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

1.1 Product identifier
Commercial Product Name: FBS Foam Barrier System (Component A)

1.2 Relevant identified uses of the substance or mixture and uses advised against
Relevant identified uses: Hardener
Recommended restrictions: None under normal processing. Observe technical data sheet.

1.3 Details of the supplier of the safety data sheet
Company designation: fischerwerke GmbH & Co. KG
Klaus-Fischer-Straße 1
D-72178 Waldachtal
Telephone: +49(0)7443 12-0
FAX: +49(0)7443 12-4222
Email: info-sdb@fischer.de

1.4 Emergency telephone number
Emergency telephone number: +49(0)6132-84463 (24h)

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture
Classification according to Regulation (EC) No. 1272/2008
Acute Tox. 4; H332 Skin Irrit. 2; H315 Eye Irrit. 2; H319 Resp. Sens. 1; H334 Skin Sens. 1; H317 Carc. 2; H351 STOT SE 3; H335 STOT RE 2; H373

Classification according to Directive 67/548/EEC / 1999/45/EEC
Carc. Cat.3; R40 R42/43 Xn; R20–48/20 Xi; R36/37/38

2.2 Label elements
Hazard pictogram

GHS07
GHS08

Signal word: Danger
Hazardous component(s) to be indicated on label: 4, 4’-methylenediphenyl diisocyanate, isomers and homologues
H–statement(s):
H315: Causes skin irritation.
H317: May cause an allergic skin reaction.
H319: Causes serious eye irritation.
H332: Harmful if inhaled.
H334: May cause allergy or asthma symptoms or breathing difficulties
if inhaled.
H335: May cause respiratory irritation.
H351: Suspected of causing cancer.
H373: May cause damage to organs through prolonged or repeated
exposure.

p-statements
P280: Wear protective gloves/protective clothing/eye protection/face
protection.
P285: In case of inadequate ventilation wear respiratory protection.
P302+P352: IF ON SKIN: Wash with plenty of soap and water.
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several
minutes. Remove contact lenses, if present and easy to do. Continue
rinsing.
P403+P233: Store in a well-ventilated place. Keep container tightly
closed.
P501: Dispose of contents/container to special waste treatment

2.3 Other hazards
Health hazard None known.
Particular information pertaining specific risk for human / environment
None known.
Indication of danger None known.
Hazard precautions None known.

SECTION 3: Composition/information on ingredients

Hazardous ingredients

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>Classification (EEC) No 67/548</th>
<th>Concentration</th>
</tr>
</thead>
<tbody>
<tr>
<td>4,4′-methylene diphenyl diisocyanate, isomers and homologues</td>
<td>Resp. Sens. 1; H334 Carc. 2; H351 STOT RE 2; H373 Acute Tox. 4; H332 Skin Irrit. 2; H315 Eye Irrit. 2; H319 Skin Sens. 1; H317 STOT SE 3; H335</td>
<td>&gt;= 50.0 % by weight</td>
</tr>
</tbody>
</table>

SECTION 4: First aid measures

4.1 Description of first aid measures

General advice If symptoms persist, call a physician.
Remove/Take off immediately all contaminated clothing.

If inhaled IF INHALED: Remove victim to fresh air and keep at rest in a position
comfortable for breathing.
In case of skin contact

IF ON SKIN: Gently wash with plenty of soap and water.

In case of eye contact

In case of eye contact, remove contact lens and rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.

If swallowed

If swallowed, seek medical advice immediately and show this container or label. Clean mouth with water and drink afterwards plenty of water. Drink 1 or 2 glasses of water. Do NOT induce vomiting.

4.2 Most important symptoms and effects, both acute and delayed

Symptoms

None known.

4.3 Indication of any immediate medical attention and special treatment needed

Immediate medical attention

No data available

Special medical treatment

No data available

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media

Carbon dioxide (CO2)
Dry powder
Foam
Water spray jet

Extinguishing media which must not be used for safety reasons

High volume water jet

5.2 Special hazards arising from the substance or mixture

Special exposure hazards arising from the substance or preparation itself, its combustion products, or released gases

Heating or fire can release toxic gas.

