

## SAFETY DATA SHEET

**Fiber-Reinforced Pultruded Profiles (Phenolic)**

The safety data sheet is in accordance with Commission Regulation (EU) 2015/830 of 28 May 2015 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH)

**SECTION 1: Identification of the substance / mixture and of the company / undertaking**

Date issued 21.05.2019

**1.1. Product identifier**

Product name Fiber-Reinforced Pultruded Profiles (Phenolic)  
No requirement for SDS There is no requirement according to the REACH Regulation (EC) No. 1907/2006, Article 31.

**1.2. Relevant identified uses of the substance or mixture and uses advised against**

Use of the substance / preparation Constructions.

**1.3. Details of the supplier of the safety data sheet**

Company name Module Solutions & Systems AS  
Office address Skvadronvegen 22  
Postal address Skvadronvegen 22  
Postcode 4050  
City SOLA  
Country Norway  
Telephone number +47 51716920  
Email [post@modulesolutions.no](mailto:post@modulesolutions.no)  
Website <https://modulesolutions.no/>  
Enterprise No. 983 228 488

**1.4. Emergency telephone number**

Emergency telephone Telephone number: +44 08 45 46 47  
Description: NHS Direct. United Kingdom

**SECTION 2: Hazards identification****2.1. Classification of the substance or mixture**

Additional information on classification	According to REACH the product is declared as an article and is not subject to the provisions of classification.
--	--

## 2.2. Label elements

Other label information (CLP)	This is an article according to REACH, and is not covered by the regulations for the classification and labeling of chemicals.
-------------------------------	--

## 2.3. Other hazards

PBT / vPvB	No information available.
Physicochemical effects	At use: High concentrations of dust may form explosive mixture with air.
Health effect	At use: Inhalation of dust may irritate the respiratory system. Frequent inhalation of dust over a long period of time increases the risk of developing lung diseases. Dust may give mechanical eye irritation. Dust may irritate the skin. The product contains a possibly sensitizing substance which may provoke an allergic reaction among sensitive individuals.

## SECTION 3: Composition / information on ingredients

### 3.2. Mixtures

Description of the mixture	Fiber reinforced polymer (FRP) products are composed of a mixture of resin, inorganic fillers, pigments, processing additives, and fiberglass reinforcement. During the manufacturing process, the mixture is cured and hardened into a solid, stable material that is non-hazardous when handled properly and in accordance with good industrial hygiene practices.
----------------------------	--

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

General	No action is required when handling the product in the condition it is supplied. The first aid measures given below are intended for exposure to dust that arises from the processing of the product. Emergency telephone number: see section 1.4.
Inhalation	Fresh air and rest. Get medical attention if any discomfort continues.
Skin contact	Remove contaminated clothing. Wash with soap and water. Get medical attention if any discomfort continues.
Eye contact	Immediately flush with plenty of water or eyewash solution for up to 10 minutes. Remove contact lenses and open eyes wide apart. Get medical attention if any discomfort continues.
Ingestion	Hardly relevant. Rinse mouth thoroughly. Do not induce vomiting. Get medical attention.

### 4.2. Most important symptoms and effects, both acute and delayed

Acute symptoms and effects	Dust may cause mechanical irritation of mucous membranes. Symptoms may include coughing, sore throat, reddening, burning sensation and heavy watering of the eyes Existing respiratory disorders may be aggravated, for example asthma or other chronic respiratory disease.
----------------------------	--

	Dust may cause mechanical irritation of the skin. Dust may give mechanical eye irritation.
Delayed symptoms and effects	Repeated or prolonged inhalation of dust increases the risk of developing lung diseases.

