supplier of the Safety Data Sheet

Fiberlay Inc.
1468 Northgate Blvd
Sarasota, FL 34234
T 206-782-0660
F 888-782-0662
www.Fiberlay.com

1.3 Emergency Telephone Number

Emergency Number: CHEMTREC: Domestic - 800-424-9300
International- 703-527-3887

2. HAZARDS IDENTIFICATION

Hazard / Risk Classification

Flammable liquid: (Classification 3)
May cause skin irritation: (Classification 2)
May cause eye irritation: (Classification 2)

Label elements including precautionary statements

Symbol:



Signal Word: danger

Hazard / Risk Statement:

H226: Flammable liquid and vapor
H315: Causes skin irritation.
H319 Causes serious eye irritation.

Precautionary Statement:

- P201: Obtain special instructions before use.
- P202: Do not handle until all safety precautions have been read and understood.
- P210: Keep away from heat/sparks/open flames/hot surfaces – No smoking.
- P233: Use ex Keep container tightly closed.
- P240: Ground/bond container and receiving equipment.
- P241: Explosion-proof electrical / ventilating/light / ... / equipment.
- P242: Use only non-sparking tools.
- P243: Take precautionary measures against static discharge.
- P260: Do not breathe dust / fume/ gas / mist /vapors / spray.
- P261: Avoid breathing dust/fume/gas/mist/vapors/spray.
- P264: Wash ... thoroughly after handling.
- P270: Do not eat, drink or smoke when using this product.
- P271: Use only outdoors or in a well-ventilated area.
- P273: Avoid release to the environment.
- P280: Wear protective gloves/protective clothing / eye protection / face protection.
- P281: Use personal protective equipment as required.

Treatment:

- P304+340: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing
- P303+P361+P353: IF ON SKIN (or hair): Remove/take off immediately all contaminated clothing. Rinse skin with water/shower.
- P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- P370+P378: In case of fire: Use appropriate media for extinction.
- P302+P352: IF ON SKIN: Wash with plenty of soap and water.
- P321: Specific treatment (see details on label).
- P332+P313: If skin irritation occurs: Get medical advice/attention.
- P362: Take off contaminated clothing and wash before reuse.
- P308+P313: IF exposed or concerned: Get medical advice/attention.
- P304+P340: IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing.
- P312: Call a POISON CENTER or doctor/physician if you feel unwell.
- P314: Get medical advice/attention if you feel unwell.
- P301+P310: IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
- P331: Do NOT induce vomiting.

Storage:

- P403+233: Store in a well ventilated place. Keep container tightly closed
- P403+235: Store in a well ventilated place. Keep cool
- P405: Store locked up

Disposal:

- P501: Dispose of contents and container to appropriate waste site or re-claimer in accordance with

local and national regulations.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	CAS No.	Content (%)
Paraffin wax	8002-74-2	5- 10
Styrene Monomer	100-42-5	90 - 95

4. FIRST AID MEASURES

Eye contact: Irrigate with eyewash solution or clean water, holding the eyelids apart, for at least 15 minutes.

Obtain medical attention if ill effects occur.

Skin contact: Wash skin with water. If symptoms develop, obtain medical attention.

Inhalation: Remove patient from exposure, keep warm and at rest. Obtain medical attention if ill effects occur.

Ingestion: Wash out mouth with water. Obtain medical attention if ill effects occur.

Indication of immediate medical attention and notes for physician: Symptomatic treatment and supportive therapy as indicated.

5. FIRE FIGHTING MEASURES

Suitable (and unsuitable) extinguishing media: To be used: Extinguishers (like powder, alcohol resistant foam, CO2 or B-class), dried sand. Not to be used: Water spray .

Specific hazards arising from the chemical: By combustion, formation of toxic products: carbon, carbon monoxide and carbon dioxide

Special protective equipment and precautions for fire-fighters: In case of fire and / or explosion do not breathe fumes. Product may give off toxic fumes in a fire: wear breathing apparatus. Water may be used to cool closed containers to prevent pressure build-up.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures: Wear suitable protective clothing, protective gloves (made of PVC or Rubber) and protective goggles / mask.

Environmental precautions and protective procedures: Prevent product spill from entering sewers, streams, or drinking water supplies. Collect liquid or soak up with inert filler or an absorbent, such as dry earth, sand, or oil absorbent (sweeping) compound. Collect material into suitable containers for disposal.

Methods and materials for containment and cleaning up: Contain and absorb large spills onto an inert, non-flammable adsorbent carrier (such as earth or sand). Shovel into open-top drums or plastic bags for further decontamination, if necessary. Wash the spill area clean with a liquid decontaminant. Remove and properly dispose of residues.

7. HANDLING AND STORAGE

Precautions for safe handling: Ensure adequate ventilation or exhaust ventilation in the working area. Exhaust ventilation necessary if product is sprayed. Use explosion proof electrical equipment. Ensure proper electrical grounding procedures are in place.

Conditions for safe storage (including any incompatibilities): Keep at a dry place. Avoid storage above 30 °C. Keep away from heat sources and sunlight. It should be stored in closed container maintained below 30 °C.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Chemical Name	Occupation Safety & Health Agency (OSHA)			
	TWA		STEL	
	ppm	mg/m ³	ppm	mg/m ³
Styrene Monomer	50	215	100	425

Appropriate engineering controls: Use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits.

Personal protective equipment

Respiratory protection: An organic vapor cartridge or fresh air supplied respirator is recommended in closed rooms or areas.