5.3 Advice for firefighters

Special protective equipment for firefighting

In the event of fire, wear self-contained breathing apparatus.
In the event of fire and/or explosion do not breathe fumes.

Additional information on firefighting

Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.
Keep containers and surroundings cool with water spray. Container may rupture on heating.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions

Ensure adequate ventilation, especially in confined areas.
6.2 Environmental precautions

Environmental precautions

The product should not be allowed to enter drains, water courses or the soil.
Prevent spreading over a wide area (e.g. by containment or oil barriers).

6.3 Methods and material for containment and cleaning up

Methods for cleaning up

Use mechanical handling equipment.
Treat recovered material as described in the section "Disposal considerations".

6.4 Reference to other sections

Reference to other sections

See chapter 7/8/13

6.5 Additional information

Other information

Dispose of in accordance with local regulations.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Advice on safe handling

None under normal processing.

Advice on protection against fire and explosion

No special precautions required.

7.2 Conditions for safe storage, including any incompatibilities

Storage space and container requirements

Keep containers tightly closed in a cool, well-ventilated place.
Store in accordance with local regulations.
Keep only in original container.

Hints on storage assembly

Store in accordance with the particular national regulations.

TRGS 510

LGK 10–13

7.3 Specific end use(s)

Specific use(s)

Further information: see technical data sheet.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

8.2 Exposure controls

Respiratory protection

No personal respiratory protective equipment normally required.

Hand protection
Suitable material: butyl-rubber, Nitrile rubber, Chloroprene
Unsuitable material: PVC disposable gloves
Material thickness: >= 0,5 mm
Break through time: >120 min
Remarks: Replace when worn. Request information on glove permeation properties from the glove supplier. Be aware that in daily use the durability of a chemical resistant protective glove can be notably shorter than the break through time measured according to EN 374, due to the numerous outside influences (e.g. temperature).

Eye protection
Tightly fitting safety goggles

Skin and body protection
Wear suitable protective equipment.

Note: Choose body protection according to the amount and concentration of the dangerous substance at the work place.

General protective and hygiene measures
Smoking, eating and drinking should be prohibited in the application area.
Avoid contact with skin, eyes and clothing.
Take off all contaminated clothing immediately.
Wash hands before breaks and at the end of workday.
Keep away from food, drink and animal feedingstuffs.
Use protective skin cream before handling the product.

Information on environmental protection regulations
No special environmental precautions required.

Engineering measures
Not applicable.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state liquid
Colour brown
Odour musty
Odour threshold not determined
pH No data available
Melting point [°C] / Freezing point [°C] > 10
Boiling point [°C] 330
Measuring method: DIN 53171
Flash point [°C] < 204
Measuring method: DIN EN 22719 / ISO 2719
Evaporation rate [kg/(s*m²)]
No data available

Explosion limits [Vol-%]
- Lower limit: not determined
- Upper limit: not determined

Vapour pressure [kPa]
not determined

Density [g/cm³]
1,22
- Temperature: 25 °C
- Measuring method: DIN 51757

Water solubility [g/l]
Water Reactive

Solubility [g/l]
No data available

Partition coefficient n–octanol / water (log P O/W)
No data available

Autoignition temperature [°C]
not determined

Autoinflammability
not auto-flammable

Decomposition temperature [°C]
> 200

Viscosity, dynamic [kg/(m*s)]
100
- Measuring method: DIN 53019

9.2 Other information
Ignition temperature [°C]
> 600
- Measuring method: DIN 51794

SECTION 10: Stability and reactivity

10.1 Reactivity
Thermal decomposition
No decomposition if stored and applied as directed.

10.2 Chemical stability
Chemical stability
Stable under recommended storage conditions.

10.3 Possibility of hazardous reactions
Hazardous reactions
No dangerous reaction known under conditions of normal use.

10.4 Conditions to avoid
Conditions to avoid
No decomposition if used as directed.

10.5 Incompatible materials
Materials to avoid
No decomposition if used as directed.
10.6 Hazardous decomposition products
Hazardous decomposition products
No decomposition if used as directed.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Hazardous ingredients