### 4.3. Indication of any immediate medical attention and special treatment needed

Other information	No specific information from the manufacturer. Treat symptomatically.
-------------------	---

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

Suitable extinguishing media	Foam, carbon dioxide or dry powder.
------------------------------	-------------------------------------

### 5.2. Special hazards arising from the substance or mixture

Fire and explosion hazards	The product is not classified as flammable. High concentrations of dust may form explosive mixture with air.
Hazardous combustion products	May include, but is not limited to: Carbon monoxide (CO). Carbon dioxide (CO <sub>2</sub> ). Toxic smoke. Irritating vapors or gases.

### 5.3. Advice for firefighters

Personal protective equipment	Use compressed air equipment when the chemical is involved in fire. In case of evacuation, an approved protection mask should be used. See also section 8.
-------------------------------	--

## SECTION 6: Accidental release measures

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

Personal protection measures	Avoid generation and spreading of dust.
------------------------------	---

### 6.2. Environmental precautions

Environmental precautionary measures	The product should not be dumped in nature but collected and delivered according to agreement with the local authorities.
--------------------------------------	---

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

Clean up	The product are collected mechanically. Dispose of in accordance with local regulations for waste handling (see section 13).
----------	--

### 6.4. Reference to other sections

Other instructions	See also sections 8 and 13.
--------------------	-----------------------------

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Handling	Provide adequate ventilation. Use protective equipment as referred to in section 8.
----------	---

Use work methods which minimize dust production. Persons susceptible to allergic reactions should not handle this product. Avoid inhalation of dust and contact with skin and eyes.

## Protective safety measures

Safety measures to prevent fire	High concentrations of dust may form explosive mixture with air.
Preventive measures to prevent aerosol and dust generation	Dust can be suppressed with water.
Advice on general occupational hygiene	Do not eat, drink or smoke during work. Wash hands at the end of each work shift and before eating, smoking and using the toilet. Wash contaminated clothing before reuse.

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

Storage	Store in a dry place.
Conditions to avoid	Keep away from heat, sparks and open flame.

## 7.3. Specific end use(s)

Specific use(s)	See section 1.2.
-----------------	------------------

## SECTION 8: Exposure controls / personal protection

### 8.1. Control parameters

Substance	Identification	Value	TWA Year
Dusts, respirable dust		TWA (8h) : 4 mg/m <sup>3</sup>	
Dusts, total inhalable dust		TWA (8h) : 10 mg/m <sup>3</sup>	
Other Information about threshold limit values	Applies to dust. References (laws/regulations): EH40/2005 Workplace exposure limits, with later amendments.		

### 8.2. Exposure controls

#### Precautionary measures to prevent exposure

Technical measures to prevent exposure	Provide adequate ventilation. The personal protective equipment must be CE-marked and the latest version of the standards shall be used. The protective equipment and the specified standards recommended below are only suggestions, and should be selected on advice from the supplier of such equipment. A risk assessment of the work place/work activities (the actual risk) may lead to other control measures. The protection equipment's suitability and durability will depend on application.
--	--

#### Eye / face protection

Eye protection equipment	Description: Use tight fitting goggles if dust is generated. Reference to relevant standard: EN 166 (Personal eye-protection. Specifications).
Additional eye protection measures	Eye wash facilities should be available at the work place. Either a fixed eye wash facility connected to the drinking water (preferably warm water) or a portable

disposable unit.

## Hand protection

Suitable materials	Leather. Textile.
Breakthrough time	Comments: Not relevant.
Thickness of glove material	Comments: Not specified by the manufacturer.
Hand protection equipment	Description: Normally not required. Use suitable protective gloves if risk of skin contact. Glove thickness must be chosen in consultation with the glove supplier. The gloves abilities may vary among the different glove manufacturers. Reference to relevant standard: BS-EN 420 (Protective gloves. General requirements and test methods).

