



## SAFETY DATA SHEET

Print date: 05/16/2017

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Revision Number: 1.02

### 1. IDENTIFICATION

**Product identifier**

**Product Name:** SynDeck® Ultra Lightweight Underlayment Part A Resin SA1290FC

**Product code:** SA1290FC

**Other means of identification**

**Synonyms** No information available

**Application**

**Recommended Use** Underlayment  
**Uses advised against** For industrial use only

**Supplier/Manufacturer:**

**Supplier:**  
EPMAR Corporation  
13240 E. Barton Circle  
Whittier, CA 90605-3254  
Phone: 562-946-8781  
FAX: 562-944-9958  
E-mail: she@quakerchem.com  
(For Health and Safety Questions)

**Emergency telephone number:**

\* 24 HOUR TRANSPORTATION:  
\*\*CHEMTREC: 1-800-424-9300  
+703-527-3887 (Call collect outside of US)  
\* 24 HOUR EMERGENCY HEALTH & SAFETY:  
\*\*(800) 523-7010 (Within US only) Outside of US call (703)  
527-3887

### 2. HAZARDS IDENTIFICATION

**Classification**

SA1290FC - SynDeck® Ultra  
Lightweight Underlayment Part A  
Resin SA1290FC

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## OSHA Regulatory Status

This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Skin corrosion/irritation	Category 2
Serious eye damage/eye irritation	Category 2A
Skin Sensitization	Category 1
Germ cell mutagenicity	Category 2
Reproductive toxicity	Category 1B
Specific target organ toxicity (repeated exposure)	Category 2
Chronic aquatic toxicity	Category 2

## Label Elements

### Emergency Overview

<b>DANGER</b>		
<b>Hazard Statements</b> Causes skin irritation Causes serious eye irritation May cause an allergic skin reaction Suspected of causing genetic defects May damage fertility or the unborn child May cause damage to organs through prolonged or repeated exposure Toxic to aquatic life with long lasting effects		
		
<b>Appearance</b> Opaque Blue	<b>Physical State</b> Liquid	<b>Odor</b> Mild

### Precautionary Statements - Prevention

Obtain special instructions before use  
Do not handle until all safety precautions have been read and understood  
Use personal protective equipment as required  
Wash face, hands and any exposed skin thoroughly after handling  
Contaminated work clothing should not be allowed out of the workplace  
Wear protective gloves  
Do not breathe dust/fume/gas/mist/vapors/spray  
Avoid release to the environment

### Precautionary Statements - Response

IF exposed or concerned: Get medical advice/attention  
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing  
If eye irritation persists: Get medical advice/attention  
IF ON SKIN: Wash with plenty of water and soap  
Take off contaminated clothing and wash it before reuse  
If skin irritation or

rash occurs: Get medical advice/attention  
Collect spillage

**Precautionary Statements - Storage**

Store locked up

**Precautionary Statements - Disposal**

Dispose of contents/container to an approved waste disposal plant

**Hazards not otherwise classified (HNOC)**

None known

**Other Information**

May be harmful in contact with skin.

**Unknown acute toxicity** 0% of the mixture consists of ingredient(s) of unknown toxicity

**3. COMPOSITION/INFORMATION ON INGREDIENTS**

Chemical Name	CAS No.	Weight-%
Diglycidyl Ether of Bisphenol A	25068-38-6	70 - 80%
Oxirane,((2-methylphenoxy)methyl)-	2210-79-9	5 - 10%
Bisphenol F epoxy resin	9003-36-5	5 - 10%

The exact percentage (concentration) of composition has been withheld as a trade secret.

**4. FIRST AID MEASURES**

**General advice:** Show this safety data sheet to the doctor in attendance. Remove contaminated clothing and shoes. Wash contaminated clothing before re-use. Wash off with soap and water. Consult a physician. If symptoms persist, call a physician

**Eye contact:** Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.

**Skin contact:** Remove contaminated clothing and shoes. Wash contaminated clothing before re-use. Wash off immediately with soap and plenty of water. Remove and wash contaminated clothing before re-use.

**Ingestion:** If swallowed, seek medical advice immediately and show this container or label. Do not induce vomiting without medical advice. Never give anything by mouth to an unconscious person

**Inhalation:** Move to fresh air in case of accidental inhalation of vapors. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. Consult a physician.

**Note to physician:** Treat symptomatically. In case of ingestion, the stomach should be emptied by gastric lavage under qualified medical supervision.