4,4’-methylenediphenyl diisocyanate, isomers and homologues

<table>
<thead>
<tr>
<th>Oral toxicity [mg/kg]</th>
<th>Test criterion</th>
<th>Test species</th>
<th>Remarks</th>
<th>Source</th>
</tr>
</thead>
<tbody>
<tr>
<td>&gt; 5000</td>
<td>LD50</td>
<td>rat</td>
<td>OECD 423</td>
<td>100</td>
</tr>
</tbody>
</table>

Source: 100 – 100

<table>
<thead>
<tr>
<th>Dermal toxicity [mg/kg]</th>
<th>Test criterion</th>
<th>Test species</th>
<th>Source</th>
</tr>
</thead>
<tbody>
<tr>
<td>&gt; 5000</td>
<td>LD50</td>
<td>rabbit</td>
<td>100</td>
</tr>
</tbody>
</table>

Source: 100 – 100

<table>
<thead>
<tr>
<th>Inhalative toxicity [mg/l]</th>
<th>Test criterion</th>
<th>Exposure duration</th>
<th>Source</th>
</tr>
</thead>
<tbody>
<tr>
<td>1,5</td>
<td>LC50</td>
<td>4 h</td>
<td>100</td>
</tr>
</tbody>
</table>

Source: 100 – 100

Irritant effect on skin Irritant
Irritant effect on eyes irritanting
Irritant effect on the respiratory tract Irritant
Sensitization Sensitising
Exposure type Dermal
Sensitising
Exposure type Inhalation

11.2 Additional information
Other information (chapter 11.) There is no data available for this product.

SECTION 12: Ecological information

12.1 Toxicity

Hazardous ingredients

4,4’-methylenediphenyl diisocyanate, isomers and homologues

<table>
<thead>
<tr>
<th>Toxicity to fish [mg/l]</th>
<th>Test criterion</th>
<th>Test species</th>
<th>Measuring method</th>
<th>Exposure duration</th>
<th>Source</th>
</tr>
</thead>
<tbody>
<tr>
<td>&gt; 100</td>
<td>LC50</td>
<td>Brachydanio rerio</td>
<td>OECD Test Guide-</td>
<td>96 h</td>
<td>100</td>
</tr>
<tr>
<td></td>
<td></td>
<td>(zebra fish)</td>
<td>line 203</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Source: 100 – 100
Toxicity to daphnia [mg/l]

<table>
<thead>
<tr>
<th>Test criterion</th>
<th>Test species</th>
<th>Exposure duration</th>
<th>Measuring method</th>
<th>Source</th>
</tr>
</thead>
<tbody>
<tr>
<td>&gt; 1000</td>
<td>EC50</td>
<td>Daphnia magna</td>
<td>24 h</td>
<td>OECD Test Guideline 202</td>
</tr>
</tbody>
</table>

Toxicity to algae [mg/l]

<table>
<thead>
<tr>
<th>Test criterion</th>
<th>Test species</th>
<th>Exposure duration</th>
<th>Source</th>
</tr>
</thead>
<tbody>
<tr>
<td>&gt; 1640</td>
<td>ErC50: Scenedesmus subspicatus</td>
<td>72 h</td>
<td>100</td>
</tr>
</tbody>
</table>

NOEC (daphnia) [mg/l]

<table>
<thead>
<tr>
<th>Test species</th>
<th>Measuring method</th>
<th>Exposure duration</th>
<th>Source</th>
</tr>
</thead>
<tbody>
<tr>
<td>&gt; 10</td>
<td>Daphnia magna</td>
<td>OECD 202</td>
<td>21 d</td>
</tr>
</tbody>
</table>

12.2 Persistence and degradability

Elimination and distribution mechanisms
- There is no data available for this product.

Elimination in purification plant
- There is no data available for this product.

Biodegradability
- There is no data available for this product.

12.3 Bioaccumulative potential

Bioaccumulation
- There is no data available for this product.

Bioconcentration factor (BCF)
- There is no data available for this product.

12.4 Mobility in soil

Distribution in the environment
- There is no data available for this product.

