

# FB Intumescent Cassettes



## Safety Data Sheet

### 1. Identification of substance/mixture and of the company

1.1 Product Identifier	Securo FB Intumescent Cassette construction materials
1.2 Relevant Identified uses of substance or mixture and uses advised against	Structural fire protection under influence of temperature intumescent building material
1.3 Details of the supplier of the safety data sheet	Securo AS, Industrivegen 10, 7650 Verdal Norway  Tel: +47 99 41 90 00 Email: post@securo.no; Web: www.securonorway.no
1.4 Emergency telephone number	Main office between 08:00 to 15:00 CET + 47 99 41 90 00

### 2. Hazards identification

2.1 Classification of the substance or mixture	Classification (REGULATION (EC) No 1272/2008) The mixture is not classified as hazardous in accordance to the Globally Harmonized System (GHS)
2.2 Label elements	Labeling (REGULATION (EC) No 1272/2008) The mixture is not classified as hazardous in accordance to the Globally Harmonized System (GHS). No labelling applicable.
2.3 Other Hazards	No specific dangers known, if the regulations/notes for storage and handling are considered.

### 3. Composition / Information on ingredients

3.1 Substances	Not applicable
3.2 Mixtures	
Chemical Nature:	Article
Components:	No hazardous ingredients

## 4. First aid measures

### 4.1 Description of first aid measures

#### General advice

Do not leave the victim unattended

#### After inhalation

If unconscious, place in recovery position and seek medical advice. If symptoms persist, call a physician.

#### After contact with skin

Wash thoroughly with soap water. Consult a doctor if skin irritation persists.

#### After contact with eyes

Remove contact lenses. Protect unharmed eye. If eye irritation persists, consult a specialist.

#### After ingestion

Keep respiratory tract clear. Do not give milk or alcoholic beverages. Never give anything by mouth to an unconscious person. If symptoms persist, call a physician.

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

When used and handled according to specifications, the product does not have any harmful effects according to our experience and the information provided to us.

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

Treat symptomatically

## 5. Firefighting measures

### 5.1 Extinguishing media

#### Suitable extinguishing media

Water spray

Foam

Dry powder

Carbon dioxide (CO<sub>2</sub>)

#### Unsuitable extinguishing media

Water jet

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

#### Specific hazards during fire fighting

Formation of further decomposition and oxidation products depends upon the fire conditions.

Under special fire conditions traces of other toxic substances are possible.

### 5.3 Advice for firefighters

#### Special protective equipment for fire-fighters

Wear self-contained breathing apparatus for firefighting if necessary.

#### Further information

The degree of risk is governed by the burning substance and the fire conditions. In case of combustion evolution of toxic gases/vapours possible. Dispose of fire debris and contaminated extinguishing water in accordance with official regulations.

#### Standard procedure for chemical fires

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

## 6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Personnel precautions:  
Avoid dust formation

6.2 Environmental precautions

No special environmental precautions required

6.3 Methods and material for containment and cleaning up

Methods for cleaning up

Sweep/shovel up

Sweep up or vacuum small pieces and dusts and place in appropriate container for disposal.

Dispose of absorbed material in accordance with regulations.

Pick up and arrange disposal without creating dust.

Sweep up and shovel. Keep in suitable, closed containers for disposal.

6.4 Reference to other sections

For further information refer to section 7, 8, 11, 12 and 13

## 7. Handling and storage

7.1 Precautions for safe handling

Advice on safe handling

For protection see section 8. Smoking, eating and drinking should be prohibited in the application area.

Advice on protection against fire and explosion

Avoid dust formation. Dust can form an explosive mixture with air. Provide exhaust ventilation. When the product is ground (chopped), dust explosion regulations should be noted.

Provide appropriate exhaust ventilation places where dust is formed.

Hygiene measures

General industrial hygiene practice.

7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage areas and containers

Electrical installations/working materials must comply with the technological safety standards.

Further information on storage conditions.

Protect against moisture. Keep only in the original container. Avoid direct sunlight. Keep in cool place away from heat source. Avoid extreme heat.