**Medical condition aggravated by exposure:** None known.

## 5. FIRE-FIGHTING MEASURES

<b>Suitable extinguishing media:</b>	Use dry chemical, CO <sub>2</sub> , water spray or `alcohol` foam. Do not use water with full jet.
<b>Specific hazards:</b>	Do not allow material to contaminate ground water system.
<b>Special protective equipment for fire-fighters:</b>	As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear
<b>Specific methods:</b>	Water mist may be used to cool closed containers

## 6. ACCIDENTAL RELEASE MEASURES

<b>Personal precautions:</b>	Ensure adequate ventilation. Do not breathe vapour/dust. Use personal protective equipment. Avoid contact with skin, eyes and clothing. Wash thoroughly after handling.
<b>Environmental precautions:</b>	Do not flush into surface water or sanitary sewer system. Prevent further leakage or spillage if safe to do so.
<b>Methods for cleaning up:</b>	Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Sweep up and shovel into suitable containers for disposal.

## 7. HANDLING AND STORAGE

### Handling

<b>Technical measures/precautions:</b>	Provide sufficient air exchange and/or exhaust in work rooms.
<b>Safe handling advice:</b>	Do not breathe vapors or spray mist. In case of insufficient ventilation, wear suitable respiratory equipment. Wear personal protective equipment. Avoid contact with skin and eyes. Wash thoroughly after handling.

### Storage

<b>Technical measures/storage conditions:</b>	Store at room temperature in the original container.
<b>Incompatible products:</b>	See Section 10, Materials to avoid
<b>Safe storage temperature:</b>	50 - 100 °F
<b>Shelf life:</b>	2 years

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Chemical Name	ACGIH Exposure Limits	OSHA TWA (final)	NIOSH - Pocket Guide
Tetrabenzo-5,10,15,20-diazaporphyrinephthalocyanine	1 mg/m <sup>3</sup> (TWA)	None	1 mg/m <sup>3</sup> (TWA)

**Engineering measures:** Ensure adequate ventilation

**Personal Protective Equipment:**

- General:** Provide easy access to eyewash/safety shower facilities.
- Respiratory protection:** If engineering controls do not maintain airborne concentrations to a level which is adequate to protect worker health, respiratory protection may be required. Contact your site safety representative for proper respirator selection.
- Eye protection:** Wear safety glasses with side shields (or goggles)
- Hand protection:** Wear chemical-resistant gloves as appropriate for the risk of exposure. Contact your safety department for specific recommendations
- Skin and body protection:** Wear protective clothing and appropriate footwear necessary for the risk of exposure. Contact your health and safety department for specific recommendations
- Hygiene measures:** Handle in accordance with sound chemical hygiene practices. Wear the appropriate PPE. Avoid contact with skin, eyes and clothing. Remove and wash contaminated clothing before re-use. Do not eat, drink, or smoke while using chemicals.



## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Physical State</b>	Liquid
<b>Appearance</b>	Opaque Blue
<b>Odor</b>	Mild
<b>Odor Threshold</b>	No information available
<b>pH concentrate:</b>	No information available
<b>pH Dilution</b>	No information available
<b>Melting/freezing point</b>	No information available
<b>Boiling Point/Range</b>	No information available

<b>Flash Point</b>	> 110 °C / > 230 °F
<b>Method</b>	No information available
<b>Evaporation rate</b>	No information available
<b>Flammability Limits in Air</b>	
upper flammability limit	No information available
lower flammability limit	No information available
<b>VOC Content Product (lb/gal)</b>	0
<b>VOC Content Product (g/L)</b>	0
<b>VOC less water and exempt (lb/gal)</b>	0
<b>VOC less water and exempt (g/L)</b>	0
<b>HAP Content Product (g/L):</b>	0
<b>HAP Content Product (lb/gal)</b>	0
<b>Solids (% w/w):</b>	100
<b>Solids (% v/v):</b>	100
<b>Vapor pressure</b>	No information available
<b>Vapor density</b>	No information available
<b>Specific Gravity (g/cc, 15 C)</b>	No information available
<b>Density @ 25 ° C. (g/cc):</b>	1.199
<b>Bulk Density @ 77° F. (lb/gal):</b>	9.996
<b>Water Solubility</b>	Insoluble in water
<b>Solubility in other solvents</b>	No information available
<b>Partition coefficient: n-octanol/water</b>	No information available
<b>Autoignition temperature</b>	No information available
<b>Decomposition Temperature</b>	No information available
<b>Kinematic viscosity</b>	No information available
<b>Dynamic viscosity</b>	No information available

Molecular Weight

No information available

## 10. STABILITY AND REACTIVITY

- Stability:** Will react with amines.
- Conditions to avoid:** Heat, flames and sparks.
- Materials to avoid:** Acids. Bases. Oxidizing agents. Amines. Curing chemical.
- Hazardous decomposition products:** Carbon oxides. Sulphur oxides. Oxides of phosphorus. Thermal decomposition can lead to release of irritating gases and vapours.
- Hazardous Polymerization:** No information available.

