

SAFETY DATA SHEET**Fibo Adhesive**

The safety data sheet is in accordance with Commission Regulation (EU) 2015/830 of 28 May 2015 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH)

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

Date issued 04.03.2019

1.1. Product identifier

Product name Fibo Adhesive

Synonyms Fibo Panel Adhesive White

1.2. Relevant identified uses of the substance or mixture and uses advised against**1.3. Details of the supplier of the safety data sheet**

Company name Fibo AS

Postal address Industriveien 2

Postcode 4580

City LYNGDAL

Country Norge

Telephone number 38 13 71 00

Email ordre@fibosystem.com

Website <http://www.fibosystem.com>

1.4. Emergency telephone number

Identification, comments 0044 113 240 3456 (office hours only)

SECTION 2: Hazards identification**2.1. Classification of the substance or mixture**

Classification according to Regulation (EC) No 1272/2008 [CLP / GHS] Skin Sens. 1; H317;
Aquatic Chronic 3; H412;

2.2. Label elements

Hazard pictograms (CLP)



| | |
|---|--|
| Composition on the label | Trimethoxyvinylsilane 2,5 - 5 %, N-(3-(trimethoxysilyl)propyl)ethylenediamine < 1 %, bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate 0,25 -1 %, methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate 0,25 -1 % |
| Signal word | Warning |
| Hazard statements | H317 May cause an allergic skin reaction. H412 Harmful to aquatic life with long lasting effects. |
| Precautionary statements | P101 If medical advice is needed, have product container or label at hand. P102 Keep out of reach of children. P261 Avoid breathing dust / fume / gas / mist / vapours / spray. P273 Avoid release to the environment. P280 Wear protective gloves / protective clothing / eye protection / face protection. P501 Dispose of contents/container in accordance with local regulation. |
| Special supplemental label information mixtures | Hazardous components which must be listed on the label: 217-164-6 N-(3-(trimethoxysilyl)propyl)ethylenediamine 255-437-1 bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate 280-060-4 methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate |

2.3. Other hazards

| | |
|---------------|--|
| Other hazards | This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher. |
|---------------|--|

SECTION 3: Composition / information on ingredients

3.2. Mixtures

| Substance | Identification | Classification | Contents |
|---|--|--|-----------|
| Trimethoxyvinylsilane | CAS No.: 2768-02-7 EC No.: 220-449-8 | Flam. Liq. 3; H226; Acute tox. 4; H332; STOT RE 2; H373; | 2,5 - 5 % |
| N-(3-(trimethoxysilyl) propyl) ethylenediamine | CAS No.: 1760-24-3 EC No.: 217-164-6 | Eye Dam. 1; H318; Skin Sens. 1B; H317; | < 1 % |
| bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate | CAS No.: 41556-26-7 EC No.: 255-437-1 | Skin Sens. 1A; H317; Aquatic Chronic 1; H410; Aquatic Acute 1; H400; | 0,25 -1 % |
| methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate | CAS No.: 82919-37-7 EC No.: 280-060-4 | Skin Sens. 1A; H317; Aquatic Acute 1; H400; Aquatic Chronic 1; H410; | 0,25 -1 % |

SECTION 4: First aid measures

4.1. Description of first aid measures

| | |
|--------------|---|
| General | Move out of dangerous area. Consult a physician. Show this safety data sheet to the doctor in attendance. |
| Inhalation | Move to fresh air. Consult a physician after significant exposure. |
| Skin contact | Take off contaminated clothing and shoes immediately. Wash off with soap and plenty of water. If symptoms persist, call a physician. |
| Eye contact | Remove contact lenses. Keep eye wide open while rinsing. If eye irritation persists, consult a specialist. |
| Ingestion | Do not induce vomiting without medical advice. Rinse mouth with water. Do not give milk or alcoholic beverages. Never give anything by mouth to an unconscious person. |

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

| | |
|------------------------------|--|
| General symptoms and effects | Allergic reactions See Section 11 for more detailed information on health effects and symptoms. Sensitising effects. May cause an allergic skin reaction. |
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4.3. Indication of any immediate medical attention and special treatment needed

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|-------------------|------------------------|
| Medical treatment | Treat symptomatically. |
|-------------------|------------------------|

SECTION 5: Firefighting measures

5.1. Extinguishing media

| | |
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| Suitable extinguishing media | In case of fire, use water/water spray/water jet/carbon dioxide/sand/foam/alcohol resistant foam/chemical powder for extinction. |
|------------------------------|--|

5.2. Special hazards arising from the substance or mixture

| | |
|-------------------------------|--|
| Hazardous combustion products | No hazardous combustion products are known |
|-------------------------------|--|

5.3. Advice for firefighters

| | |
|---|--|
| Special protective equipment for firefighters | In the event of fire, wear self-contained breathing apparatus. |
| Other information | Standard procedure for chemical fires. |

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

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|------------------------------|---|
| Personal protection measures | Use personal protective equipment. Deny access to unprotected persons. |
|------------------------------|---|