Advice on common storage

No materials to be especially mentioned.

Further information on storage stability

No decomposition if stored and applied as directed.

7.3 Specific end use(s)

For relevant identified use(s) listed in section 1 the advice mentioned in this section 7 is to be observed.

## 8. Exposure controls/personal protection

### 8.1 Control Parameters

None.

### 8.2 Exposure controls

Eye protection  
Safety glasses.

Hand protection  
Protective gloves against mechanical risks (EN 388).

Skin and body protection  
Protective suit.

Respiratory protection  
Breathing protection if dusts are formed. Particle filter with low efficiency for solid particles (e.g. EN 143 or 149, Type P1 or FFP1.)

Protective measures  
Avoid contact with the skin, eyes and clothing. Handle in accordance with good industrial hygiene and safety practice.

## 9. Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

Physical state:	Solid in various forms
Colour:	White
Odour:	Odorless
pH value:	9,5 (@20 °C)
Relative density:	Approx. 1,2 - 2,2 (20°C, 1.013 hPa)
Density:	Approx. 1,2 - 2,2 g/cm <sup>3</sup> (20°C, 1.013 hPa)
Bulk density:	Not applicable

#### Changes in physical state

Melting point:	Not available
Initial boiling point and range:	Unmeasurable
Flash point:	Does not flash
Sustaining combustion:	Not sustaining combustion
Decomposition point:	>100°C. Decomposition: The product decomposes.
Evaporation rate:	Not applicable. The product is a non-volatile solid.
Solubility in water:	195 g/l (20°C, 1.013 hPa)
Partition coefficient n-octanol/water:	Not applicable

#### Flammability

Solid & gas: Not highly flammable. Method: No information

### Explosion properties

Lower explosion limits (LEL):

Not explosive.

For solids not relevant for classification and labelling.

As a result of our experience with this product and our knowledge of its composition we do not expect any hazard as long as the product is used appropriately and in accordance with the intended use.

Upper explosion limits (UEL):

For solids not relevant for classification and labelling.

As a result of our experience with this product and our knowledge of its composition we do not expect any hazard as long as the product is used appropriately and in accordance with the intended use.

Ignition temperature

Not applicable

### Auto-ignition temperature

Solid:

Not applicable

Decomposition temperature:

No decomposition if stored and handled as prescribed.

No decomposition if used as directed.

Oxidizing properties

Not fire-propagating

## 9.2 Other information

Self-heating substances:

Product is not a substance capable of spontaneous heating.

Self-ignition:

Not self-igniting

## 10. Stability and reactivity

10.1 Reactivity

No decomposition if stored and applied as directed.

10.2 Chemical stability

No decomposition if stored and applied as directed.

10.3 Possibility of hazardous reactions

Stable under recommended storage conditions.

No hazards to be specially mentioned.

10.4 Conditions to avoid

See SDS section 7.

10.5 Incompatible materials

Strong oxidizing agents, strong acids.

10.6 Hazardous decomposition products

At prolonged and/or strong thermal stressing above the decomposition temperature dangerous decomposition products can be formed.

## 11. Information on toxicological effects

### 11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity (oral)	Not classified based on available information.
Acute toxicity (dermal)	Not classified based on available information.
Acute toxicity (inhalation)	Not classified based on available information.
Skin corrosion/irritation	Not classified based on available information.
Eye damage/irritation	Not classified based on available information.
Germ cell mutagenicity	Not classified based on available information.
Carcinogenicity	Not classified based on available information.
Reproductive toxicity	Not classified based on available information.
STOT- single exposure	Not classified based on available information.
STOT-repeated exposure	Not classified based on available information.
Aspiration hazard	Not classified based on available information.
11.2 Information on other hazards	No additional information available