Mobility
- There is no data available for this product.

12.5 Results of PBT and vPvB assessment

Results of PBT characteristics determination
- This preparation contains no substance considered to be persistent, bioaccumulating nor toxic (PBT).

Results of vPvB characteristics determination
- This preparation contains no substance considered to be very persistent nor very bioaccumulating (vPvB).

12.6 Other adverse effects

Further information on ecology
- No information on ecology is available.
SECTION 13: Disposal considerations

13.1 Waste treatment methods
Disposal considerations
The product should not be allowed to enter drains, water courses or the soil.
Dispose of waste according to applicable legislation.
Empty remaining contents.

Waste Code
According to the European Waste Catalogue, Waste Codes are not product specific, but application specific.
The following Waste Codes are only suggestions:
Product (Mortar and Curing agent)
200127 – paint, inks, adhesives and resins containing dangerous substances
080409 – waste adhesives and sealants containing organic solvents or other dangerous substances
cured material and completely squeezed cartridges
200000 – MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS

SECTION 14: Transport information

<table>
<thead>
<tr>
<th>14.2 Description of the goods</th>
<th>Land transport ADR/RID</th>
<th>Marine transport IMDG</th>
<th>Air transport ICAO/IATA</th>
</tr>
</thead>
<tbody>
<tr>
<td>14.2 UN proper shipping name</td>
<td>No dangerous good ac-</td>
<td>No dangerous good ac-</td>
<td>No dangerous good ac-</td>
</tr>
<tr>
<td></td>
<td>cording to ADR</td>
<td>cording to IMDG</td>
<td>cording to IATA</td>
</tr>
</tbody>
</table>

14.8 Additional information
Other information (chapter 14.) Not dangerous goods in the meaning of ADR/RID, ADNR, IMDG–Code, ICAO/IATA–DGR

SECTION 15: Regulatory information

15.2 Chemical safety assessment
Safety assessment Not relevant. Chemical safety assessments for substances in this mixture were not carried out.

SECTION 16: Other information

Relevant R-phrases
R20: Harmful by inhalation.
R36/37/38: Irritating to eyes, respiratory system and skin.
R40: Limited evidence of a carcinogenic effect.
R42/43: May cause sensitisation by inhalation and skin contact.
R48/20: Harmful: danger of serious damage to health by prolonged exposure through inhalation.
Relevant H-phrases

- H315: Causes skin irritation.
- H317: May cause an allergic skin reaction.
- H319: Causes serious eye irritation.
- H332: Harmful if inhaled.
- H334: May cause allergy or asthma symptoms or breathing difficulties if inhaled.
- H335: May cause respiratory irritation.
- H351: Suspected of causing cancer.
- H373: May cause damage to organs through prolonged or repeated exposure.

Wording of the hazard classes

- Acute Tox.: Acute toxicity
- Skin Irrit.: Skin irritation
- Eye Irrit.: Serious eye irritation
- Resp. Sens.: Respiratory sensitization
- Skin Sens.: Skin sensitization
- Carc.: Carcinogenicity
- STOT SE: Specific target organ toxicity – single exposure
- STOT RE: Specific target organ toxicity – repeated exposure

Classification for mixtures and used evaluation method according to regulation (EC) 1207/2008 [CLP]

<table>
<thead>
<tr>
<th>Classification</th>
<th>Evaluation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acute Tox. 4; H332</td>
<td>Calculated</td>
</tr>
<tr>
<td>Skin Irrit. 2; H315</td>
<td>Calculated</td>
</tr>
<tr>
<td>Eye Irrit. 2; H319</td>
<td>Calculated</td>
</tr>
<tr>
<td>Resp. Sens. 1; H334</td>
<td>Calculated</td>
</tr>
<tr>
<td>Skin Sens. 1; H317</td>
<td>Calculated</td>
</tr>
<tr>
<td>Carc. 2; H351</td>
<td>Calculated</td>
</tr>
<tr>
<td>STOT SE 3; H335</td>
<td>Calculated</td>
</tr>
<tr>
<td>STOT RE 2; H373</td>
<td>Calculated</td>
</tr>
</tbody>
</table>