## 11. TOXICOLOGICAL INFORMATION

No toxicological information is available on the product. Data obtained on components are summarized below.

### Information on likely routes of exposure

- Inhalation** May cause irritation of respiratory tract.
- Eye Contact** Irritating to eyes.
- Skin Contact** Irritating to skin. May cause sensitization by skin contact.
- Ingestion** Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
Diglycidyl Ether of Bisphenol A	= 11400 mg/kg ( Rat ) Oral LD50 Rat 11400 mg/kg (Source: NLM_CIP)	-	-
Oxirane,((2-methylphenoxy)methyl)-	= 4 g/kg ( Rat ) Oral LD50 Rat 4 g/kg (Source: NLM_CIP)	-	= 6090 mg/m <sup>3</sup> ( Rat ) 4 h Inhalation LC50 Rat 6090 mg/m <sup>3</sup> 4 h (Source: NLM_CIP)
Bisphenol F epoxy resin	> 2 g/kg ( Rat ) Oral LD50 Rat >2 g/kg (Source: NLM_CIP)	-	-

### Delayed and immediate effects as well as chronic effects from short and long-term exposure

**Carcinogenicity** The table below indicates whether each agency has listed any ingredient as a carcinogen

Chemical Name	IARC Carcinogens	NTP	OSHA - Select Carcinogens
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Diglycidyl Ether of Bisphenol A	Not listed	Not listed	Not listed
Oxirane,((2-methylphenoxy)methyl)-	Not listed	Not listed	Not listed
Bisphenol F epoxy resin	Not listed	Not listed	Not listed

<b>Sensitization</b>	Product contains a component that is classified as a skin sensitizer. No studies have been conducted on the product itself.
<b>Mutagenic effects:</b>	Product contains a component that is classified as a mutagen. No testing has been conducted on the product itself.
<b>Reproductive Toxicity</b>	Product contains a component that is classified as a reproductive hazard. No testing has been conducted on the product itself.
<b>Developmental Toxicity</b>	No information available.
<b>Teratogenic</b>	No information available.
<b>Specific target organ systemic toxicity (single exposure)</b>	No information available.
<b>Specific target organ systemic toxicity (repeated exposure)</b>	May cause disorder and damage to the.
<b>Aspiration hazard</b>	No information available.

**Additional information on toxicological effects**

No information available

Thermal decomposition of the phosphate flame retardant in combination with trimethylolpropane or trimethylolpropane-derived products can produce bicyclic phosphates or phosphites which are acute neurotoxins.

## 12. ECOLOGICAL INFORMATION

Chemical Name	Ecotoxicity - Fish Species Data:	Ecotoxicity - Freshwater Algae Data:	Ecotoxicity - Water Flea Data:
Diglycidyl Ether of Bisphenol A	No data	No data	No data
Oxirane,((2-methylphenoxy)methyl)-	No data	No data	No data
Bisphenol F epoxy resin	No data	No data	No data

0.33% of the mixture consists of component(s) of unknown hazards to the aquatic environment

**Persistence and Degradability** No information available.

**Bioaccumulation** No information available.

Chemical Name	Octanol/water partition coefficient
Diglycidyl Ether of Bisphenol A	-
Oxirane,((2-methylphenoxy)methyl)-	-
Bisphenol F epoxy resin	-



**Mobility:** No data available

**Ozone:** No data available

### 13. DISPOSAL CONSIDERATIONS

**Waste from residues/unused products:** Waste disposal must be in accordance with appropriate Federal, State, and local regulations. This product, if unaltered by use, may be disposed of by treatment at a permitted facility or as advised by your local hazardous waste regulatory authority.