## 12. Ecological information

12.1 Toxicity	<u>Hazardous to the aquatic environment, short term (acute)</u> This product has no known ecotoxicological effects.
	<u>Hazardous to the aquatic environment, long term (chronic)</u> This product has no known ecotoxicological effects.
12.2 Persistence and degradability	No additional information available.
12.3 Bio-accumulative potential	At the present state of knowledge, no negative eco-logical effects are expected. Based on its structural properties, the polymer is not biologically available. Accumulation in organisms is not to be expected. Discharge into the environment must be avoided.
12.4 Mobility in soil	No additional information available
12.5 Results of PBT and vPvB assessment	Not relevant
12.6 Other adverse effects	Due to the consistency of the product, dispersion into the environment is impossible. Therefore no negative effects on the environment may be anticipated based on the present state of knowledge.
	Additional ecological information
	No data available

### 13. Disposal considerations

#### 13.1 Waste treatment methods

##### Product

May be disposed of or combusted with domestic refuse according to local regulations.

Residues should be disposed of in the same manner as the substance/product.

##### Contaminated packaging

Contaminated packaging should be emptied as far as possible and disposed of in the same manner as the substance/product.

Completely emptied packages can be given for recycling.

### 14. Transport information

ADR	IMDG	IATA	AND	RID
		<b>14.1 UN number or ID number</b>		
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
		<b>14.2 UN proper shipping name</b>		
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
		<b>14.3 Transport hazard class(es)</b>		
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
		<b>14.4 Packing group</b>		
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
		<b>14.5 Environmental hazards</b>		
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated

#### 14.6 Special precautions for user

Overland transport  
Not regulated

Transport by sea  
Not regulated

Air transport  
Not regulated

Inland waterway transport  
Not regulated

Rail transport  
Not regulated

#### 14.7 Maritime transport in bulk according to IMO instruments

Not applicable for product as supplied.

## 15. Regulatory information

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

### Other regulations

If other regulatory information applies that is not already provided elsewhere in this safety data sheet, then it is described in this subsection. The data should be considered when making any assessment under the Control of Substances Hazardous to Health Regulations (COSHH), and related guidance, for example, 'COSHH Essentials' (United Kingdom).

15.2 Chemical Safety assessment

A safety data sheet for this product is legally not required and is provided as a courtesy to our customers.

Product is not classified as hazardous.  
Chemical Safety Assessment not required

## 16. Other information

Changes

Updated 2023

### Abbreviations and acronyms

ADN	European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways.
ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road.
ATE	Acute Toxicity Estimate.
BCF	Bioconcentration factor.
BLV	Biological limit value.
BOD	Biochemical oxygen demand.
COD	Chemical oxygen demand.
DMEL	Derived Minimal Effect level.
DNEL	Derived-no Effect level.
EC-NO.	European Community Number.
EC50	Median effective concentration.
EN	European standard.
IARC	International Agency for Research on Cancer.
IATA	International Air Transport Association.
IMDG	International Maritime Dangerous goods.
LC50	Median lethal concentration.
LD50	Median lethal dose.
LOAEL	Lowest Observed Adverse Effect level.
NOAEL	No-Observed Adverse Effect Level.
NOAEC	No-Observed Adverse Effect Concentration.
NOEC	No-Observed effect Concentration.
OECD	Organisation for Economic Co-operation and Development.



OEL	Occupational Exposure Limit.
PBT	Persistent Bioaccumulative Toxic.
PNEC	Predicted No-Effect Concentration.
RID	Regulations concerning the International Carriage of Dangerous Goods by Rail.
SDS	Safety Data Sheet.
STP	Sewage treatment plant.
THOD	Theoretical oxygen demand.
TLM	Median Tolerance Limit.
VOC	Volatile Organic Compounds.
CAS-NO.	Chemical Abstract Service number.
N.O.S	Not Otherwise Specified.
VPVB	Very Persistent and Very Bioaccumulative.
ED	Endocrine disrupting properties.
DOT	Department of Transport.
TDG	Transportation of Dangerous Goods.
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006.
GHS	Globally Harmonized System of Classification, Labelling and Packaging of Chemicals.
IBC-CODE	International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk.
CLP	Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008.
MARPOL 73/78	MARPOL 73/78: International Convention for the Prevention of Pollution From Ships.
ADG	Transport of Australian Dangerous Goods.

### Further Information

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.