Recommended restrictions

None under normal processing. Observe technical data sheet.
SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier
Commercial Product Name: FBS Foam Barrier System (Component B)

1.2 Relevant identified uses of the substance or mixture and uses advised against
Relevant identified uses: 2K PU foam with flame retardant

1.3 Details of the supplier of the safety data sheet
Company designation: fischerwerke GmbH & Co. KG
Klaus-Fischer-Straße 1
D–72178 Waldachtal
Telephone: +49(0)7443 12–0
FAX: +49(0)7443 12–4222
Email: info-sdb@fischer.de

1.4 Emergency telephone number
Emergency telephone number: +49(0)6132–84463 (24h)

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture
Classification according to Regulation (EC) No. 1272/2008
Skin Irrit. 2; H315 Eye Irrit. 2; H319

Classification according to Directive 67/548/EEC / 1999/45/EEC
This mixture is classified as not hazardous according to 1999/45/EC.

2.2 Label elements

Hazard pictogram

GHS07

Signal word: Warning

H–statement(s)
H315: Causes skin irritation.
H319: Causes serious eye irritation.

P–statement(s)
P280: Wear protective gloves/protective clothing/eye protection/face protection.
P302+P352: IF ON SKIN: Wash with plenty of soap and water.
P332+P313: If skin irritation occurs: Get medical advice/attention.
SECTION 3: Composition/information on ingredients

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>Classification (EEC) No 67/548</th>
<th>Concentration</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bis(2-dimethylaminoethyl)methylamin</td>
<td>T; R24 Xn; R22 C; R34 Acute Tox. 3; H311 Acute Tox. 4; H302 Skin Corr. 1B; H314</td>
<td>&lt; 3.0 % by weight</td>
</tr>
<tr>
<td>Reaktionsmasse aus Propylenoxid und Phosphoroxychlorid</td>
<td>Xn; R22 Acute Tox. 4; H302</td>
<td>2.5 – 10.0 % by weight</td>
</tr>
<tr>
<td>Castor oil, sulfated, sodium salt</td>
<td>Xi; R36 Eye Irrit. 2; H319</td>
<td>2.5 – 10.0 % by weight</td>
</tr>
<tr>
<td>Gemisch aus: Isomere von 2-(2H-Benzotriazol-2-yl)-4-methyl-(n)-dodecylphenol; Isomere von 2-(2H-Benzotriazol-2-yl)-4-methyl-(n)-tetracosylphenol; Isomere von 2-(2H-Benzotriazol-2-yl)-4-methyl-5,6-didodecyl-phenol (n = 5 oder 6)</td>
<td>N; R51–53 Aquatic Chronic 2; H411</td>
<td>&lt; 1.0 % by weight</td>
</tr>
</tbody>
</table>

SECTION 4: First aid measures

4.1 Description of first aid measures

General advice If symptoms persist, call a physician.
Remove/Take off immediately all contaminated clothing.

If inhaled IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

In case of skin contact IF ON SKIN: Gently wash with plenty of soap and water.

In case of eye contact In case of eye contact, remove contact lens and rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.

If swallowed If swallowed, seek medical advice immediately and show this container or label.
Clean mouth with water and drink afterwards plenty of water. Drink 1 or 2 glasses of water.
Do NOT induce vomiting.
4.2 Most important symptoms and effects, both acute and delayed
Symptoms: None known.

4.3 Indication of any immediate medical attention and special treatment needed
Immediate medical attention: No data available
Special medical treatment: No data available

SECTION 5: Firefighting measures

5.1 Extinguishing media
Suitable extinguishing media:
- Carbon dioxide (CO2)
- Dry powder
- Foam
- Water spray jet

Extinguishing media which must not be used for safety reasons:
- High volume water jet

5.2 Special hazards arising from the substance or mixture
Special exposure hazards arising from the substance or preparation itself, its combustion products, or released gases:
Heating or fire can release toxic gas.

5.3 Advice for firefighters
Special protective equipment for firefighting:
In the event of fire, wear self-contained breathing apparatus.
In the event of fire and/or explosion do not breathe fumes.

