



MATERIAL SAFETY DATA

Chemtrec 24-Hour Emergency Telephone

Domestic North America (800) 424-9300

International (800) 527-3887

This MSDS complies with 29 CFR 1910.1200 (Hazard Communications)

1. Product and Supplier Identification

Product Name: Surface Seal

Product Number: 06324D, 06324F, 06324G, 06324P, 06324Q

Date of Prep: 10-30-2010

Product Type: Coatings Product

Supplier: Fiberlay Inc.
24 S. Idaho S.
Seattle, Wa 98134
(206)782-0660

2. Composition/Information On Ingredients

CAS No.	Chemical Name	% (by weight)
100-42-5	Styrene VOC	90-95

3. Hazards Identification

Primary Routes of Exposure:

- Inhalation
- Ingestion
- Skin absorption

Potential Health Effects:

- **Eye:** Corneal injury / eye damage
- **Skin:** May cause an allergic skin reaction
- **Ingestion:** None known
- **Inhalation:**
 - ✓ May cause irritation of the respiratory tract
 - ✓ May irritate mouth, nose, and throat
- **Other:** May cause central nervous system

Chronic Health Effects:

- May cause eye damage and pain
- May cause redness and blistering of skin
- Contains ingredients which have been shown in laboratory animals to cause liver and kidney damage
- Possible sensitization

4. First Aid Measures

Eyes:

- In case of contact, or suspected contact, immediately flush eyes with plenty of water for at least 15 minutes
- Get medical attention immediately after flushing

Skin:

- Immediately flush skin with soap and water for at least 15 minutes
- If irritation persists, get medical attention
- Remove contaminated clothing and shoes
- Wash clothing and shoes before reuse

Ingestion:

- .Get medical attention immediately

Inhalation:

- Move to fresh air
- Seek medical attention if symptoms persist

Medical conditions aggravated by exposure: Any respiratory or skin condition

5. Fire Fighting Measures

Autoignition Temperature: Not available

Flash Point: 88°F (31°C) TCC/PM

Flammable Limits - LEL: 1%

Flammable Limits - UEL: 6%

Sensitivity to impact: No

Sensitivity to static discharge: Subject to static discharge hazards; see bonding & grounding Information in Section 7

Hazardous combustion products: See Section 10

Fire and Explosion Hazards: None known

Extinguishing Media:

- Carbon dioxide
- Dry chemical
- Foam
- Water fog

Fire Fighting Instructions:

- Use water spray to cool nearby containers and structures exposed to fire

6. Accidental Release Measures

- Ventilate area
- Avoid breathing vapors
- Use self-containing breathing apparatus or airmask for large spills in a confined area
- Wipe, scrape or soak up in an inert material and put in a container for disposal
- Remove sources of ignition
- Remove with inert absorbent and non-sparking tools
- Avoid all personal contact

7. Handling and Storage

Handling & Storage:

- Based on flash point and vapor pressure, suitable storage should be provided in accordance with OSHA regulation 1910.106, Ontario OH&S regulation 851 section 22.
- Keep away from heat, sparks and flames
- Keep container closed when not in use
- Empty containers may contain product residue, including flammable or explosive vapors
- Do not cut, puncture or weld on or near container
- All label warnings must be observed until the container has been commercially cleaned or reconditioned
- If product is used near or above the flashpoint, an ignition hazard may be present
- Activities, uses, or operations which liberate vapor (such as mixing, or free fall of liquids) may also present an ignition hazard
- Ensure containers and other interconnected equipment are properly bonded and grounded at all times
- Do not store above 85°F (29.4°C)
- Keep drum out of sun and away from heat

8. Exposure Controls / Personal Protection

Engineering Controls:

Ventilation:

- Required when spraying or applying in confined area
- Ventilation equipment should be explosion proof
- Eliminate ignition source

Personal Protective Equipment:**Eye Protection:**

- Wear chemical goggles with splash shields or face shield
- Contact lenses should not be worn when working with chemicals because contact lenses may contribute to severity of an eye injury In case of exposure

Skin Protection:

- Gloves: Neoprene or other nonporous
- Neoprene or plastic apron and protective clothing covering exposed skin areas

Respiratory Protection: (If exposure cannot be controlled below applicable imits)