## Skin protection

Recommended protective clothing	Description: Wear appropriate protective clothing to protect against possible skin contact.
---------------------------------	---

## Respiratory protection

Recommended respiratory protection	Description: Use mask with filter P2 in case of dust formation. Reference to relevant standard: EN 143 (Respiratory protective devices. Particle filters. Requirements, testing, marking). EN 149.
------------------------------------	---

## Appropriate environmental exposure control

Environmental exposure controls	Do not allow to enter into sewer, water system or soil.
---------------------------------	---

## SECTION 9: Physical and chemical properties

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

Physical state	Solid.
Colour	Varying.
Odour	Mild. / Characteristic.
Odour limit	Comments: Not relevant.
pH	Comments: Not relevant.
Melting point / melting range	Comments: Not specified by the manufacturer.
Boiling point / boiling range	Comments: Not relevant.
Flash point	Comments: Not specified by the manufacturer.
Evaporation rate	Comments: Not relevant.
Flammability (solid, gas)	Not combustible.
Explosion limit	Comments: Not specified by the manufacturer.
Vapour pressure	Comments: Not relevant.
Vapour density	Comments: Not relevant.
Relative density	Comments: Not specified by the manufacturer.

Solubility	Medium: Water Comments: Insoluble.
Partition coefficient: n-octanol/ water	Comments: Not relevant for a mixture.
Spontaneous combustability	Comments: Not specified by the manufacturer.
Decomposition temperature	Comments: Not specified by the manufacturer.
Viscosity	Comments: Not relevant.
Explosive properties	Not specified by the manufacturer.
Oxidising properties	Not specified by the manufacturer.

## 9.2. Other information

### Other physical and chemical properties

Comments	No further information is available.
----------	--------------------------------------

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

Reactivity	Not specified by the manufacturer.
------------	------------------------------------

### 10.2. Chemical stability

Stability	Stable under normal temperature conditions and recommended use.
-----------	---

### 10.3. Possibility of hazardous reactions

Possibility of hazardous reactions	Not specified by the manufacturer.
------------------------------------	------------------------------------

### 10.4. Conditions to avoid

Conditions to avoid	Avoid dust close to ignition sources.
---------------------	---------------------------------------

### 10.5. Incompatible materials

Materials to avoid	None expected.
--------------------	----------------

### 10.6. Hazardous decomposition products

Hazardous decomposition products	None under normal conditions. See also section 5.2.
-------------------------------------	---

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

#### Other information regarding health hazards

Assessment of acute toxicity, classification	This is an article according to REACH, and is not covered by the regulations for the classification and labeling of chemicals.
---	--

Assessment of skin corrosion / irritation, classification	This is a product acc. REACH, and is not covered by the regulations for classification and labeling of chemicals.
Assessment of eye damage or irritation, classification	This is a product acc. REACH, and is not covered by the regulations for classification and labeling of chemicals.
Assessment of respiratory sensitisation, classification	This is an article according to REACH, and is not covered by the regulations for the classification and labeling of chemicals.
Assessment of skin sensitisation, classification	This is an article according to REACH, and is not covered by the regulations for the classification and labeling of chemicals.
Assessment of germ cell mutagenicity, classification	This is an article according to REACH, and is not covered by the regulations for the classification and labeling of chemicals.
Assessment of carcinogenicity, classification	This is an article according to REACH, and is not covered by the regulations for the classification and labeling of chemicals.
Assessment of reproductive toxicity, classification	This is an article according to REACH, and is not covered by the regulations for the classification and labeling of chemicals.
Assessment of specific target organ SE, classification	This is an article according to REACH, and is not covered by the regulations for the classification and labeling of chemicals.
Assessment of specific target organ toxicity RE, classification	This is an article according to REACH, and is not covered by the regulations for the classification and labeling of chemicals.
Assessment of aspiration hazard, classification	This is an article according to REACH, and is not covered by the regulations for the classification and labeling of chemicals.

## Symptoms of exposure

In case of ingestion	Unlikely because of the product condition. High concentration of dust may cause irritation to mucous membranes.
In case of skin contact	Dust may irritate the skin. Risk of sensitisation or allergic reactions among sensitive individuals.
In case of inhalation	Dust may cause mechanical irritation of mucous membranes. Symptoms may include coughing, sore throat, reddening, burning sensation and heavy watering of the eyes Existing respiratory disorders may be aggravated, for example asthma or other chronic respiratory disease.
In case of eye contact	Dust may give mechanical eye irritation.
Other information	Frequent inhalation of dust over a long period of time increases the risk of developing lung diseases.