Additional information on firefighting:
Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.
Keep containers and surroundings cool with water spray. Container may rupture on heating.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures
Personal precautions:
Ensure adequate ventilation, especially in confined areas.
Keep people away from and upwind of spill/leak.

6.2 Environmental precautions
Environmental precautions:
The product should not be allowed to enter drains, water courses or the soil.
Prevent spreading over a wide area (e.g. by containment or oil barriers).
6.3 Methods and material for containment and cleaning up
Methods for cleaning up Use mechanical handling equipment. Treat recovered material as described in the section "Disposal considerations".

6.4 Reference to other sections
Reference to other sections See chapter 7/8/13

6.5 Additional information
Other information Dispose of in accordance with local regulations.

SECTION 7: Handling and storage

7.1 Precautions for safe handling
Advice on safe handling None under normal processing.
Advice on protection against fire and explosion No special precautions required.

7.2 Conditions for safe storage, including any incompatibilities
Storage space and container requirements Keep containers tightly closed in a cool, well-ventilated place. Store in accordance with local regulations. Keep only in original container.
Hints on storage assembly Store in accordance with the particular national regulations.
TRGS 510 LGK 10–13

7.3 Specific end use(s)
Specific use(s) Further information: see technical data sheet.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters
The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

8.2 Exposure controls
Respiratory protection No personal respiratory protective equipment normally required.
Hand protection
Suitable material: butyl-rubber, Nitrile rubber, Chloroprene
Unsuitable material: PVC disposable gloves
Material thickness: >= 0,5 mm
Break through time: >120 min
Remarks: Replace when worn. Request information on glove permeation properties from the glove supplier. Be aware that in daily use the durability of a chemical resistant protective glove can be notably shorter than the break through time measured according to EN 374, due to the numerous outside influences (e.g. temperature).

Eye protection
Tightly fitting safety goggles

Skin and body protection
Wear suitable protective equipment.

Note: Choose body protection according to the amount and concentration of the dangerous substance at the work place.

General protective and hygiene measures
Smoking, eating and drinking should be prohibited in the application area.
Avoid contact with skin, eyes and clothing.
Take off all contaminated clothing immediately.
Wash hands before breaks and at the end of workday.
Keep away from food, drink and animal feedingstuffs.
Use protective skin cream before handling the product.

Information on environmental protection regulations
No special environmental precautions required.

Engineering measures
Not applicable.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

<table>
<thead>
<tr>
<th>Physical state</th>
<th>liquid</th>
</tr>
</thead>
<tbody>
<tr>
<td>Colour</td>
<td>dark grey</td>
</tr>
<tr>
<td>Odour</td>
<td>amine-like</td>
</tr>
<tr>
<td>Odour threshold</td>
<td>not determined</td>
</tr>
<tr>
<td>pH</td>
<td>No data available</td>
</tr>
<tr>
<td>Melting point [°C] / Freezing point [°C]</td>
<td>No data available</td>
</tr>
<tr>
<td>Boiling point [°C]</td>
<td>no data available</td>
</tr>
<tr>
<td>Flash point [°C]</td>
<td>not determined</td>
</tr>
<tr>
<td>Evaporation rate [kg/(s•m²)]</td>
<td>No data available</td>
</tr>
</tbody>
</table>
| Explosion limits [Vol-% ]
  Lower limit: | not determined |
  Upper limit: | not determined |
| Vapour pressure [kPa] | not determined |
Density [g/cm³] 1,4
Temperature: 20 °C
Measuring method: DIN 51751
Water solubility [g/l] soluble
Solubility [g/l] No data available
Partition coefficient n–octanol / water (log P O/W) No data available
Autoignition temperature [°C] not determined
Autoinflammability not auto–flammable
Viscosity, dynamic [kg/(m*s)] 30
Temperature: 20 °C
Risk of explosion. Not explosive

SECTION 10: Stability and reactivity

10.1 Reactivity
Thermal decomposition No decomposition if stored and applied as directed.

10.2 Chemical stability
Chemical stability Stable under recommended storage conditions.

10.3 Possibility of hazardous reactions
Hazardous reactions No dangerous reaction known under conditions of normal use.

10.4 Conditions to avoid
Conditions to avoid No decomposition if used as directed.

10.5 Incompatible materials
Materials to avoid No decomposition if used as directed.

10.6 Hazardous decomposition products
Hazardous decomposition products No decomposition if used as directed.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

11.2 Additional information
Other information (chapter 11.) There is no data available for this product.
SECTION 12: Ecological information

12.1 Toxicity

12.2 Persistence and degradability

Elimination and distribution mechanisms
There is no data available for this product.

