

## SAFETY DATA SHEET

Print date: 05/16/2017

Revision Date: 05/16/2017

Revision Number: 1.04

### 1. IDENTIFICATION

**Product identifier**

**Product Name:** SynDeck® Ultra Lightweight Underlayment Part B Hardener SB1290FC

**Product code:** SB1290FC

**Other means of identification**

**Synonyms** No information available

**Application**

**Recommended Use** Deck Coating  
**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**

SB1290FC - SynDeck® Ultra  
Lightweight Underlayment Part B  
Hardener SB1290FC

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Revision Date: 05/16/2017


## OSHA Regulatory Status

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

Acute Toxicity - Oral	Category 4
Acute Toxicity - Dermal	Category 4
Skin corrosion/irritation	Category 1 Sub-category B
Serious eye damage/eye irritation	Category 1
Skin Sensitization	Category 1
Reproductive toxicity	Category 2
Chronic aquatic toxicity	Category 2

## Label Elements

### Emergency Overview

<b>DANGER</b>		
<b>Hazard Statements</b> Harmful if swallowed Harmful in contact with skin Causes severe skin burns and eye damage May cause an allergic skin reaction Suspected of damaging fertility or the unborn child Toxic to aquatic life with long lasting effects		
		
<b>Appearance</b> Clear Amber	<b>Physical State</b> Liquid	<b>Odor</b> Amine

### 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  
Do not eat, drink or smoke when using this product  
Do not breathe dust/fume/gas/mist/vapors/spray  
Contaminated work clothing should not be allowed out of the workplace  
Wear protective gloves  
Avoid release to the environment

### Precautionary Statements - Response

Immediately call a POISON CENTER or doctor  
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing Immediately call a POISON CENTER or doctor  
Call a POISON CENTER or doctor if you feel unwell Wash contaminated clothing before reuse IF ON SKIN (or hair):

Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower If skin irritation or rash occurs: Get medical advice/attention

IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing Immediately call a POISON CENTER or doctor

IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell Rinse mouth Do not induce vomiting  
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

Toxic to aquatic life.

#### Unknown acute toxicity

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

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No.	Weight-%
Trimethylolpropane polyoxypropylene triamine	39423-51-3	60 - 70%
Para-tertiary-butylphenol	98-54-4	10 - 15%
1,6-Hexanediamine, C,C,C-trimethyl-	25620-58-0	5 - 10%
1,3-Benzenedimethanamine	1477-55-0	5 - 10%
Phenol, 4-nonyl-, branched	84852-15-3	1 - 5%

**Physico-chemical properties:** Corrosive

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. 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.

**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 not breathing, give artificial respiration. If breathing is difficult, give oxygen. Consult a physician.

**Note to physician:** In case of ingestion, the stomach should be emptied by gastric lavage under qualified medical supervision. Material is corrosive. It may not be advisable to induce vomiting. Possible mucosal damage may contraindicate the use of gastric lavage. Aspiration may cause pulmonary oedema and pneumonitis.

**Medical condition aggravated by exposure:** Dermatitis and asthma.

## 5. FIRE-FIGHTING MEASURES

**Suitable extinguishing media:** Use dry chemical, CO<sub>2</sub>, water spray or `alcohol` foam.

**Specific hazards:** Do not allow run-off from fire fighting to enter drains or water courses. May generate ammonia gas, May generate toxic nitrogen oxide gases. Use of water may result in the formation of very toxic aqueous solutions.

**Special protective equipment for fire-fighters:** Contact of liquid with skin must be prevented.

**Specific methods:** Water mist may be used to cool closed containers

## 6. ACCIDENTAL RELEASE MEASURES

**Personal precautions:** Ensure adequate ventilation. Do not breathe vapour/dust. Use personal protective equipment. Avoid contact with skin, eyes and clothing. Wash thoroughly after handling.

**Environmental precautions:** Do not flush into surface water or sanitary sewer system. Prevent further leakage or spillage if safe to do so.

**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.

## 7. HANDLING AND STORAGE

### Handling

**Technical measures/precautions:** Use only in area provided with appropriate exhaust ventilation.

**Safe handling advice:** 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

**Technical measures/storage conditions:** Keep in a dry, cool and well-ventilated place. Do not use containers made of reactive metals.

**Incompatible products:** See Section 10, Materials to avoid

**Safe storage temperature:** 50 - 100 °F

**Shelf life:** 2 years

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Chemical Name	ACGIH Exposure Limits	OSHA TWA (final)	NIOSH - Pocket Guide
1,3-Benzenedimethanamine	None	None	0.1 mg/m <sup>3</sup> (Ceiling)

**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:** Face-shield, Tightly fitting safety 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:** Impervious clothing, Boots

**Hygiene measures:** Wash hands before breaks and immediately after handling the product Discard contaminated leather articles.



## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Physical State</b>	Liquid
<b>Appearance</b>	Clear Amber
<b>Odor</b>	Amine
<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>	> 100 °C / > 212 °F
<b>Method</b>	PMCC (Pensky-Martens Closed-Cup)
<b>Evaporation rate</b>	No information available
<b>Flammability Limits in Air</b>	No information available
<b>upper flammability limit</b>	No information available
<b>lower flammability limit</b>	No information available
<b>VOC Content Product (lb/gal)</b>	No information available
<b>Solids (% w/w):</b>	100
<b>Vapor pressure</b>	No information available
<b>Vapor density</b>	No information available
<b>Specific Gravity (g/cc, 15 C)</b>	1.0
<b>Bulk Density (lb/gal, 15 C)</b>	8.35
<b>Water Solubility</b>	Insoluble
<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
<b>Molecular Weight</b>	No information available

## 10. STABILITY AND REACTIVITY

**Stability:** Stable under recommended storage conditions.

**Conditions to avoid:** High temperatures. Temperatures above 38 °C. Replace outage with inert dry nitrogen.

**Materials to avoid:** Strong acids and oxidising agents. Reactive metals. Nitrous acid and other nitrosating agents. Reacts violently with peroxides.

**Hazardous decomposition products:** Carbon oxides. Nitrosamine. Nitrogen oxides (nox). Thermal decomposition can lead to release of irritating gases and vapours.

**Hazardous Polymerization:** No information available.

## 1.1. 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** Corrosive to the eyes and may cause severe damage including blindness.

**Skin Contact** Contact causes severe skin irritation and possible burns. May cause sensitization by skin contact. Harmful in contact with skin.

**Ingestion** Harmful if swallowed.

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
Trimethylolpropane polyoxypropylene triamine	-	-	-
Para-tertiary-butylphenol	= 4000 mg/kg ( Rat ) Oral LD50 Rat 4000 mg/kg (Source: OECD_SIDS)	= 2318 mg/kg ( Rabbit ) Dermal LD50 Rabbit 2318 mg/kg (Source: OECD_SIDS)	-
1,6-Hexanediamine, C,C,C-trimethyl-	= 910 mg/kg ( Rat ) Oral LD50 Rat 910 mg/kg (Source: IUCLID)	-	-
1,3-Benzenedimethanamine	= 660 mg/kg ( Rat ) Oral LD50 Rat 660 mg/kg (Source: JAPAN_GHS)	= 2 g/kg ( Rabbit ) Dermal LD50 Rabbit 2 g/kg (Source: NLM_CIP)	= 700 ppm ( Rat ) 1 h Inhalation LC50 Rat 700 ppm 1 h (Source: NLM_CIP)
Phenol, 4-nonyl-, branched	= 1300 mg/kg ( Rat ) Oral LD50 Rat 1300 mg/kg (Source: NLM_CIP)	= 2000 mg/kg ( Rabbit ) Dermal LD50 Rabbit 2000 mg/kg (Source: OECD_SIDS)	-

### 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
Trimethylolpropane polyoxypropylene triamine	Not listed	Not listed	Not listed
Para-tertiary-butylphenol	Not listed	Not listed	Not listed
1,6-Hexanediamine, C,C,C-trimethyl-	Not listed	Not listed	Not listed
1,3-Benzenedimethanamine	Not listed	Not listed	Not listed
Phenol, 4-nonyl-, branched	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>	No information available.
<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>	No information available.
<b>Aspiration hazard</b>	No information available.

**Additional information on toxicological effects**

No information available

## 12. ECOLOGICAL INFORMATION

Chemical Name	Ecotoxicity - Fish Species Data:	Ecotoxicity - Freshwater Algae Data:	Ecotoxicity - Water Flea Data:
Trimethylolpropane polyoxypropylene triamine	No data	No data	No data
Para-tertiary-butylphenol	4.71 - 5.62 mg/L LC50 = 6.9 mg/L LC50	=3.9mg/L 3.4 - 4.5mg/L = 11.2 mg/L EC50	EC50 (Daphnia magna - 48h) = 3.4 - 4.5 mg/L EC50 (Daphnia magna - 48h) = 3.9 mg/L
1,6-Hexanediamine, C,C,C-trimethyl-	No data	= 29.5 mg/L EC50	EC50 (Daphnia magna - 24h) = 31.5 mg/L
1,3-Benzenedimethanamine	No data	No data	No data
Phenol, 4-nonyl-, branched	= 0.135 mg/L LC50 = 0.1351 mg/L LC50	=0.14mg/L 0.36 - 0.48 mg/L EC50	No data