- Use appropriate NIOSH approved respirator such as an air purifying respirator with organic vapor cartridge and dust / mist filter
- Consult the respirator manufacturer's literature for instructions

Exposure Guidelines:**OSHA Permissible Exposure Limits (PEL's)**

Common Name CAS No.	Approx Wt %	TWA (final)	Ceilings limits (final)
Styrene Monomer 100% VOC 100-42-5	90-95	100ppm	200 ppm

ACGIH Threshold Limit Value (TLV's)

Common Name CAS No.	Approx Wt %	TWA (final)	Ceilings limits (final)
Styrene Monomer 100% VOC 100-42-5	90-95	20ppm	40 ppm

9. Physical and Chemical Properties
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Physical State	Liquid	Boiling Point:	293°F (145°C)
Odor / Color	Normal for this product	Solubility in Water:	Insolubility
pH	Not determined	Density:	7.5 lbs per US gallon
Vapor Pressure:	5mmHg @ 68°F (20°C)	Specific Gravity	.9
Vapor Density:	5 (air = 1.0)	Evaporation Rate:	.01

10. Stability and Reactivity

Stability:

- Product contains an inhibitor and is stable under normal conditions

Materials and Conditions to Avoid:

- Heat
- Contact with peroxides or other catalysts

Incompatibility:

- Strong oxidizers
- Acids or alkalis

Hazardous Polymerization:

- May polymerize when exposed to heat

Hazardous Decomposition or By-Products

- Carbon monoxide
- Carbon dioxide
- Aldehydes

Sensitivity to Static Discharge:

- Subject to static discharge hazards

11. Toxicological Information

Carcinogens:

- Contains styrene which is listed by IARC as a possible human carcinogen based on animal data
- Long term animal studies nor human epidemiology studies of workers exposed to styrene provide an adequate basis to conclude styrene is carcinogenic

Common Name CAS No.	Approx Wt %	ARC Group 2b Sufficient animal data
Styrene Monomer 100% VOC 100-42-5	90-95	Monograph 60, 1994; (overall evaluation upgraded from 3 to 2B with supporting evidence from other data relevant to the evaluation of carcinogenicity and its mechanisms)

12. Disposal Considerations

Disposal should be made in accordance with federal, state and local regulations.

13. Transport Information

US Department of Transportation:

Proper Shipping Name: Paint
 Hazard Class: 3
 UN ID Number: UN1263
 Packing Group: III

49 CFR Hazardous Material Regulations Parts 100-180

The supplier will apply the combustible liquid exception in 49 CFR 173.150(f), limited quantity or “does not sustain combustion” exceptions and consumer commodity rules, when authorized. Please check 49 CFR Parts 100-180 to determine if the use of these exceptions applies to your shipments when re-shipping.

International Air Transport Association:

Proper Shipping Name: Paint
 Hazard Class: 3
 UN ID Number: UN1263
 Packing Group: III

International Maritime Organization:

Proper Shipping Name: Paint
 Hazard Class: 3
 UN ID Number: UN1263
 Packing Group: III

14. Regulatory Information

US Federal Regulations:

Common Name CAS No.	Approx Wt %	SARA 313	CERCLA RQ in lbs
Styrene Monomer 100% VOC 100-42-5	90-95	Form R reporting required for 0.1% de minimis concentration	1000

SARA 311/312 Hazard Class:

Acute: Yes
 Chronic: Yes
 Flammability: Yes
 Reactivity: No
 Sudden Pressure: No

US State Regulations:

- **Pennsylvania Right to Know:** Styrene Monomer 100% VOC 100-42-5

Additional Non-Hazardous Materials: Proprietary Additive Trade Secret

Rule 66 status of product: Not photochemically reactive

International Regulations: Chemical Inventories

- **TSCA Inventory:** All components of this product are in compliance with US TSCA Chemical Substance Inventory Requirements
- **Canada Domestic Substances List:** All components of this product are listed on the Domestic Substances List

15. Other Information

HMIS Hazard Classification

Health: 3 Flammability: 3 Reactivity: 2 Protection: X

Preparation Date: 10-30-2010

Prepared by: Fiberlay Inc

Comments: This Material Safety Data Sheet was prepared using information provided by Fiberlay Inc, and CCINFO

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Revisions: None