Elimination in purification plant
There is no data available for this product.

Biodegradability
There is no data available for this product.

12.3 Bioaccumulative potential

Bioaccumulation
There is no data available for this product.

Bioconcentration factor (BCF)
There is no data available for this product.

12.4 Mobility in soil

Distribution in the environment
There is no data available for this product.

Mobility
There is no data available for this product.

12.5 Results of PBT and vPvB assessment

Results of PBT characteristics determination
This preparation contains no substance considered to be persistent, bioaccumulating nor toxic (PBT).
This preparation contains no substance considered to be very persistent nor very bioaccumulating (vPvB).

12.6 Other adverse effects

Further information on ecology
No information on ecology is available.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Disposal considerations
The product should not be allowed to enter drains, water courses or the soil.
Dispose of waste according to applicable legislation.
Empty remaining contents.

Waste Code
According to the European Waste Catalogue, Waste Codes are not product specific, but application specific.
The following Waste Codes are only suggestions:
Product (Mortar and Curing agent)
200127 – paint, inks, adhesives and resins containing dangerous substances
080409 – waste adhesives and sealants containing organic solvents or other dangerous substances
cured material and completely squeezed cartridges
Safety Data Sheet as per regulation (EC) 1907/2006
Commercial Product Name: FBS Foam Barrier System (Component B)
Revision date: 04.03.2015
Version: 1.0/en

200000 – MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS

SECTION 14: Transport information

<table>
<thead>
<tr>
<th>14.2 Description of the goods</th>
<th>Land transport ADR/RID</th>
<th>Marine transport IMDG</th>
<th>Air transport ICAO/IATA</th>
</tr>
</thead>
<tbody>
<tr>
<td>No dangerous good according to ADR</td>
<td>No dangerous good according to IMDG</td>
<td>No dangerous good according to IATA</td>
<td></td>
</tr>
<tr>
<td>14.2 UN proper shipping name</td>
<td>Non dangerous good</td>
<td>Non dangerous good</td>
<td></td>
</tr>
</tbody>
</table>

14.8 Additional information

Other information (chapter 14.)
Not dangerous goods in the meaning of ADR/RID, ADNR, IMDG-Code, ICAO/IATA-DGR

SECTION 15: Regulatory information

15.2 Chemical safety assessment

Safety assessment
Not relevant. Chemical safety assessments for substances in this mixture were not carried out.

SECTION 16: Other information

Relevant R-phrases
R22: Harmful if swallowed.
R24: Toxic in contact with skin.
R34: Causes burns.
R36: Irritating to eyes.
R51/53: Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Relevant H-phrases
H302: Harmful if swallowed.
H311: Toxic in contact with skin.
H314: Causes severe skin burns and eye damage.
H315: Causes skin irritation.
H319: Causes serious eye irritation.
H411: Toxic to aquatic life with long lasting effects.

Wording of the hazard classes
Skin Irrit.: Skin irritation
Eye Irrit.: Serious eye irritation
Acute Tox.: Acute toxicity
Skin Corr.: Skin corrosion
Aquatic Chronic: Hazardous to the aquatic environment

Classification for mixtures and used evaluation method according to regulation (EC) 1207/2008 [CLP]

<table>
<thead>
<tr>
<th>Classification</th>
<th>Evaluation</th>
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</thead>
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<tr>
<td>Skin Irrit. 2; H315</td>
<td>Calculated</td>
</tr>
<tr>
<td>Eye Irrit. 2; H319</td>
<td>Calculated</td>
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