

# SAFETY DATA SHEET

Based upon Regulation (EC) No. 1907/2006, as amended by Regulation (EC) No. 453/2010

## BEKAERT Steelfibres - loose and glued steelfibres

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

#### 1.1 Product identifier:

**Product name** : BEKAERT Steelfibres - loose and glued steelfibres  
**Synonyms** : GH 99/99; Lx 99/9,9; Wiremix Wxx  
**Registration number REACH** : Not applicable (article)  
**Product type REACH** : Article

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

##### 1.2.1 Relevant identified uses

Construction

##### 1.2.2 Uses advised against

No uses advised against known

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

##### Supplier of the safety data sheet

NV Bekaert SA  
Bekaertstraat 2  
B-8550 Zwevegem  
Tel: +32 56 76 61 11  
Fax: +32 56 76 77 93  
info@bekaert.com

##### Manufacturer of the product

NV Bekaert SA  
Verzetslaan 3  
B-8552 Moen

infobuilding@bekaert.com

#### 1.4 Emergency telephone number:

24h/24h:  
+32 56 46 10 00

### SECTION 2: Hazards identification

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

##### 2.1.1 Classification according to Regulation EC No 1272/2008

Not classified as dangerous according to the criteria of Regulation (EC) No 1272/2008

##### 2.1.2 Classification according to Directive 67/548/EEC-1999/45/EC

Not classified as dangerous according to the criteria of directive(s) 67/548/EEC and/or 1999/45/EC

#### 2.2 Label elements:

##### Labelling according to Regulation EC No 1272/2008 (CLP)

Labelling does not apply to articles

##### Labelling according to Directive 67/548/EEC-1999/45/EC (DSD/DPD)

Labelling does not apply to articles

#### 2.3 Other hazards:

##### CLP

No other hazards known

##### DSD/DPD

No other hazards known

# BEKAERT Steelfibres - loose and glued steelfibres

## SECTION 3: Composition/information on ingredients

### 3.1 Substances:

This article does not contain any notifiable substances

### 3.2 Mixtures:

Not applicable

## SECTION 4: First aid measures

### 4.1 Description of first aid measures:

#### General:

If you feel unwell, seek medical advice.

#### After inhalation:

Remove the victim into fresh air. Respiratory problems: consult a doctor/medical service.

#### After skin contact:

Rinse with water. Soap may be used. Take victim to a doctor if irritation persists.

#### After eye contact:

Rinse with water. Take victim to an ophthalmologist if irritation persists.

#### After ingestion:

Rinse mouth with water. Consult a doctor/medical service if you feel unwell.

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

#### 4.2.1 Acute symptoms

##### After inhalation:

No effects known.

##### After skin contact:

No effects known.

##### After eye contact:

No effects known.

##### After ingestion:

No effects known.

#### 4.2.2 Delayed symptoms

No effects known.

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

If applicable and available it will be listed below.

## SECTION 5: Firefighting measures

### 5.1 Extinguishing media:

#### 5.1.1 Suitable extinguishing media:

Adapt extinguishing media to the environment.

#### 5.1.2 Unsuitable extinguishing media:

No unsuitable extinguishing media known.

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

On burning: formation of small quantities of carbon monoxide - carbon dioxide, sulphur oxides and formation of metallic fumes.

### 5.3 Advice for firefighters:

#### 5.3.1 Instructions:

No specific fire-fighting instructions required.

#### 5.3.2 Special protective equipment for fire-fighters:

Gloves. Protective clothing. Heat/fire exposure: compressed air/oxygen apparatus.

## SECTION 6: Accidental release measures

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

No naked flames.

#### 6.1.1 Protective equipment for non-emergency personnel

See heading 8.2

#### 6.1.2 Protective equipment for emergency responders

Gloves. Protective clothing.

# BEKAERT Steelfibres - loose and glued steelfibres

Suitable protective clothing

See heading 8.2

## 6.2 Environmental precautions:

No data available

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

Pick-up the material.

## 6.4 Reference to other sections:

See heading 13.

## SECTION 7: Handling and storage

The information in this section is a general description. If applicable and available, exposure scenarios are attached in annex. Always use the relevant exposure scenarios that correspond to your identified use.

### 7.1 Precautions for safe handling:

Avoid raising dust. Keep away from naked flames/heat. Observe normal hygiene standards.

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

#### 7.2.1 Safe storage requirements:

Storage temperature: 0 - 60 °C. Store in a dry area. Meet the legal requirements.

#### 7.2.2 Keep away from:

Heat sources, oxidizing agents, (strong) acids.

#### 7.2.3 Suitable packaging material:

No data available

#### 7.2.4 Non suitable packaging material:

No data available

### 7.3 Specific end use(s):

If applicable and available, exposure scenarios are attached in annex. See information supplied by the manufacturer.

## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters:

#### 8.1.1 Occupational exposure

##### a) Occupational exposure limit values

If limit values are applicable and available these will be listed below.

##### b) National biological limit values

If limit values are applicable and available these will be listed below.

