

# Material Safety Data Sheet

Completed 08-07-2021  
Revision: (date) -  
SDS version 1.0

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

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### 1.1. Product Identifier

Trade Name: LetFix Universal, NormalFix, CombiFix, CombiQuickFix, ProFix, LetFix, LetFix less dust, Conlit Pladeklæber, FlexFix, FineFuge - CeraFill 5, IndustryFuge - CeraFill 18, UniversalFuge - CeraFill 10, SpecialFuge Grå - 20 kg

Product- no.: -

UFI: LetFix Universal: 2020-204C-D002-21EP  
NormalFix: AV00-G056-D00M-FKUU  
CombiFix: 2Y00-Y0UK-Q003-3XEW  
CombiQuickFix: M110-G0J0-000M-S90Y  
ProFix: NS00-Y0FT-3004-S88S  
LetFix: 9520-20H5-0001-DQKT  
LetFix less dust: G600-E0N0-X00N-5V6A  
Conlit Pladeklæber: 9520-20H5-0001-DQKT  
FlexFix: 1740-702P-A00W-8WKC  
FineFuge - CeraFill 5: X800-X0AE-8005-T6SD  
IndustryFuge - CeraFill 18: WH30-50JG-V00Y-Y5WU  
UniversalFuge - CeraFill 10: DC00-F00T-J00N-GJCF  
SpecialFuge Grå - 20 kg: R410-007D-A003-FMM1

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

**Recommended uses:**

Dry mortar.

**Uses advised against:**

This product must not be used for purposes other than those recommended without first seeking the advice of the supplier.

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

**Company and address:**

Alfix A/S  
H.C. Ørsteds Vej 11-13  
DK-6000 Kolding  
Denmark  
+45 75 52 90 11

**Contact person and E-mail:**

Frank Pingel, fp@alfix.dk

**The Safety data sheet is completed and validated by:**

Mediator A/S, Centervej 2, DK-6000 Kolding. Consultant: KN

### 1.4. Emergency telephone number

NHS: 111

Use your national or local emergency number - See section 4 "First aid measures".

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## SECTION 2: Hazards identification

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### 2.1. Classification of the substance or mixture

CLP (1272/2008):  
Skin Irrit. 2;H315  
Eye Dam. 1;H318  
STOT SE 3;H335

See full text of H-phrases in section 16.

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## 2.2. Label elements



### Signal word:

Danger

Causes skin irritation. (H315)

Causes serious eye damage. (H318)

May cause respiratory irritation. (H335)

If medical advice is needed, have product container or label at hand. (P101)

Keep out of reach of children. (P102)

Wear protective gloves/protective clothing/eye protection/face protection. (P280)

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER/doctor. (P305 + P351 + P338 + P310)

Dispose of contents/container in accordance with local regulation. (P501)

## 2.3. Other hazards

The product contains chromate-reducing substances, whereby the content of water-soluble chromium (VI) is less than 0.0002%. However, in the event of incorrect storage (moisture penetration) or overlay, the chromate-reducing substance contained may lose its effect prematurely and a sensitizing effect of the cement / binder may occur upon skin contact (H317 or EUH203).

### Additional labelling:

-

### Additional warnings

-

## SECTION 3: Composition/information on ingredients

### 3.1/3.2. Substances/Mixtures

Substance	EU-Index no. / REACH-Reg. no.	CAS-no.	EINECS-no.	CLP-classification	Wt/Wt %	Note
Quartz	- / -	14808-60-7	238-878-4	-	20-70	-
Cement, portland, chemicals	- / -	65997-15-1	266-043-4	Skin Irrit. 2;H315, Eye Dam. 1;H318, STOT SE 3;H335	20-50	-
Calcium carbonate	- / -	471-34-1	207-439-9	-	1-30	-
Calcium Magnesium	- / -	16389-88-1	240-440-2	-	1-30	-
Calcium formiate	- / -	544-17-2	208-863-7	Eye Dam. 1;H318	0,5-1,5	-

See full text of H-phrases in section 16.

