

# Marlen Textiles

## Safety Data Sheet

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### 1. Identification

**Product identifier** Odyssey FR

#### Other means of identification

**Generic name** Acrylic coated polyester

**Synonyms** Coated fabric, Odyssey IV

**Recommended use** Boat covers, awnings, banners, gazebos, air ducts, and canopies

**Recommended restrictions** Use in accordance with manufacturer's recommendations.

#### Manufacturer/Supplier/Distributor information

**Company name** Marlen Textiles  
**Address** 500 Orchard Street  
New Haven, Missouri 63068  
**Telephone** (573)-237-4444 (Monday through Friday, 8AM to 4PM CST)  
**Website** www.marlentextiles.com  
**Emergency number** (573)-237-4444

### 2. Hazard(s) identification

**OSHA defined hazards** Not classified

#### Label elements

**Labelling (GHS)** Not a hazardous substance or mixture

**Hazard(s) not otherwise Classified (HNOC)** None known.

### 3. Composition/information on ingredients

#### Components

Fabric consists of 100% polyester.

#### Mixtures

Chemical name	CAS number	%
Acrylic coating mixture	Proprietary mixture	38

**Composition comments** Component(s) could be considered hazardous in pure form, none are significantly hazardous in the finished product due to dilution and encapsulation and pose no significant threat to human health or environment unless the product is ground into a powder form of breathable size and the dust inhaled.

When used for its intended purpose, this material is not classified as hazardous under Federal OSHA 29 CFR 1910.1200 regulations. This SDS contains valuable information critical to the safe handling and proper use of this product. The SDS should be retained and available for employees and other users of this product.

#### 4. First-aid measures

<b>Inhalation</b>	No special measures required.
<b>Skin contact</b>	Rinse area with warm water and soap.
<b>Eye contact</b>	Do not rub eyes. Flush eyes thoroughly with flowing water for a minimum of 15 minutes. If irritation persists, seek medical attention.
<b>Ingestion</b>	If swallowed, rinse mouth with plenty of water. Seek medical attention immediately.
<b>Most important symptoms/ delayed</b>	None known. <b>effects, acute and</b>
<b>Indication of immediate medical attention and special treatment needed</b>	Treat symptomatically.
<b>General information</b>	Ensure that medical personnel are aware of the material(s) involved.

#### 5. Fire-fighting measures

<b>Suitable extinguishing media</b>	On large fires use dry chemical, foam or water spray. On small fires use carbon dioxide (CO <sub>2</sub> ), dry chemical or water spray.
<b>Unsuitable extinguishing media</b>	None known
<b>Hazardous combustion products</b>	None known
<b>Specific hazards arising from the chemical</b>	When heated to decomposition, product emits irritating fumes. Do not combustion gases.
<b>Special protective equipment and precautions for firefighters</b>	Fire fighters and others exposed to products of combustion should wear full fire turn out gear and self-contained breathing apparatus (pressure demand/NIOSH approved or equivalent). Exposure to combustion products may be hazard to health.
<b>Fire-fighting equipment/ instructions</b>	Use standard firefighting procedures and consider the hazards of other involved materials.
<b>Specific methods</b>	Water can be used to cool fire exposed fabric rolls.

#### 6. Accidental release measures

<b>Personal precautions, protective equipment and emergency procedures</b>	Observe all personal protection equipment recommendations in Section 8. Remove all sources of ignition.
<b>Methods and materials for containment and cleaning up</b>	Product presents no hazards for being contained. If fabric or fabric pieces become loose, sweep and scoop up appropriately.

**Environmental precautions** Product is not hazardous to environmental settings.

## 7. Handling and storage

**Precautions for safe handling** Handle in accordance with good industrial hygiene and safety practices. Use with adequate ventilation. Product may become slippery to walk on when wet. Charges of static electricity may be generated during handling and processing.

**Conditions for safe storage, including incompatibilities** Store under normal conditions, this material is not hazardous. Keep away from moist environments. Prolonged exposure to heat and moisture, once dirt has attached itself to the fabric, may cause mold and mildew growth.

## 8. Exposure controls/personal protection

### Occupational exposure limits

#### US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)

Components	Type	Value
Formaldehyde	TWA	0.75 ppm
	STEL	2 ppm
	Action level	0.5 ppm
Antimony Oxide	TWA	0.5 mg/m <sup>3</sup> as Sb

#### US. ACGIH Threshold Limit Values

Components	Type	Value
Formaldehyde	Ceiling	0.3 ppm (0.37 mg/m <sup>3</sup> )
Antimony Oxide	TWA	0.5 mg/m <sup>3</sup> as Sb

#### US. NIOSH: Pocket Guide to Chemical Hazards Recommended Exposure Limits

Components	Type	Value
Formaldehyde	TWA	0.016 ppm
	Ceiling	0.1 ppm
Antimony Oxide	TWA	0.5 mg/m <sup>3</sup> as Sb

### Biological occupational exposure limit values

Not classified based on available information.

**Appropriate engineering controls** Observe occupational exposure limits and minimize the risk of exposure. Local and general ventilation are recommended for use indoors, especially in confined areas.

### Individual protection measures, such as personal protective equipment

**Eye/face protection** Use approved safety glasses as a minimum.

#### Skin protection

**Hand** Use good industrial hygiene practices by washing at mealtime and end of shifts. If repetitive contact is anticipated, such as sewing operations, protective gloves are recommended.

**Other** Appropriate work clothing is recommended.

**Respiratory protection** If engineering controls do not maintain airborne concentrations below recommended exposure limits or to an acceptable level an approved respirator must be worn. Follow OSHA respirator protection program requirements (OSHA 1910.134) for all respirator usage. Use a NIOSH/MSHA approved air purifying respirator as needed to control exposure.

