

SAFETY DATA SHEET

Based upon Regulation (EC) No 1907/2006, as amended by Regulation (EU) No 2015/830

Bekaert Dramix Loose and Glued BRIGHT/GALVANIZED Steel Fibres

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

1.1. Product identifier

Product name : Bekaert Dramix Loose and Glued BRIGHT/GALVANIZED Steel Fibres
Synonyms : xC99/99Bx - xD 99/99BG (=Dramix Glued BRIGHT Steel fibres); xC99/99Cx - xD 99/99GG (=Dramix Glued GALVANIZED Steel fibres); xL99/99Bx - xD 99/99Bx - OL 99/.99 (=Dramix Loose BRIGHT Steel fibres); xL99/99Cx - xD 99/99Gx (=Dramix Loose GALVANIZED Steel fibres)
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
☎ +32 56 76 61 11
✉ +32 56 76 77 93
info@bekaert.com

Manufacturer of the product

NV Bekaert SA
Bekaertstraat 2
B-8550 Zwevegem
infobuilding@bekaert.com

1.4. Emergency telephone number

During business hours :
+32 56 76 61 11
For Australia only : 1300 665 755

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

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

2.2. Label elements

Labelling does not apply to articles

2.3. Other hazards

No other hazards known

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

This article contains nickel that may cause an allergic reaction on direct and prolonged contact with the skin

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:

Created by: Brandweerinformatiecentrum voor gevaarlijke stoffen vzw (BIG)
Technische Schoolstraat 43 A, B-2440 Geel
<http://www.big.be>
© BIG vzw
Reason for revision: 1.4
Revision number: 0203

Publication date: 2004-07-06
Date of revision: 2020-10-06

Product number: 40660

1 / 7

134-16527-704-en

Bekaert Dramix Loose and Glued BRIGHT/GALVANIZED Steel Fibres

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

After eye contact:

Rinse with water. Remove contact lenses, if present and easy to do. Continue rinsing. 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:

Small fire: Dry sand, Quick-acting D powder extinguisher.

5.1.2 Unsuitable extinguishing media:

Small fire: Quick-acting CO2 extinguisher, Water, Foam, Quick-acting ABC powder extinguisher, Quick-acting BC powder extinguisher.

Major fire: Water, Foam.

5.2. Special hazards arising from the substance or mixture

Upon combustion: formation of CO and CO₂, metal oxides and small quantities of nitrous vapours, phosphorus oxides.

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: self-contained breathing 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.

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 °C - 60 °C. Store in a dry area. Meet the legal requirements.

7.2.2 Keep away from:

Heat sources, oxidizing agents, (strong) acids.

Bekaert Dramix Loose and Glued BRIGHT/GALVANIZED Steel Fibres

7.2.3 Suitable packaging material:

Paper, polyethylene.

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

If applicable and available it will be listed below.

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 Threshold 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.

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 Fibres
Odour	Odourless
Odour threshold	Not applicable
Colour	No data available on colour
Particle size	No data available
Explosion limits	No data available
Flammability	Non-flammable
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
Evaporation rate	No data available
Relative vapour density	Not applicable
Vapour pressure	No data available
Solubility	Water ; insoluble
Relative density	> 1
Decomposition temperature	No data available
Auto-ignition temperature	No data available
Flash point	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

Reason for revision: 1.4

Publication date: 2004-07-06

Date of revision: 2020-10-06

Revision number: 0203

Product number: 40660

3 / 7

Bekaert Dramix Loose and Glued BRIGHT/GALVANIZED Steel Fibres

9.2. Other information

No data available

SECTION 10: Stability and reactivity

10.1. Reactivity

No data available.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

No data available.

10.4. Conditions to avoid

Precautionary measures

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

10.5. Incompatible materials

Oxidizing agents, (strong) acids.

10.6. Hazardous decomposition products

Upon combustion: formation of CO and CO₂, metal oxides and small quantities of nitrous vapours, phosphorus oxides.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

11.1.1 Test results

Acute toxicity

Bekaert Dramix Loose and Glued BRIGHT/GALVANIZED Steel Fibres

No (test)data on the mixture available

Conclusion

Not classified for acute toxicity

Corrosion/irritation

Bekaert Dramix Loose and Glued BRIGHT/GALVANIZED Steel Fibres

No (test)data on the mixture 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

Bekaert Dramix Loose and Glued BRIGHT/GALVANIZED Steel Fibres

No (test)data on the mixture available

Conclusion

Not classified as sensitizing for inhalation

Not classified as sensitizing for skin

Specific target organ toxicity

Bekaert Dramix Loose and Glued BRIGHT/GALVANIZED Steel Fibres

No (test)data on the mixture available

Conclusion

Not classified for subchronic toxicity

Mutagenicity (in vitro)

Bekaert Dramix Loose and Glued BRIGHT/GALVANIZED Steel Fibres

No (test)data on the mixture available

Mutagenicity (in vivo)

Bekaert Dramix Loose and Glued BRIGHT/GALVANIZED Steel Fibres

No (test)data on the mixture available

Conclusion

Not classified for mutagenic or genotoxic toxicity

Carcinogenicity

Bekaert Dramix Loose and Glued BRIGHT/GALVANIZED Steel Fibres

No (test)data on the mixture available

Reason for revision: 1.4

Publication date: 2004-07-06

Date of revision: 2020-10-06

Revision number: 0203

Product number: 40660

4 / 7

Bekaert Dramix Loose and Glued BRIGHT/GALVANIZED Steel Fibres

Conclusion

Not classified for carcinogenicity

Reproductive toxicity

Bekaert Dramix Loose and Glued BRIGHT/GALVANIZED Steel Fibres

No (test)data on the mixture available

Conclusion

Not classified for reprotoxic or developmental toxicity

Toxicity other effects

Bekaert Dramix Loose and Glued BRIGHT/GALVANIZED Steel Fibres

No (test)data on the mixture available

Chronic effects from short and long-term exposure

Bekaert Dramix Loose and Glued BRIGHT/GALVANIZED Steel Fibres

Skin rash/inflammation.

