



# Tyfo® SCH-41 Fabric / Tyfo® SCH-41(2X) Fabric / Tyfo® BCC +/- 45 Carbon Fabric / Tyfo® SCH-41H Fabric / Tyfo® SCH-11 UP Fabric / Tyfo® CWEB Fabric / Tyfo® SCH Anchors / Tyfo® SCH-41S / Tyfo® SCH-41S(2X)

## Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

### SECTION 1: Identification

#### 1.1. Identification

Product form : Article  
Product name : Tyfo® SCH-41 Fabric / Tyfo® SCH-41(2X) Fabric / Tyfo® BCC +/- 45 Carbon Fabric / Tyfo® SCH-41H Fabric / Tyfo® SCH-11 UP Fabric / Tyfo® CWEB Fabric / Tyfo® SCH Anchors / Tyfo® SCH-41S / Tyfo® SCH-41S(2X)

#### 1.2. Recommended use and restrictions on use

Use of the substance/mixture : For professional use only

#### 1.3. Supplier

**Manufacturer**  
FYFE CO, LLC  
17988 Edison Ave  
Chesterfield, MO 63305  
(858) 642-0694  
[www.aegion.com](http://www.aegion.com)

#### 1.4. Emergency telephone number

Emergency number : (800) 424-9300 or (703) 527-3887

### SECTION 2: Hazard(s) identification

#### 2.1. Classification of the substance or mixture

##### GHS-US classification

Not classified

#### 2.2. GHS Label elements, including precautionary statements

No labeling obligation.

Other hazards not contributing to the classification : Exposure may aggravate those with pre-existing eye, skin, or respiratory conditions. Dust generated during processing may cause an allergic reaction in sensitive individuals. Electro-conductive: carbon fiber dust may cause short circuiting of electrical devices. Contains substances that are combustible dusts, the powdered forms of these substances may form combustible dust concentrations in air.

#### 2.4. Unknown acute toxicity (GHS US)

Not applicable

### SECTION 3: Composition/Information on ingredients

#### 3.1. Substances

Not applicable

#### 3.2. Mixtures

Name	Product identifier	%	GHS-US classification
Carbon Fiber (Within the meaning of the OSHA Hazard Communication Standard [29 CFR 1910.1200]: this mixture is not considered a hazard when used in a manner which is consistent with the labeled directions. This mixture is considered an article in its final form.)	(CAS-No.) 7440-44-0	92 - 96	Skin Irrit. 2, H315 Eye Irrit. 2A, H319
Epoxy Sizing (Within the meaning of the OSHA Hazard Communication Standard [29 CFR 1910.1200]: this mixture is not considered a hazard when used in a manner which is consistent with the labeled directions. This mixture is considered an article in its final form.)	(CAS-No.) 25036-25-3	2 - 4	Skin Sens. 1, H317

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Full text of hazard classes and H-statements : see section 16

### SECTION 4: First-aid measures

#### 4.1. Description of first aid measures

- First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing.  
First-aid measures after skin contact : Wash skin with plenty of water.  
First-aid measures after eye contact : Rinse eyes with water as a precaution.  
First-aid measures after ingestion : Call a poison center/doctor/physician if you feel unwell.

#### 4.2. Most important symptoms and effects (acute and delayed)

No additional information available

#### 4.3. Immediate medical attention and special treatment, if necessary

Treat symptomatically.

### SECTION 5: Fire-fighting measures

#### 5.1. Suitable (and unsuitable) extinguishing media

Suitable extinguishing media : Water spray. Dry powder. Foam.

#### 5.2. Specific hazards arising from the chemical

Reactivity : The product is non-reactive under normal conditions of use, storage and transport.

#### 5.3. Special protective equipment and precautions for fire-fighters

Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

### SECTION 6: Accidental release measures

#### 6.1. Personal precautions, protective equipment and emergency procedures

##### 6.1.1. For non-emergency personnel

Emergency procedures : Ventilate spillage area.

##### 6.1.2. For emergency responders

Protective equipment : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".

#### 6.2. Environmental precautions

Avoid release to the environment.

#### 6.3. Methods and material for containment and cleaning up

Methods for cleaning up : Mechanically recover the product.  
Other information : Dispose of materials or solid residues at an authorized site.

#### 6.4. Reference to other sections

For further information refer to section 13.

### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

Precautions for safe handling : Ensure good ventilation of the work station. Wear personal protective equipment.  
Hygiene measures : Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

#### 7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Store in a well-ventilated place. Keep cool.

### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

##### Carbon Fiber (7440-44-0)

ACGIH	ACGIH TWA (mg/m <sup>3</sup> )	15 mg/m <sup>3</sup>
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Carbon Fiber (7440-44-0)		
OSHA	OSHA PEL (TWA) (mg/m³)	15 mg/m³
Epoxy Sizing (25036-25-3)		
Not applicable		

### 8.2. Appropriate engineering controls

Appropriate engineering controls : Ensure good ventilation of the work station.  
 Environmental exposure controls : Avoid release to the environment.