6.2. Environmental precautions

| | |
|--------------------------------------|--|
| Environmental precautionary measures | Do not flush into surface water or sanitary sewer system. If the product contaminates rivers and lakes or drains inform respective authorities. |
|--------------------------------------|--|

6.3. Methods and material for containment and cleaning up

| | |
|----------|---|
| Clean up | Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Keep in suitable, closed containers for disposal. |
|----------|---|

6.4. Reference to other sections

| | |
|--------------------|--|
| Other instructions | For personal protection see section 8. |
|--------------------|--|

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Protective safety measures

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|----------------------------|---|
| Protective safety measures | Do not breathe vapours or spray mist. Avoid exceeding the given occupational exposure limits (see section 8). Do not get in eyes, on skin, or on clothing. For personal protection see section 8. Persons with a history of skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used. Smoking, eating and drinking should be prohibited in the application area. Follow standard hygiene measures when handling chemical products |
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|---------------------------------|---|
| Safety measures to prevent fire | Normal measures for preventive fire protection. |
|---------------------------------|---|

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|--|---|
| Advice on general occupational hygiene | Handle in accordance with good industrial hygiene and safety practice. When using do not eat or drink. When using do not smoke. Wash hands before breaks and at the end of workday. |
|--|---|

7.2. Conditions for safe storage, including any incompatibilities

| | |
|---------|---|
| Storage | Keep container tightly closed in a dry and well-ventilated place. Store in accordance with local regulations. No decomposition if stored and applied as directed. |
|---------|---|

7.3. Specific end use(s)

| | |
|-----------------|---|
| Specific use(s) | Consult most current local Product Data Sheet prior to any use. |
|-----------------|---|

SECTION 8: Exposure controls / personal protection

8.1. Control parameters

| Substance | Identification | Value | TWA Year |
|-----------|------------------|---|----------|
| Methanol | CAS No.: 67-56-1 | Limit value type: TWA TWA (8h) : 220 ppm TWA (8h) : 266 mg/m ³ Comments: GB EH40 Limit value type: STEL TWA (8h) : 250 ppm TWA (8h) : 333 mg/m ³ Comments: GB EH40 | |

8.2. Exposure controls

Eye / face protection

Suitable eye protection

Safety glasses with side-shields conforming to EN166
Eye wash bottle with pure water

Hand protection

Skin- / hand protection, short term contact

Suitable for short time use or protection against splashes:
Butyl rubber/nitrile rubber gloves (0,4 mm),
Contaminated gloves should be removed.
Suitable for permanent exposure:
Viton gloves (0.4 mm),
breakthrough time >30 min.

Hand protection equipment

Description: Chemical-resistant, impervious gloves complying with an approved standard must be worn at all times when handling chemical products. Reference number EN 374. Follow manufacturer specifications.

Skin protection

Suitable protective clothing

Protective clothing (e.g. Safety shoes acc. to EN ISO 20345, long-sleeved working clothing, long trousers). Rubber aprons and protective boots are additionally recommended for mixing and stirring work.

Respiratory protection

Respiratory protection, comments

No special measures required.

Appropriate environmental exposure control

Environmental exposure controls, comments

Do not flush into surface water or sanitary sewer system.
If the product contaminates rivers and lakes or drains inform respective authorities.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state

Paste

| | |
|-----------------|--|
| Colour | Various |
| Odour | Alcohol-like |
| Odour limit | Comments: No data available |
| Flash point | Value: > 61 °C |
| Vapour pressure | Value: 0,01 hPa |
| Density | Value: 1,45 g/cm ³ Temperature: 20 °C |
| Solubility | Medium: Water Comments: Insoluble |
| Viscosity | Value: 200.000 mPa.s Method: Dynamic Temperature: 20 °C Value: > 20,5 mm ² /s Method: Kinematic Temperature: 40 °C |

9.2. Other information

SECTION 10: Stability and reactivity

10.1. Reactivity

| | |
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| Reactivity | No dangerous reaction known under conditions of normal use. |
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10.2. Chemical stability

| | |
|-----------|-----------------------------------|
| Stability | The product is chemically stable. |
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10.3. Possibility of hazardous reactions

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|------------------------------------|--|
| Possibility of hazardous reactions | Stable under recommended storage conditions. |
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10.4. Conditions to avoid

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|---------------------|-------------------|
| Conditions to avoid | No data available |
|---------------------|-------------------|

10.5. Incompatible materials

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| Materials to avoid | No data available |
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10.6. Hazardous decomposition products

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| Hazardous decomposition products | methanol |
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SECTION 11: Toxicological information

11.1. Information on toxicological effects

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| Acute toxicity | Type of toxicity: Acute |
|----------------|-------------------------|

Effect tested: LD50
 Route of exposure: Oral
 Value: 7,120 mg/kg
 Species: Rat
 Comments: Trimethoxyvinylsilane

Type of toxicity: Acute
 Effect tested: LC50
 Route of exposure: Inhalation.
 Duration: 4 hour(s)
 Value: 16,8 mg/l
 Comments: Test atmosphere: dust/mist trimethoxyvinylsilane