SECTION 12: Ecological information

12.1. Toxicity

Bekaert Dramix Loose and Glued BRIGHT/GALVANIZED Steel Fibres

No (test)data on the mixture available

Conclusion

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

12.2. Persistence and degradability

Water

Biodegradability in water: no data available

12.3. Bioaccumulative potential

Bekaert Dramix Loose and Glued BRIGHT/GALVANIZED Steel Fibres

Log Kow

Method	Remark	Value	Temperature	Value determination
	No data available			

Conclusion

No bioaccumulation data available

12.4. Mobility in soil

No (test)data on mobility of the component(s) available

12.5. Results of PBT and vPvB assessment

Due to insufficient data no statement can be made whether the component(s) fulfil(s) the criteria of PBT and vPvB according to Annex XIII of Regulation (EC) No 1907/2006.

12.6. Other adverse effects

Bekaert Dramix Loose and Glued BRIGHT/GALVANIZED Steel Fibres

Greenhouse gases

None of the known components is included in the list of fluorinated greenhouse gases (Regulation (EU) No 517/2014)

Ozone-depleting potential (ODP)

Not classified as dangerous for the ozone layer (Regulation (EC) No 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

European Union

Can be considered as non hazardous waste according to Directive 2008/98/EC, as amended by Regulation (EU) No 1357/2014 and Regulation (EU) No 2017/997.

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

17 04 05 (metals (including their alloys): iron and steel). Depending on branch of industry and production process, also other waste codes may be applicable.

13.1.2 Disposal methods

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

13.1.3 Packaging/Container

European Union

Reason for revision: 1.4

Publication date: 2004-07-06

Date of revision: 2020-10-06

Revision number: 0203

Product number: 40660

5 / 7

Bekaert Dramix Loose and Glued BRIGHT/GALVANIZED Steel Fibres

Waste material code packaging (Directive 2008/98/EC).
 15 01 01 (paper and cardboard packaging).
 15 01 02 (plastic packaging).

SECTION 14: Transport information

Road (ADR), Rail (RID), Inland waterways (ADN), Sea (IMDG/IMSBC), Air (ICAO-TI/IATA-DGR)

14.1. UN number	Transport	Not subject
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	
14.6. Special precautions for user		
Special provisions		
Limited quantities		
14.7. Transport in bulk according to Annex II of Marpol and the IBC Code		
Annex II of MARPOL 73/78	Not applicable	

SECTION 15: Regulatory information

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

European legislation:

VOC content Directive 2010/75/EU

VOC content	Remark
	No data available

National legislation Belgium

Bekaert Dramix Loose and Glued BRIGHT/GALVANIZED Steel Fibres

No data available

National legislation The Netherlands

Bekaert Dramix Loose and Glued BRIGHT/GALVANIZED Steel Fibres

Waterbezwaarlijkheid	Not applicable (article)
----------------------	--------------------------

National legislation France

Bekaert Dramix Loose and Glued BRIGHT/GALVANIZED Steel Fibres

No data available

National legislation Germany

Bekaert Dramix Loose and Glued BRIGHT/GALVANIZED Steel Fibres

WGK	Not applicable (article)
-----	--------------------------

National legislation United Kingdom

Bekaert Dramix Loose and Glued BRIGHT/GALVANIZED Steel Fibres

No data available

Other relevant data

Bekaert Dramix Loose and Glued BRIGHT/GALVANIZED Steel Fibres

No data available

15.2. Chemical safety assessment

No chemical safety assessment is required.

SECTION 16: Other information

(*)	INTERNAL CLASSIFICATION BY BIG
ADI	Acceptable daily intake
AOEL	Acceptable operator exposure level
CLP (EU-GHS)	Classification, labelling and packaging (Globally Harmonised System in Europe)
DMEL	Derived Minimal Effect Level
DNEL	Derived No Effect Level
EC50	Effect Concentration 50 %
ERC50	EC50 in terms of reduction of growth rate
LC50	Lethal Concentration 50 %
LD50	Lethal Dose 50 %
NOAEL	No Observed Adverse Effect Level

Reason for revision: 1.4

Publication date: 2004-07-06

Date of revision: 2020-10-06

Revision number: 0203

Product number: 40660

6 / 7

Bekaert Dramix Loose and Glued BRIGHT/GALVANIZED Steel Fibres

NOEC	No Observed Effect Concentration
OECD	Organisation for Economic Co-operation and Development
PBT	Persistent, Bioaccumulative & Toxic
PNEC	Predicted No Effect Concentration
STP	Sludge Treatment Process
vPvB	very Persistent & very Bioaccumulative

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. 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.

Reason for revision: 1.4

Publication date: 2004-07-06

Date of revision: 2020-10-06

Revision number: 0203

Product number: 40660

7 / 7