### 8.3. Individual protection measures/Personal protective equipment

#### Personal protective equipment:

Gloves. Safety glasses. Protective clothing.

#### Hand protection:

Protective gloves

#### Eye protection:

Safety glasses

#### Skin and body protection:

Wear suitable protective clothing

#### Respiratory protection:

If exposure limits are exceeded or irritation is experienced, approved respiratory protection should be worn.



## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

Physical state : Solid  
 Color : Mixture contains one or more component(s) which have the following colour(s):  
 White  
 Odor : There may be no odour warning properties, odour is subjective and inadequate to warn of overexposure.  
 Mixture contains one or more component(s) which have the following odour(s):  
 Odourless No data available on odour  
 Odor threshold : No data available  
 pH : No data available  
 Melting point : No data available  
 Freezing point : Not applicable  
 Boiling point : No data available  
 Flash point : Not applicable  
 Relative evaporation rate (butyl acetate=1) : No data available  
 Flammability (solid, gas) : Non flammable.  
 Vapor pressure : No data available  
 Relative vapor density at 20 °C : No data available  
 Relative density : Not applicable

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Solubility	: No data available
Log Pow	: No data available
Auto-ignition temperature	: Not applicable
Decomposition temperature	: No data available
Viscosity, kinematic	: Not applicable
Viscosity, dynamic	: No data available
Explosion limits	: Not applicable
Explosive properties	: No data available
Oxidizing properties	: No data available

### 9.2. Other information

No additional information available

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

### 10.2. Chemical stability

Stable under normal conditions.

### 10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

### 10.4. Conditions to avoid

None under recommended storage and handling conditions (see section 7).

### 10.5. Incompatible materials

No additional information available

### 10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

Acute toxicity : Not classified

Epoxy Sizing (25036-25-3)	
LD50 oral rat	11400 mg/kg (Rat)
ATE US (oral)	11400 mg/kg body weight

Skin corrosion/irritation : Not classified

Serious eye damage/irritation : Not classified

Respiratory or skin sensitization : Not classified

Germ cell mutagenicity : Not classified

Carcinogenicity : Not classified

Reproductive toxicity : Not classified

Specific target organ toxicity – single exposure : Not classified

Specific target organ toxicity – repeated exposure : Not classified

Aspiration hazard : Not classified

## SECTION 12: Ecological information

### 12.1. Toxicity

Ecology - general : The product is not considered harmful to aquatic organisms or to cause long-term adverse effects in the environment.

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### 12.2. Persistence and degradability

#### Epoxy Sizing (25036-25-3)

Persistence and degradability	Biodegradability in water: no data available.
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### 12.3. Bioaccumulative potential

#### Epoxy Sizing (25036-25-3)

Bioaccumulative potential	No bioaccumulation data available.
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### 12.4. Mobility in soil

No additional information available

### 12.5. Other adverse effects

Effect on the global warming : No known effects from this product.  
GWPmix comment : No known effects from this product.

## SECTION 13: Disposal considerations

### 13.1. Disposal methods

Waste treatment methods : Dispose of contents/container in accordance with licensed collector's sorting instructions.

## SECTION 14: Transport information

### Department of Transportation (DOT)

In accordance with DOT

Other information : No supplementary information available.

### Transportation of Dangerous Goods

### Transport by sea

### Air transport

## SECTION 15: Regulatory information

### 15.1. US Federal regulations

#### Carbon Fiber (7440-44-0)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

#### Fiberglass (65997-17-3)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

#### Epoxy Sizing (25036-25-3)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

EPA TSCA Regulatory Flag	XU - XU - indicates a substance exempt from reporting under the Inventory Update Reporting Rule, i.e., Partial Updating of the TSCA Inventory Data Base Production and Site Reports (40 CFR 710(C)).
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### 15.2. International regulations

#### CANADA

No additional information available

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### EU-Regulations

No additional information available

### National regulations

No additional information available

### 15.3. US State regulations

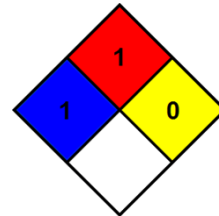
No additional information available

## SECTION 16: Other information

Full text of H-phrases:

H315	Causes skin irritation
H317	May cause an allergic skin reaction
H319	Causes serious eye irritation

- NFPA health hazard : 1 - Materials that, under emergency conditions, can cause significant irritation.
- NFPA fire hazard : 1 - Materials that must be preheated before ignition can occur.
- NFPA reactivity : 0 - Material that in themselves are normally stable, even under fire conditions.



SDS US (GHS HazCom 2012)

*This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product*