

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

#### 1.1. Product identifier

Product form : Mixture  
 Name : FIBRAFLEX  
 Product code : FIBRAFLEX FF30L6, FF20L6, FF20E0, FF15E0, FF10E0, FF5E0

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

##### 1.2.1. Relevant identified uses

Use of the substance/mixture : Metal fibers for reinforcement of concrete and mortar

##### 1.2.2. Uses advised against

No additional information available

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

SAINT-GOBAIN SEVA  
 43 rue du Pont de Fer - BP 10176  
 71105 Chalon sur Saône Cédex - FRANCE  
 T +33 3 85 47 25 88  
[fibraflex@saint-gobain.com](mailto:fibraflex@saint-gobain.com)

#### 1.4. Emergency telephone number

Country	Organisation/Company	Address	Emergency number	Comment
United Kingdom	National Poisons Information Service (Birmingham Centre) City Hospital, Guy's & St Thomas' Hospital Trust	Dudley Road B18 7QH Birmingham	0844 892 0111 (UK only, Monday to Friday, 08.00 to 18.00 hours)	

### SECTION 2: Hazards identification

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

##### Classification according to Regulation (EC) No. 1272/2008 [CLP]

Not classified

##### Adverse physicochemical, human health and environmental effects

To our knowledge, this product does not present any particular risk, provided it is handled in accordance with good occupational hygiene and safety practice.

#### 2.2. Label elements

Not subjected.

#### 2.3. Other hazards

This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII  
 This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII

### SECTION 3: Composition/information on ingredients

#### 3.1. Substance

Not applicable

#### 3.2. Mixture

Comments : Metal alloy (Fe,Cr)80 (P,C,Si)20

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Iron	(CAS No) 7439-89-6 (EC no) 231-096-4	40 - 80	Not classified
Chromium	(CAS No) 7440-47-3 (EC no) 231-157-5	40 - 80	Not classified

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Phosphorus	(CAS No) 7723-14-0 (EC no) 231-768-7	20	Not classified
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Full text of H-statements: see section 16

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

First-aid measures after inhalation	: Not specifically applicable.
First-aid measures after skin contact	: Wash with soapy water. If skin irritation occurs: Get medical advice/attention.
First-aid measures after eye contact	: Rinse with plenty of water immediately. If irritation persists, consult an eye specialist.
First-aid measures after ingestion	: Not specifically applicable.

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

No additional information available

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

Treat symptomatically.

### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

Suitable extinguishing media : Not combustible. If there is a fire close by, use suitable extinguishing agents.

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

Fire hazard : Not combustible.

#### 5.3. Advice for firefighters

Firefighting instructions	: Cool down the containers exposed to heat with a water spray. Contain the extinguishing fluids by bunding.
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 : Avoid contact with skin and eyes. Do not breathe dust. In case of important spillage : Only qualified personnel equipped with suitable protective equipment may intervene.

##### 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

Do not discharge into drains or rivers.

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

For containment	: Mechanically recover the product.
Other information	: Dispose of at a licensed waste collection centre.

#### 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. Avoid contact with skin and eyes. Do not breathe dust.
Hygiene measures	: Do not drink, eat or smoke in the workplace.

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

Technical measures	: Take all necessary measures to avoid accidental discharge of products into drains and waterways due to the rupture of containers or transfer systems.
Incompatible products	: Hydrofluoric Acid. Fluoronitric acid.

#### 7.3. Specific end use(s)

Not applicable.

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### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

Chromium (7440-47-3)		
United Kingdom	Local name	Chromium
United Kingdom	WEL TWA (mg/m <sup>3</sup> )	0.5 mg/m <sup>3</sup>

#### 8.2. Exposure controls

Appropriate engineering controls	:	Ensure good ventilation of the work station.
Hand protection	:	Protective gloves
Eye protection	:	Safety glasses
Skin and body protection	:	Long sleeved protective clothing
Respiratory protection	:	In the event of insufficient ventilation: Dust mask (NF EN 149 - FFPS2 / 3M 8822 / 9320)
Environmental exposure controls	:	Take all necessary precautions to avoid the accidental release of the product outside, due to the rupture of containers or transfer systems.

### SECTION 9: Physical and chemical properties

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

Physical state	:	Solid
Appearance	:	Fibres.
Colour	:	Metallic.
Odour	:	odourless.
Odour threshold	:	Not established
pH	:	Not applicable
Relative evaporation rate (butyl acetate=1)	:	No data available
Melting point	:	900 - 1000 °C
Freezing point	:	Not required
Boiling point	:	Not applicable
Flash point	:	Not applicable
Auto-ignition temperature	:	Not applicable
Decomposition temperature	:	No data available
Flammability (solid, gas)	:	The product is not flammable
Vapour pressure	:	Not applicable
Relative vapour density at 20 °C	:	Not applicable
Relative density	:	7.2
Solubility	:	Insoluble.
Log Pow	:	Not applicable
Viscosity, kinematic	:	Not applicable
Viscosity, dynamic	:	Not applicable
Explosive properties	:	Not applicable.
Oxidising properties	:	Not applicable.
Explosive limits	:	No data available Not applicable

#### 9.2. Other information

Specific conductivity	:	180 µW.cm
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### SECTION 10: Stability and reactivity

#### 10.1. Reactivity

To our knowledge, the product does not present any particular risk.