## SECTION 12: Ecological information

### 12.1. Toxicity

Ecotoxicity	Environmental exposure to substances in this mixture is limited due to its physical form.
-------------	---

### 12.2. Persistence and degradability

Persistence and degradability, comments	No specific information from the manufacturer.
---	--

**12.3. Bioaccumulative potential**

Bioaccumulative potential	No specific information from the manufacturer.
---------------------------	--

**12.4. Mobility in soil**

Mobility	No specific information from the manufacturer. Insoluble in water.
----------	--

**12.5. Results of PBT and vPvB assessment**

PBT assessment results	No specific information from the manufacturer.
------------------------	--

vPvB evaluation results	No specific information from the manufacturer.
-------------------------	--

**12.6. Other adverse effects**

Other adverse effects, comments	Avoid release to the environment.
---------------------------------	-----------------------------------

**SECTION 13: Disposal considerations****13.1. Waste treatment methods**

Specify the appropriate methods of disposal	Deliver to authorised waste vendor. The waste code (EWC-Code) is intended as a guide. The user must select a code if the use differs from the one mentioned below.
---	--

EWC waste code	EWC waste code: 101103 waste glass-based fibrous materials Classified as hazardous waste: No
----------------	---

Other information	Avoid release to the environment.
-------------------	-----------------------------------

**SECTION 14: Transport information**

Dangerous goods	No
-----------------	----

**14.1. UN number**

Comments	Not relevant.
----------	---------------

**14.2. UN proper shipping name**

Comments	Not relevant.
----------	---------------

**14.3. Transport hazard class(es)**

Comments	Not relevant.
----------	---------------

**14.4. Packing group**

Comments	Not relevant.
----------	---------------

**14.5. Environmental hazards**

Comments	Not relevant.
----------	---------------

**14.6. Special precautions for user**



Special safety precautions for user	Not relevant.
-------------------------------------	---------------

## 14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

Transport in bulk (yes/no)	No
----------------------------	----

## SECTION 15: Regulatory information

### 15.1. Safety, health and environmental regulations / legislation specific for the substance or mixture

References (laws/regulations)	<p>Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures (CLP-regulation) with later amendments.</p> <p>Regulation (EC) No 1907/2006 on the registration, evaluation, authorization and restriction of chemicals (REACH Regulation), with later amendments.</p> <p>European Waste Catalogue and Hazardous Waste List</p> <p>Dangerous Goods regulations</p>
-------------------------------	--

### 15.2. Chemical safety assessment

Chemical safety assessment performed	No
--------------------------------------	----

## SECTION 16: Other information

Supplier's notes	The information in this document should be made available to anyone who handles the product.
Key literature references and sources for data	Suppliers Safety data sheet dated: 03.03.2017
Abbreviations and acronyms used	<p>EWC: European Waste Code (a code from the EU's common classification system for waste)</p> <p>IBC: Intermediate Bulk Container.</p> <p>MARPOL 73/78 is the International Convention for the Prevention of Pollution from Ships, 1973 as modified by the Protocol of 1978. ("MARPOL" is short for marine pollution and 73/78 short for the years 1973 and 1978.)</p> <p>PBT: Persistent, Bioaccumulative and Toxic</p> <p>vPvB: very Persistent and very Bioaccumulative</p>
Information added, deleted or revised	New Safety Data Sheet.
Checking quality of information	This SDS is quality controlled by Kiwa Teknologisk Institutt in Norway, certified according to the Quality Management System requirements specified in ISO 9001:2015.
Version	1
Prepared by	Kiwa Teknologisk Institutt, Norway by Sissel Rogstad