#### 8.1.2 Sampling methods

Product name	Test	Number
No data available		

#### 8.1.3 Applicable limit values when using the substance or mixture as intended

If limit values are applicable and available these will be listed below.

#### 8.1.4 DNEL/PNEC values

If applicable and available it will be listed below.

#### 8.1.5 Control banding

If applicable and available it will be listed below.

### 8.2 Exposure controls:

The information in this section is a general description. If applicable and available, exposure scenarios are attached in annex. Always use the relevant exposure scenarios that correspond to your identified use.

#### 8.2.1 Appropriate engineering controls

Avoid raising dust. Keep away from naked flames/heat.

#### 8.2.2 Individual protection measures, such as personal protective equipment

Observe normal hygiene standards. Do not eat, drink or smoke during work.

##### a) Respiratory protection:

Respiratory protection not required in normal conditions. Dust production: dust mask with filter type P1.

##### b) Hand protection:

Gloves.

##### c) Eye protection:

Safety glasses. In case of dust production: protective goggles.

##### d) Skin protection:

Protective clothing.

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Product number: 47880

3 / 8

# BEKAERT Steelfibres - loose and glued steelfibres

## 8.2.3 Environmental exposure controls:

See headings 6.2, 6.3 and 13

## SECTION 9: Physical and chemical properties

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

Physical form	Solid
	Metal
	Fibres
Odour	Odourless
Odour threshold	Not applicable
Colour	Grey
Particle size	No data available
Explosion limits	No data available
Flammability	No data available on direct fire hazard
Log Kow	No data available
Dynamic viscosity	No data available
Kinematic viscosity	No data available
Melting point	No data available
Boiling point	No data available
Flash point	No data available
Evaporation rate	No data available
Vapour pressure	No data available
Relative vapour density	Not applicable
Solubility	water ; < 0.1 g/100 ml
Relative density	> 1
Decomposition temperature	No data available
Auto-ignition temperature	No data available
Explosive properties	No chemical group associated with explosive properties
Oxidising properties	No chemical group associated with oxidising properties
pH	No data available

#### Physical hazards

No data available

### 9.2 Other information:

No data available

## SECTION 10: Stability and reactivity

### 10.1 Reactivity:

No data available.

### 10.2 Chemical stability:

No data available.

### 10.3 Possibility of hazardous reactions:

No data available.

### 10.4 Conditions to avoid:

Avoid raising dust. Keep away from naked flames/heat.

### 10.5 Incompatible materials:

Oxidizing agents, (strong) acids.

### 10.6 Hazardous decomposition products:

On burning: formation of small quantities of carbon monoxide - carbon dioxide, sulphur oxides and formation of metallic fumes.

## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects:

#### 11.1.1 Test results

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Revision number: 0101

Product number: 47880

4 / 8

# BEKAERT Steelfibres - loose and glued steelfibres

## Acute toxicity

BEKAERT Steelfibres - loose and glued steelfibres

No (test)data available

### Conclusion

Not classified for acute toxicity

## Corrosion/irritation

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No (test)data available

### Conclusion

Not classified as irritating to the skin

Not classified as irritating to the eyes

Not classified as irritating to the respiratory system

## Respiratory or skin sensitisation

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No (test)data available

### Conclusion

Not classified as sensitizing for inhalation

Not classified as sensitizing for skin

## Specific target organ toxicity

BEKAERT Steelfibres - loose and glued steelfibres

No (test)data available

### Conclusion

Not classified for subchronic toxicity

## Mutagenicity (in vitro)

BEKAERT Steelfibres - loose and glued steelfibres

No (test)data available

## Mutagenicity (in vivo)

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No (test)data available

## Carcinogenicity

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No (test)data available

## Reproductive toxicity

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No (test)data available

### Conclusion CMR

Not classified for carcinogenicity

Not classified for mutagenic or genotoxic toxicity

Not classified for reprotoxic or developmental toxicity

## Toxicity other effects

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No (test)data available

## Chronic effects from short and long-term exposure

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No effects known.

## 11.1.2 Other information

BEKAERT Steelfibres - loose and glued steelfibres

No (test)data available

## SECTION 12: Ecological information

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Product number: 47880

5 / 8

# BEKAERT Steelfibres - loose and glued steelfibres

## 12.1 Toxicity:

BEKAERT Steelfibres - loose and glued steelfibres

No (test)data available

### Conclusion

No data available on ecotoxicity

## 12.2 Persistence and degradability:

Biodegradability: not applicable

## 12.3 Bioaccumulative potential:

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### Log Kow

Method	Remark	Value	Temperature	Value determination
	No data available			

### Conclusion

No bioaccumulation data available

## 12.4 Mobility in soil:

No data available

## 12.5 Results of PBT and vPvB assessment:

The criteria of PBT and vPvB as listed in Annex XIII of Regulation (EC) No 1907/2006 do not apply to inorganic substances.