**General hygiene** Observe good personal hygiene measures, such as washing after handling and before eating, drinking and/or smoking. Routinely wash work clothing and protective equipment separately from regular wash.

**General information** These precautions are for extreme circumstances. This product is not a hazardous material.

## 9. Physical and chemical properties

### Appearance

**Physical state** Solid

**Color** Various colors

**Odor** No objectionable odor

**Odor threshold** No data available

**pH** No data available

**Melting point/freezing point** >255-260°C/No data available

**Initial boiling point and boiling range** No data available

**Flash point** No data available

**Evaporation Rate** No data available

**Flammability (solid, gas)** No data available

### Upper/lower flammability or explosive limits

**Flammability limit – lower (%)** No data available

**Flammability limit – upper (%)** No data available

**Explosive limit – lower (%)** No data available

**Explosive limit – upper (%)** No data available

**Vapor pressure** No data available

**Vapor density** No data available

**Relative density** No data available

**Solubility(ies)** Insoluble in water

**Partition coefficient (n-octanol/water)** No data available

**Auto-ignition temperature** No data available

**Decomposition temperature** No data available

**Viscosity** Solid

### Other information

**Weight** 7.25oz/yd<sup>2</sup>

## 10. Stability and reactivity

<b>Reactivity</b>	This product is non-reactive under normal conditions of use, storage and transport.
<b>Chemical stability</b>	Product is stable under normal conditions.
<b>Possibility of hazardous reactions</b>	Hazardous polymerization does not occur.
<b>Conditions to avoid</b>	Avoid heat, open flames, sparks or any source of ignition.
<b>Incompatible materials</b>	None known.
<b>Hazardous decomposition products</b> following incompletely formaldehyde.	None with proper storage and handling. Thermal breakdown of this product during fire or very high heat conditions may evolve the decomposition products: carbon oxides and traces of burned carbon compounds, hydrocarbons, and

## 11. Toxicological information

### Information on likely routes of exposure

<b>Inhalation</b>	No known hazards based on vapor inhalation. Not a respiratory sensitizer.
<b>Ingestion</b>	Ingestion may cause irritation and stomach discomfort.
<b>Skin contact</b>	Prolonged or repeated contact may cause irritation.
<b>Eye contact</b>	Direct contact may cause irritation.

**Symptoms related to the chemical and toxicological characteristics** None known **physical,**

### Toxicological effects

<b>Acute toxicity</b>	Not classified based on available information.
<b>Acute oral toxicity</b>	Based on available data acute toxic effects are not expected after single oral exposure.
<b>Acute inhalation toxicity</b>	Based on available data a sensitization reaction is not expected from this product.
<b>Skin corrosion/irritant</b>	Based on available data a clinically relevant skin irritation hazard is not expected, though an allergic reaction is possible in persons with pre-existing conditions.
<b>Serious eye damage/ eye irritant</b>	Based on available data a clinically relevant eye irritation hazard is not expected.
<b>Respiratory sensitization</b>	Based on available data a sensitization reaction is not expected from this product.
<b>Skin sensitization</b>	Based on available data a clinically relevant skin irritation hazard is not expected

**Germ cell mutagenicity** Based on known data a significant mutagenic potential may be excluded.

**Carcinogenicity** This product is not considered to be a carcinogen.

**IARC Monographs. Overall Evaluation of Carcinogenicity** No ingredient of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

**ACGIH** No ingredient of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by ACGIH.

**OSHA** No ingredient of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by OSHA.

**NTP Report on Carcinogens** No ingredient of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by NTP.

**Reproductive toxicity** Not classified based on available information.

**Effects on fertility** No data available

**Effects on fetal development** No data available

**Specific target organ toxicity - single exposure** - Not classified based on available information.

**Specific target organ toxicity - repeated exposure** - Not classified based on available information.

**Aspiration hazard** Based on the physical-chemical properties of the end product no aspiration hazard is expected.

## 12. Ecological information

### Ecotoxicity

**Toxicity to fish (Chronic toxicity)** No adverse effects expected.

**Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity)** No adverse effects expected.

**Persistence and degradability** No adverse effects expected.

**Bioaccumulative potential** No adverse effects expected.

**Mobility in soil** No adverse effects expected.

**Other adverse effects** No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, global warming potential) are expected from this product.

## 13. Disposal considerations

**Disposal instructions** This product has been evaluated for Resource Conservation and Recovery Act (RCRA) and does not meet the criteria of hazardous waste when discarded as received. Dispose in accordance with local regulations.

**Contaminated packaging** Not applicable to fabric packaging.

## 14. Transport information

### International regulation

#### UNRTDG

Not regulated as a dangerous good

**IATA-DGR**

Not regulated as a dangerous good

**IMDG-Code**

Not regulated as a dangerous good

**Domestic regulation****49 CFR**

Not regulated as a dangerous good

**15. Regulatory information****US State regulations****California Proposition 65**

This product contains chemical(s) listed by the State of California under the Safe Drinking Water and Toxic Enforcement Act of 1986 (Prop 65) as being known to cause cancer, birth defects or other reproductive harm.

Chemical name	Wt %	CAS number	Warning
Formaldehyde	<0.05	50-00-0	cancer/reproductive
Antimony Oxide	Encapsulated	1309-64-4	cancer

**16. Other information****Latest revision(s)**

Date of revision 06.26.2015

**Further information****NFPA****HMIS**

0 = not significant, 1 = slight  
 2 = moderate, 3 = high  
 4 = extreme, \* = chronic

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