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

#### Inhalation:

In case of discomfort: Seek fresh air.

Keep victim under observation.

Seek medical advice in case of breathing difficulties.

#### Ingestion:

Wash out mouth thoroughly and drink 1-2 glasses of water in small sips.

Seek medical advice in case of discomfort.

#### Skin contact:

Remove contaminated clothing.

Wash the skin thoroughly with water and continue washing for a long time.

Seek medical advice in case of discomfort.

#### Eye contact:

Open eye wide, remove any contact lenses and flush immediately with water (preferably using eye wash equipment). Seek medical advice immediately. Continue flushing until medical attention is obtained.

#### Additional information:

When obtaining medical advice, show the safety data sheet or label.

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

Irritation effects: This product contains substances which cause irritation to skin and eyes, or when inhaled. Contact with locally irritative substances can cause the area of contact to be more prone to absorb damaging substances such as allergens.  
Causes serious eye damage.

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

Show this safety data sheet to the doctor in attendance.

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## SECTION 5: Firefighting measures

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### 5.1. Extinguishing media

Surrounding fire:

Extinguish with powder, foam, carbon dioxide or water mist.

Do not use water stream, as it may spread the fire.

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

The product is not directly flammable. Avoid inhalation of vapour and fumes – seek fresh air.

Hazardous fumes are formed in fire conditions.

### 5.3. Advice for firefighters

If there is a risk of exposure to vapour and flue gases, a self-contained breathing apparatus must be worn.

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## SECTION 6: Accidental release measures

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

See section 8 for type of protective equipment.

Avoid breathing and contact with skin and eyes.

### 6.2. Environmental precautions

Avoid unnecessary release to the environment.

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

Do not sweep – use vacuum cleaner to collect spillage.

Pick up mechanically.

### 6.4. Reference to other sections

See section 8 for type of protective equipment.

See section 13 for instructions on disposal.

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## SECTION 7: Handling and storage

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### 7.1. Precautions for safe handling

See section 8 for information about precautions for use and personal protective equipment.

Use the product under well-ventilated conditions.

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

The product should be stored safely, out of reach of children and away from food, animal feeding stuffs, medicines, etc.

Keep in tightly closed original packaging.

Store in a well-ventilated area.

### 7.3. Specific end use(s)

See application section 1.

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## SECTION 8: Exposure controls/personal protection

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### 8.1. Control parameters

Occupational exposure limits according to EH40/2005 Workplace exposure limits (Fourth Edition 2020):

Substance	Long-term exposure limit ppm / mg/m <sup>3</sup>	Short-term exposure limit ppm / mg/m <sup>3</sup>	Note
Silica, amorphous			
- Inhalable dust	- / 6	-/-	-
- Respirable dust	- / 2.4	-/-	

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## DNEL/PNEC-values:

### DNEL Calcium carbonate

Inhalation - Chronic Local  
Oral - Chronic Systemic  
Oral - Acute Systemic

**Workers**  
6.36 mg/m<sup>3</sup>  
-  
-

**Consumers**  
1,06 mg/m<sup>3</sup>  
6.1 mg/kg bw/day  
6.1 mg/kg bw/day

### DNEL Calcium formiate

Inhalation - Chronic Systemic  
Inhalation - Acute Systemic  
Dermal - Chronic Systemic  
Dermal - Acute Systemic  
Dermal - Chronic Local  
Dermal - Acute Local  
Oral - Chronic Systemic  
Oral - Acute Systemic

**Workers**  
337 mg/m<sup>3</sup>  
337 mg/m<sup>3</sup>  
4780 mg/kg bw/day  
4780 mg/kg bw/day  
16.7 mg/cm<sup>2</sup>  
16.7 mg/cm<sup>2</sup>  
-  
-

**Consumers**  
83.2 mg/m<sup>3</sup>  
83.2 mg/m<sup>3</sup>  
2390 mg/kg bw/day  
2390 mg/kg bw/day  
8.3 mg/cm<sup>2</sup>  
8.3 mg/cm<sup>2</sup>  
23.9 mg/kg bw/day  
23.9 mg/kg bw/day

### PNEC Calcium formiate

Fresh water 2 mg/L  
Intermittent releases (Fresh water) 10 mg/L  
Marine water 0.2 mg/L  
Intermittent releases (Marine water) 1,5 mg/kg soil dw  
Soil 1.5 mg/kg soil dw

## 8.2. Exposure controls

There are no exposure scenarios for this product.