## 12.6 Other adverse effects:

BEKAERT Steelfibres - loose and glued steelfibres

### Global warming potential (GWP)

None of the known components is included in the list of substances which may contribute to the greenhouse effect (Regulation (EC) No 842/2006)

### Ozone-depleting potential (ODP)

Not classified as dangerous for the ozone layer (Regulation (EC) No. 1272/2008 and 1005/2009)

## SECTION 13: Disposal considerations

The information in this section is a general description. If applicable and available, exposure scenarios are attached in annex. Always use the relevant exposure scenarios that correspond to your identified use.

### 13.1 Waste treatment methods:

#### 13.1.1 Provisions relating to waste

Waste material code (Directive 2008/98/EC, decision 2000/0532/EC).

17 04 05 (iron and steel). Can be considered as non hazardous waste according to Directive 2008/98/EC.

#### 13.1.2 Disposal methods

Recycle/reuse. Remove waste in accordance with local and/or national regulations.

#### 13.1.3 Packaging/Container

No data available.

## SECTION 14: Transport information

### Road (ADR)

#### 14.1 UN number:

Transport	Not subject
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#### 14.2 UN proper shipping name:

#### 14.3 Transport hazard class(es):

Hazard identification number	
Class	
Classification code	

#### 14.4 Packing group:

Packing group	
Labels	

#### 14.5 Environmental hazards:

Environmentally hazardous substance mark	no
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#### 14.6 Special precautions for user:

Special provisions	
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Date of revision: 2013-04-04

Revision number: 0101

Product number: 47880

6 / 8

# BEKAERT Steelfibres - loose and glued steelfibres

Limited quantities	
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## Rail (RID)

14.1 UN number:

Transport	Not subject
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14.2 UN proper shipping name:

14.3 Transport hazard class(es):

Hazard identification number	
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Class	
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Classification code	
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14.4 Packing group:

Packing group	
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Labels	
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14.5 Environmental hazards:

Environmentally hazardous substance mark	no
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14.6 Special precautions for user:

Special provisions	
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Limited quantities	
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## Inland waterways (ADN)

14.1 UN number:

Transport	Not subject
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14.2 UN proper shipping name:

14.3 Transport hazard class(es):

Class	
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Classification code	
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14.4 Packing group:

Packing group	
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Labels	
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14.5 Environmental hazards:

Environmentally hazardous substance mark	no
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14.6 Special precautions for user:

Special provisions	
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Limited quantities	
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## Sea (IMDG)

14.1 UN number:

Transport	Not subject
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14.2 UN proper shipping name:

14.3 Transport hazard class(es):

Class	
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14.4 Packing group:

Packing group	
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Labels	
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14.5 Environmental hazards:

Marine pollutant	-
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Environmentally hazardous substance mark	no
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14.6 Special precautions for user:

Special provisions	
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Limited quantities	
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14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code:

Annex II of MARPOL 73/78	
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## Air (ICAO-TI/IATA-DGR)

14.1 UN number:

Transport	Not subject
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14.2 UN proper shipping name:

14.3 Transport hazard class(es):

Class	
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14.4 Packing group:

Packing group	
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Labels	
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14.5 Environmental hazards:

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Product number: 47880

7 / 8

# BEKAERT Steelfibres - loose and glued steelfibres

Environmentally hazardous substance mark	no
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## 14.6 Special precautions for user:

Special provisions	
Passenger and cargo transport: limited quantities: maximum net quantity per packaging	

## SECTION 15: Regulatory information

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

European legislation:

### 15.2 Chemical safety assessment:

No chemical safety assessment is required.

## SECTION 16: Other information

### Full text of any R-phrases referred to under headings 2 and 3:

(\*) = INTERNAL CLASSIFICATION BY BIG

PBT-substances = persistent, bioaccumulative and toxic substances

DSD Dangerous Substance Directive

DPD Dangerous Preparation Directive

CLP (EU-GHS) Classification, labelling and packaging (Globally Harmonised System in Europe)

The information in this safety data sheet is based on data and samples provided to BIG. The sheet was written to the best of our ability and according to the state of knowledge at that time. The safety data sheet only constitutes a guideline for the safe handling, use, consumption, storage, transport and disposal of the substances/preparations/mixtures mentioned under point 1. New safety data sheets are written from time to time. Only the most recent versions may be used. Old versions must be destroyed. Unless indicated otherwise word for word on the safety data sheet, the information does not apply to substances/preparations/mixtures in purer form, mixed with other substances or in processes. The safety data sheet offers no quality specification for the substances/preparations/mixtures in question. Compliance with the instructions in this safety data sheet does not release the user from the obligation to take all measures dictated by common sense, regulations and recommendations or which are necessary and/or useful based on the real applicable circumstances. BIG does not guarantee the accuracy or exhaustiveness of the information provided and cannot be held liable for any changes by third parties. This safety data sheet is only to be used within the European Union, Switzerland, Iceland, Norway and Liechtenstein. Any use outside of this area is at your own risk. Use of this safety data sheet is subject to the licence and liability limiting conditions as stated in your BIG licence agreement or when this is failing the general conditions of BIG. All intellectual property rights to this sheet are the property of BIG and its distribution and reproduction are limited. Consult the mentioned agreement/conditions for details.

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8 / 8