#### 10.2. Chemical stability

Stable at ambient temperature and under normal conditions of use.

#### 10.3. Possibility of hazardous reactions

None to our knowledge.

#### 10.4. Conditions to avoid

None.

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### 10.5. Incompatible materials

Hydrofluoric Acid. Fluoronitric acid.

### 10.6. Hazardous decomposition products

on contact with incompatible materials : Hydrogen. Nitrous fumes.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

Acute toxicity : Not classified (Based on available data, the classification criteria are not met)

Iron (7439-89-6)	
LD50 oral rat	30000 mg/kg (Published data)

Skin corrosion/irritation : Not classified (Based on available data, the classification criteria are not met)  
pH: Not applicable

Serious eye damage/irritation : Not classified (Based on available data, the classification criteria are not met)  
pH: Not applicable

Respiratory or skin sensitisation : Not classified (Based on available data, the classification criteria are not met)

Germ cell mutagenicity : Not classified (Based on available data, the classification criteria are not met)

Carcinogenicity : Not classified (Based on available data, the classification criteria are not met)

Reproductive toxicity : Not classified (Based on available data, the classification criteria are not met)

Specific target organ toxicity (single exposure) : Not classified (Based on available data, the classification criteria are not met)

Specific target organ toxicity (repeated exposure) : Not classified (Based on available data, the classification criteria are not met)

Aspiration hazard : Not classified (Technical impossibility to obtain the data)

## SECTION 12: Ecological information

### 12.1. Toxicity

Ecology - general : To our knowledge, the product does not present any particular risk.

### 12.2. Persistence and degradability

FIBRAFLEX	
Persistence and degradability	Not readily biodegradable.

### 12.3. Bioaccumulative potential

FIBRAFLEX	
Log Pow	Not applicable
Bioaccumulative potential	Not bioaccumulable.

### 12.4. Mobility in soil

No additional information available

### 12.5. Results of PBT and vPvB assessment

FIBRAFLEX	
This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII	
This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII	

### 12.6. Other adverse effects

No additional information available

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Waste treatment methods : Dispose of in accordance with relevant local regulations.

## SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

### 14.1. UN number

UN-No. (ADR) : Not applicable

UN-No. (IMDG) : Not applicable

UN-No. (IATA) : Not applicable

UN-No. (ADN) : Not applicable

UN-No. (RID) : Not applicable

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### 14.2. UN proper shipping name

Proper Shipping Name (ADR)	: Not applicable
Proper Shipping Name (IMDG)	: Not applicable
Proper Shipping Name (IATA)	: Not applicable
Proper Shipping Name (ADN)	: Not applicable
Proper Shipping Name (RID)	: Not applicable

### 14.3. Transport hazard class(es)

#### ADR

Transport hazard class(es) (ADR) : Not applicable

#### IMDG

Transport hazard class(es) (IMDG) : Not applicable

#### IATA

Transport hazard class(es) (IATA) : Not applicable

#### ADN

Transport hazard class(es) (ADN) : Not applicable

#### RID

Transport hazard class(es) (RID) : Not applicable

### 14.4. Packing group

Packing group (ADR)	: Not applicable
Packing group (IMDG)	: Not applicable
Packing group (IATA)	: Not applicable
Packing group (ADN)	: Not applicable
Packing group (RID)	: Not applicable

### 14.5. Environmental hazards

Dangerous for the environment	: No
Marine pollutant	: No
Other information	: No supplementary information available

### 14.6. Special precautions for user

Special transport precautions : No additional information available

#### - Overland transport

No data available

#### - Transport by sea

No data available

#### - Air transport

No data available

#### - Inland waterway transport

No data available

#### - Rail transport

No data available

### 14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

## SECTION 15: Regulatory information

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

#### 15.1.1. EU-Regulations

Contains no REACH substances with Annex XVII restrictions  
Contains no substance on the REACH candidate list  
Contains no REACH Annex XIV substances

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### 15.1.2. National regulations

No additional information available

### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out

## SECTION 16: Other information

Other information

: No experimental study on the product is available. The information given is based on our knowledge of the components and the classification of the product is determined by calculation.  
Safety data sheet established by : LISAM SERVICES - TELEGIS  
17, Rue de la Couture F-60400 PASSEL  
Safety Made Easy with [www.lisam.com](http://www.lisam.com).

SDS EU (REACH Annex II)

*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*