### **Appropriate engineering controls:**

Wear the personal protective equipment specified below.  
Wash hands before breaks, before using restroom facilities, and at the end of work.  
Do not eat, drink or smoke when using this product.

### **Personal protective equipment:**



### **Respiratory protection:**

In case of insufficient ventilation, wear respiratory protective equipment with filter P2.

### **Hand protection:**

Wear protective gloves made of nitrile rubber.

### **Eye/face protection:**

Wear safety goggles/face protection.

### **Skin protection:**

Special work clothing should be used.

### **Environmental exposure controls:**

Ensure compliance with local regulations for emissions.

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## SECTION 9: Physical and chemical properties

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

Physical state:	Powder
Colour:	-
Odour:	-
Melting point/ Freezing Point (°C):	-
Boiling point or initial boiling point and boiling range (°C):	-
Flammability:	-
Lower and upper explosion limit (vol-%):	-
Flash point (°C):	-
Auto-ignition temperature (°C):	-
Decomposition temperature (°C):	-
pH:	11-12.5 (mixed cement)
Kinematic viscosity (mm <sup>2</sup> /s):	-
Solubility:	-
Partition coefficient n-octanol/water (log value)	-
Vapour pressure:	-
Density and/or relative density:	-
Relative vapour density:	-
Particle characteristics:	-

### 9.2. Other information

None.

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## SECTION 10: Stability and reactivity

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### 10.1. Reactivity

No data.

### 10.2. Chemical stability

The product is stable when used in accordance with the supplier's directions.

### 10.3. Possibility of hazardous reactions

None known.

### 10.4. Conditions to avoid

None known.

### 10.5. Incompatible materials

None known.

### 10.6. Hazardous decomposition products

No special precautions regarding contact with other materials at the recommended storage conditions.

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## SECTION 11: Toxicological information

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

#### Acute toxicity:

Based on the existing data, the classification is not met.

Substance	exposure	Species	Test	Result
Calcium carbonate	Oral	Rat	LD50	> 2000 mg/kg bw
Calcium carbonate	Inhalation	Rat	LC50/ 4 Hours	> 3 mg/L air (analytical)
Calcium carbonate	Dermal	Rat	LD50	> 2000 mg/kg bw
Calcium formiate	Inhalation	Rat	LC50/ 4 Hours	> 0.67 mg/L air
Calcium formiate	Dermal	Rat	LD50	> 2000 mg/kg bw

#### Skin corrosion/irritation:

Irritating to skin – may cause reddening.

#### Serious eye damage/irritation:

Causes serious eye damage.

#### Respiratory or skin sensitisation:

Based on the existing data, the classification is not met.

#### Germ cell mutagenicity:

Based on the existing data, the classification is not met.

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**Carcinogenicity:**

Based on the existing data, the classification is not met.

**Reproductive toxicity:**

Based on the existing data, the classification is not met.

**STOT-single exposure:**

Inhalation of dust may cause irritation to the upper airways.

**STOT-repeated exposure:**

Based on the existing data, the classification is not met.

**Aspiration hazard:**

Based on the existing data, the classification is not met.

**11.2. Information on other hazards**

Test data are not available.