Type of toxicity: Acute
 Effect tested: LD50
 Route of exposure: Oral
 Value: 2,995 mg/kg
 Species: Rat
 Comments: N-(3-(trimethoxysilyl)propyl)ethylenediamine:

Other information regarding health hazards

| | |
|---|--|
| Skin corrosion / irritation test result | Comments: Not classified based on available information. |
| Eye damage or irritation, test results | Comments: Not classified based on available information. |
| Skin sensitisation, other information | May cause an allergic skin reaction |
| Assessment of respiratory sensitisation, classification | Not classified based on available information |
| Assessment of carcinogenicity, classification | Not classified based on available information |
| Assessment of reproductive toxicity, classification | Not classified based on available information |
| Comparison of CMR categories | Not classified based on available information |
| STOT-single exposure, test results | Comments: Not classified based on available information |
| Specific target organ toxicity - RE, test results | Comments: Not classified based on available information |
| Assessment of aspiration hazard, classification | Not classified based on available information |

SECTION 12: Ecological information

12.1. Toxicity

Ecotoxicity No data available

12.2. Persistence and degradability

Persistence and degradability description No data available

12.3. Bioaccumulative potential

| | |
|---------------------------|-------------------|
| Bioaccumulative potential | No data available |
|---------------------------|-------------------|

12.4. Mobility in soil

| | |
|----------|-------------------|
| Mobility | No data available |
|----------|-------------------|

12.5. Results of PBT and vPvB assessment

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|------------------------|---|
| PBT assessment results | This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher |
|------------------------|---|

| | |
|-------------------------|---|
| vPvB evaluation results | This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher |
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12.6. Other adverse effects

| | |
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| Additional ecological information | An environmental hazard cannot be excluded in the event of unprofessional handling or disposal. Harmful to aquatic life with long lasting effects. |
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SECTION 13: Disposal considerations

13.1. Waste treatment methods

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| Specify the appropriate methods of disposal | <p>Product: The generation of waste should be avoided or minimized wherever possible.</p> <p>Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe way.</p> <p>Dispose of surplus and non-recyclable products via a licensed waste disposal contractor.</p> <p>Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements.</p> <p>Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Contaminated packaging: 15 01 10* packaging containing residues of or contaminated by dangerous substances</p> |
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SECTION 14: Transport information

14.1. UN number

| | |
|----------|-----------------------------------|
| Comments | Not regulated as a dangerous good |
|----------|-----------------------------------|

14.2. UN proper shipping name

Comments Not regulated as a dangerous good

14.3. Transport hazard class(es)

Comments Not regulated as a dangerous good

14.4. Packing group

Comments Not regulated as a dangerous good

14.5. Environmental hazards

Comments Not regulated as a dangerous good

14.6. Special precautions for user

Special safety precautions for user No data available

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

Ship type required Not applicable

SECTION 15: Regulatory information

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

Restriction of chemicals according to Annex XVII (REACH) Prohibition/Restriction
 REACH - Candidate List of Substances of Very High Concern for Authorisation (Article 59).
 : None of the components are listed
 (=> 0.1 %).
 REACH - List of substances subject to authorisation (Annex XIV)
 : Not applicable
 REACH - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, preparations and articles (Annex XVII)
 : Conditions of restriction for the following entries should be considered:
 1,2-Benzenedicarboxylic acid, di-C9-11-branched alkyl esters, C10-rich (52)
 REACH Information: All substances contained in our Products are
 - preregistered or registered by our upstream suppliers, and/or
 - preregistered or registered by us, and/or
 - excluded from the regulation, and/or
 - exempted from the registration.

Other labelling requirements Seveso III: Directive 2012/18/EU of the European Parliament and of the Council on the control of major-accident hazards involving dangerous substances.
 Not applicable

VOC VOC restriction, comments: VOC-CH (VOCV) : < 0,01 %

| | |
|----------|--|
| | no VOC duties VOC-EU (solvent) : < 0,01 % |
| Comments | If other regulatory information applies that is not already provided elsewhere in the Safety Data Sheet, then it is described in this subsection. Health, safety and environmental regulation/legislation specific for the substance or mixture: Environmental Protection Act 1990 & Subsidiary Regulations Health and Safety at Work Act 1974 & Subsidiary Regulations Control of Substances Hazardous to Health Regulations (COSHH) May be subject to the Control of Major Accident Hazards Regulations (COMAH), and amendments. |

15.2. Chemical safety assessment

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| Chemical safety assessment | No Chemical Safety Assessment has been carried out for this mixture by the supplier. |
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SECTION 16: Other information

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| List of relevant H-phrases (Section 2 and 3) | H226 Flammable liquid and vapour. H317 May cause an allergic skin reaction. H318 Causes serious eye damage. H332 Harmful if inhaled. H373 May cause damage to organs through prolonged or repeated exposure H400 Very toxic to aquatic life. H410 Very toxic to aquatic life with long lasting effects. H412 Harmful to aquatic life with long lasting effects. |
| Version | 1 |
| Comments | The information contained in this Safety Data Sheet corresponds to our level of knowledge at the time of publication. All warranties are excluded. Our most current General Sales Conditions shall apply. Please consult the product data sheet prior to any use and processing. |