		0.16 - 0.72 mg/L EC50 = 1.3 mg/L EC50	
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0% 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
Trimethylolpropane polyoxypropylene triamine	-1.13
Para-tertiary-butylphenol	2.44
1,6-Hexanediamine, C,C,C-trimethyl-	0.77
1,3-Benzenedimethanamine	-
Phenol, 4-nonyl-, branched	-

**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:

<b>UN/NA ID Number:</b>	UN2922
<b>Proper shipping name:</b>	Corrosive liquid, toxic, n.o.s. (trimethylolpropane polyoxypropylene triamine and benzene-1,3-dimethaneamine (MXDA))
<b>Hazard class:</b>	8
<b>Subsidiary risk:</b>	6.1
<b>PG:</b>	II
<b>DOT ERG:</b>	ERG 154

#### TDG (CANADA):

<b>UN nr:</b>	UN2922
<b>Proper shipping name:</b>	Corrosive liquid, toxic, n.o.s. (trimethylolpropane polyoxypropylene triamine and benzene-1,3-dimethaneamine (MXDA))

**TDG Hazard Classification:** 8  
**Subsidiary class:** 6.1  
**Packing group:** II

**IMDG/IMO:**

**UN nr:** UN2922  
**Proper shipping name:** Corrosive liquid, toxic, n.o.s. (trimethylolpropane polyoxypropylene triamine and benzene-1,3-dimethaneamine (MXDA))  
**Class:** 8  
**Subsidiary class:** 6.1  
**Packing group:** II  
**EMS:** F-A, S-B  
**Limited quantity:** 1 L

**IATA/ICAO:**

**UN nr:** UN2922  
**Proper shipping name:** Corrosive liquid, toxic, n.o.s. (trimethylolpropane polyoxypropylene triamine and benzene-1,3-dimethaneamine (MXDA))  
**Hazard Class:** 8  
**Subsidiary class:** 6.1  
**Packing group:** II  
**Maximum quantity for cargo only:** 60 L  
**Maximum quantity for passenger:** 5 L  
**Limited quantity:** 1 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
Trimethylolpropane polyoxypropylene triamine	Not listed	Not listed	Not listed
Para-tertiary-butylphenol	Not listed	Not listed	Not listed

1,6-Hexanediamine, C,C,C-trimethyl-	Not listed	Not listed	Not listed
1,3-Benzenedimethanamine	Not listed	Not listed	Not listed
Phenol, 4-nonyl-, branched	Not listed	Not listed	1.0 %

**Clean Air and Clean Water Acts:**

Chemical Name	Hazardous Air Pollutants	CWA - Hazardous Substances	CWA - Toxic Pollutants	CWA - Priority Pollutants
Trimethylolpropane polyoxypropylene triamine	Not listed	Not listed	Not listed	Not listed
Para-tertiary-butylphenol	Not listed	Not listed	Not listed	Not listed
1,6-Hexanediamine, C,C,C-trimethyl-	Not listed	Not listed	Not listed	Not listed
1,3-Benzenedimethanamine	Not listed	Not listed	Not listed	Not listed
Phenol, 4-nonyl-, branched	Not listed	Not listed	Not listed	Not listed

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

Chemical Name	California Proposition 65	PARTK	MI Critical Materials	NJRTK	MARTK
Trimethylolpropane polyoxypropylene triamine	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed
Para-tertiary-butylphenol	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed
1,6-Hexanediamine, C,C,C-trimethyl-	Not Listed	Not Listed	Not Listed	1933	Not Listed
1,3-Benzenedimethanamine	Not Listed	Present	Not Listed	1320	Present
Phenol, 4-nonyl-, branched	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed

**California Proposition 65 Status:** No components are listed

**RCRA Status:** To be disposed of as characteristic hazardous waste: Corrosive D002

**CANADIAN REGULATIONS:**

Chemical Name	CEPA Schedule I	Challenge Substances
Trimethylolpropane polyoxypropylene triamine	Not listed	Not listed
Para-tertiary-butylphenol	Not listed	Not listed
1,6-Hexanediamine, C,C,C-trimethyl-	Not listed	Not listed
1,3-Benzenedimethanamine	Not listed	Not listed
Phenol, 4-nonyl-, branched	Not listed	Not listed

**INVENTORY STATUS:**

**United States TSCA Inventory:** This product complies with TSCA

**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 and 14.

**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**