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**SECTION 12: Ecological information**

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**12.1. Toxicity**

Substance	Test duration	Species	Test	Result
Calcium carbonate	72 Hours	Algae	EC50	> 14 mg/L
Calcium formiate	48 Hours	Daphnia	LC50	> 1000 mg/L
Calcium formiate	72 Hours	Algae	EC50	570 mg/L

**12.2. Persistence and degradability**

Substance	Biodegradability	Test	Result
Calcium carbonate	Yes	OECD Guideline 301 B	28 Days 90%
Calcium formiate	Yes	OECD Guideline 306	28 Days 86%

**12.3. Bioaccumulative potential**

Substance	Potential bioaccumulation	LogPow
Calcium formiate	No	-1.9 - -2.3

**12.4. Mobility in soil**

Test data are not available.

**12.5. Results of PBT and vPvB assessment**

The product does not meet the criteria for PBT or vPvB.

**12.6. Endocrine disrupting properties**

Test data are not available.

**12.7. Other adverse effects**

None.

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**SECTION 13: Disposal considerations**

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**13.1. Waste treatment methods**

The product is covered by the regulations on dangerous waste.

EWC-Code	Description
16 05 07	Discarded inorganic chemicals consisting of or containing hazardous substances

**Specific labelling:**

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**Contaminated packaging:**

Empty packaging and residues must be disposed of through the municipal waste collection service for hazardous waste.

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**SECTION 14: Transport information**

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The product is not covered by the rules for transport of dangerous goods by road and sea according to ADR and IMDG.

**14.1 -14.4.****ADR**

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**IMDG**

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**14.5. Environmental hazards**

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**14.6. Special precautions for user**

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**14.7. Maritime transport in bulk according to IMO instruments**

Not relevant.

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**SECTION 15: Regulatory information**

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

EH40/2005 Workplace exposure limits (Fourth Edition 2020).

**Additional labelling:****Restrictions for application:**

Special care should be applied for employees under the age of 18. Young people under the age of 18 may not carry out any work causing harmful exposure to this product. Young people above 15 years are exempted this rule, if the product is a part of an education/training.

**Demands for specific education:**

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**15.2. Chemical safety assessment**

None.

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**SECTION 16: Other information**

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According to EU regulation 1907/2006 (REACH)

**Other information:****Sources:**

EC regulation 1907/2006 (REACH), with amendments.

EC Regulation 1272/2008 (CLP), with amendments.

EU regulation no. 276/2010

Directive 2000/532/EC

ECHA - The European Chemicals Agency

**Full text of H-phrases as mentioned in section 2+3:**

H315 Causes skin irritation.

H318 Causes serious eye damage.

H335 May cause respiratory irritation.

**Classification according to Regulation (EC) Nr. 1272/2008:**

Skin Irrit. 2;H315 Calculation method

Eye Dam. 1;H318 Calculation method

STOT SE 3;H335 Calculation method

# Material Safety Data Sheet

## **Abbreviations and acronyms used in the safety data sheet:**

REACH: Registration, Evaluation, Authorisation and Restriction of Chemicals. Regulation (EC) No 1907/2006.

CLP: Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008.

CAS-Number.: Chemical Abstracts Service number.

EC-Number.: EINECS and ELINCS Number (see also EINECS and ELINCS).

DNEL: Derived No Effect Level.

PNEC(s): Predicted No Effect Concentration(s).

STOT: Specific Target Organ Toxicity.

LD50: Lethal Dose to 50% of a test population (Median Lethal Dose).

LC50: Lethal Concentration to 50 % of a test population.

EC50: The effective concentration of substance that causes 50% of the maximum response.

PBT: Persistent, Bioaccumulative and Toxic.

vPvB: Very Persistent and Very Bioaccumulative.

NOEC: The highest tested concentration at which, in a study, no statistically significant effect is observed in the exposed population compared with an appropriate control group.

NOAEL: The highest tested dose or exposure level at which there are no statistically significant increases in the frequency or severity of adverse effects between the exposed population and an appropriate control group; some effects may be produced at this level, but they are not considered adverse or precursors of adverse effects.

## **Other:**

The information in this safety data sheet applies only to this specific product (mentioned in section 1) and is not necessarily correct for use with other chemicals/products.

## **Minor changes have been made in following sections:**

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## **This material safety data sheet replaces version:**

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