**Contaminated packaging:** Do not re-use empty containers

**Methods for cleaning up:** Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust) Sweep up and shovel into suitable containers for disposal

### 14. TRANSPORT INFORMATION

**U. S. DEPARTMENT OF TRANSPORTATION:**

**Proper shipping name:** Not Regulated

**TDG (CANADA):**

**UN nr:** UN3082  
**Proper shipping name:** Environmentally Hazardous substance, liquid, n.o.s.  
(Diglycidyl Ether of Bisphenol A)  
**TDG Hazard Classification:** 9  
**Packing group:** III

**IMDG/IMO:**

**UN nr:** UN3082  
**Proper shipping name:** Environmentally Hazardous substance, liquid, n.o.s.  
(Diglycidyl Ether of Bisphenol A)  
**Class:** 9  
**Packing group:** III  
**EMS:** F-A; S-F  
**Limited quantity:** 5 L

**IATA/ICAO:**

**UN nr:** UN3082  
**Proper shipping name:** Environmentally Hazardous substance, liquid, n.o.s.  
(Diglycidyl Ether of Bisphenol A)  
**Hazard Class:** 9  
**Packing group:** III  
**Maximum quantity for cargo only:** 450 L  
**Maximum quantity for passenger:** 450 L  
**Limited quantity:** 1.0 L

## 15. REGULATORY INFORMATION

### Federal Regulations

**OSHA Hazard Communication Standard:** This product is considered to be hazardous under the OSHA Hazard Communication Standard.

### CERCLA/SARA Information:

**SARA (311, 312) hazard class:** This product possesses the following SARA Hazard Categories:

**Immediate Health (Acute):** Yes  
**Delayed Health (Chronic):** Yes  
**Flammability:** No  
**Pressure:** No  
**Reactivity:** No

Chemical Name	Hazardous Substances and RQs	Extremely Hazardous Substances and TPQs	SARA 313 Emission Reporting
Diglycidyl Ether of Bisphenol A	Not listed	Not listed	Not listed
Oxirane,((2-methylphenoxy)methyl)-	Not listed	Not listed	Not listed
Bisphenol F epoxy resin	Not listed	Not listed	Not listed

### Clean Air and Clean Water Acts:

Chemical Name	Hazardous Air Pollutants	CWA - Hazardous Substances	CWA - Toxic Pollutants	CWA - Priority Pollutants
Diglycidyl Ether of Bisphenol A	Not listed	Not listed	Not listed	Not listed
Oxirane,((2-methylphenoxy)methyl)-	Not listed	Not listed	Not listed	Not listed
Bisphenol F epoxy resin	Not listed	Not listed	Not listed	Not listed

### U.S. STATE REGULATIONS (RTK):

Chemical Name	California Proposition 65	PARTK	MI Critical Materials	NJRTK	MARTK
Diglycidyl Ether of Bisphenol A	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed
Oxirane,((2-methylphenoxy)methyl)-	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed
Bisphenol F epoxy resin	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed

**California Proposition 65 Status:** May contain trace amounts of listed chemicals: phenyl glycidyl ether and ethyl acrylate.

### CANADIAN REGULATIONS:

Chemical Name	CEPA Schedule I	Challenge Substances
Diglycidyl Ether of Bisphenol A	Not listed	Not listed
Oxirane,((2-methylphenoxy)methyl)-	Not listed	Not listed
Bisphenol F epoxy resin	Not listed	Not listed

## INVENTORY STATUS:

United States TSCA Inventory: This product complies with TSCA

Canada DSL/NDSL Inventory List This product complies with DSL

## 16. OTHER INFORMATION

Sources of key data used to compile Material safety data sheets of the ingredients.  
the data sheet:

Prepared by: Safety, Health and Environmental Department

Revision Date: 05/16/2017

Reason for revision: This data sheet contains changes from the previous version in section(s) 2.

**Personal protection recommendations should be reviewed by purchasers. Workplace conditions are important factors in specifying adequate protection.**

### Disclaimer

This product's safety information is provided to assist our customers in assessing compliance with safety/health/environmental regulations. The information contained herein is based on data available to us and is believed to be accurate. However, no warranty of merchantability, fitness for any use, or any other warranty is expressed or implied regarding the accuracy of this data, the results to be obtained from the use thereof, or the hazards connected with the use of the product. Since the use of this product is within the exclusive control of the user, it is the user's obligation to determine the conditions for safe use of the product. Such conditions should comply with all regulations concerning the product. The company referenced in this Safety Data Sheet assumes no liability for any injury or damage, direct or consequential, resulting from the use of this product unless such injury or damage is attributable to the gross negligence of such company.

**End of Safety Data Sheet**