Eye protection: Safety goggles or glasses are recommended.

Hands protection: Gloves should be worn. Nitrile rubber shows excellent resistance. Butyl rubber, neoprene and PVC are also effective.

Body protection: Use protective clothing chemically resistant to this material. Selection of specific items such as face shield, boots, apron, or full body suit will depend on the task.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance (physical state, color etc.): Clear liquid

Odor: Pungent odor

Odor threshold: -

pH: -

Melting point / freezing point: -30.6 °C (-23 °F) (Styrene Monomer)

Initial boiling point and boiling range: 145 °C (293 °F) - Styrene monomer

Flashing point: CLOSED CUP: 31.1°C (88°F) - Styrene monomer

Evaporation rate: -

Flammability (solid, gas):

Upper / lower flammability or explosive limits: LOWER: 1.1% UPPER: 6.1 %(vol %) - Styrene monomer

Vapor pressure : 6.4mmHg at 25 °C - Styrene Monomer

Solubility : Insoluble

Vapor density : 3.6 -Styrene Monomer

Relative density : Specific gravity 1.0 - 1.2 (25 °C)

Partition coefficient : n-octanol / water : 2.95 - Styrene Monomer

Auto-ignition temperature : 490 °C(914 °F) - Styrene Monomer

Decomposition temperature : -

Viscosity : -

Formula mass : -

10. STABILITY AND REACTIVITY

Stability & Hazardous reaction : Stable

Conditions to avoid : Heating and direct sunlight

Materials to avoid : Type of peroxide(MEKPO, BPO, TBPB etc.)

Hazardous decomposition products : Heating of this material to decomposition may cause the emission of irritating acrid fumes.

11. TOXICOLOGICAL INFORMATION

Information on the likely routes of exposure : Exposure may occur via inhalation, ingestion, skin absorption, skin or eye contact, and accidental ingestion.

Health hazards information

Acute toxicity (Oral) : LD50 2,650 mg/kg - mouse (Styrene Monomer)

Acute toxicity (Skin) : LD50 >5,010 mg/ kg - rabbit (Styrene Monomer)

Acute toxicity (Inhalation) : LC50 11.7 mg/l 4 hr - mouse (Styrene Monomer)

Skin corrosion / irritant : Causes skin irritation. (Styrene Monomer)

Serious eye damage / eye irritation : Causes eye irritation and decreased visual acuity (Styrene Monomer)

Respiratory sensitization : irritation, vomiting, dyspnea, headache

Skin sensitization : no data available

Carcinogenicity : no data available

Germ Cell Mutagenicity : no data available

Reproductive toxicity : no data available

Specific target organ toxicity (single exposure) : irritation, headache

Specific target organ toxicity (repeated exposure) : central nervous system

Aspiration hazard : no data available

Other Information: no data available

12. ECOLOGICAL INFORMATION

Ecotoxicity :

Fish : LC50 4.02 mg/l 96 hr (Styrene Monomer)

Aquatic Invertebrates : LC50 12.1 mg/ l 96 hr (Styrene Monomer)

Algae : EC50 78 mg/ l 96 hr (Styrene Monomer)

Persistence and degradability :

Persistence : log Kow 2.95

Degradability : no data available

Bioaccumulative potential : no data available

Mobility in soil : no data available

Other adverse effects : no data available

13. DISPOSAL CONSIDERATIONS

Disposal method: Disposal should be in accordance with existing federal, state and local environmental control laws.

Disposal precaution (including the disposal method of contaminated container and packaging) : Regulatory information with regard to this substance in your country should be examined by your own responsibility. Does not enter to the sewage system.

14. TRANSPORT INFORMATION

UN number : UN1866

UN proper shipping name : Flammable Liquid Resin Solution

Transport hazard class : 3



Packing group (if applicable) : III

Sea Transport (GGVSee / IMDG) : GGVSee / IMDG Code : 3 UN No. : 1866 PG : III

Land Transport (RID / ADR) : RID / ADR : 3 PG : III GGVE / GGVS : 3 PG : III

Inland Waterway Transport (ADNR) : ADNR : 3 PG : III

Air Transport (ICAO / IATA-DGR) : ICAO / IATA-DGR : 3 UN No. 1866 PG : III

Marin pollution (yes / no) : yes

Special precaution which a user to be aware of or needs to comply with in connection with transport or conveyance either within or outside their premises : no information available

15. REGULATORY INFORMATION

OSHA Hazcom Standard Rating: Hazardous

TSCA Inventory Status: This product and/or all of its components are included on the TSCA Inventory of Chemical Substances.

SARA 313 Toxic Chemicals: This product and/or all of its components are included on the SARA 313 Inventory of Chemical Substances.

SARA 302 Extremely Hazardous Substances: This product and/or all of its components are included on the SARA 302 Inventory of Chemical Substances.

Cercla Hazardous Substances: This product and/or all of its components are included on the EAP OR HOVENSA Inventory of Chemical Substances.

16. OTHER INFORMATION

Fiberlay Inc. believes the law requires us to inform you that detectable amounts of any of the listed chemicals might be present in Fiberlay products. Based on a review of the list, Fiberlay products, like all synthetic and naturally occurring chemical substances, may conceivably contain trace contaminants of some of the listed substances. While not necessarily added to our products as ingredients, some of the listed chemicals may be present in the raw materials as received from suppliers over which we have no control.

Preparation Date: 4-13-16

Prepared by: Kevin Aber

Comments: This Safety Data Sheet was prepared using information provided by Fiberlay Inc.

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