

# CaberFix Joint & Joist®

## Product Safety Data Sheet

Health and Safety Data - Version 4.3

Product Code: CaberFix Joint & Joist®

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

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#### 1.1. Product identifier

Trade name:

Norbord CaberFix Joint & Joist

#### 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

**Application:** Adhesive

**Company:**

Norbord Europe Ltd.

Station Road

Cowie, Stirling

Scotland

FK7 7BQ

Tel: (+44)(0)1786 812 921

#### 1.4. Emergency telephone number

Tel: (+44)(0)1786 812 921

Office hours. Ask for Health & Safety or Technical Manager.

### 2 Hazards identification

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#### 2.1 Classification of the substance or mixture

Type of product: Mixture

#### **Classification (REGULATION (EC) No 1272/2008)**

Eye irritation, Category 2

H319: Causes serious eye irritation.

Skin sensitisation, Category 1

H317: May cause an allergic skin reaction.

#### 2.2 Label elements

**Labelling (REGULATION (EC) No 1272/2008)**

**Hazard Pictogram**



**Signal word:** Warning

**Hazard statements:**

H317 May cause an allergic skin reaction.

H319 Causes serious eye irritation.

**Precautionary statements:**

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

P102 Keep out of reach of children

#### **Prevention**

P261 Avoid breathing dust/ fume/ gas/ mist/ vapours/spray.

P280 Wear protective gloves/ eye protection/ face protection.

#### **Response**

**P302 + P352** IF ON SKIN: Wash with plenty of water

#### **Disposal**

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

Hazardous components which must be listed on the label:

217-164-6 N-(3-(trimethoxysilyl)propyl)ethylenediamine

Pentamethyl piperidylsebacate

#### 2.3. 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.

### 3 Composition/information on ingredients

#### 3.2. Mixtures

Chemical name CAS-No. EC-No. Registration number	Classification (REGULATION (EC) No 1272/2008)	Concentration [%]
trimethoxyvinylsilane 2768-02-7 220-449-8 01-2119513215-52-XXXX Contains: tetramethyl orthosilicate <= 0,2 %	Flam. Liq.3; H226 Acute Tox.4; H332 STOT RE2; H373	>= 1 - < 2,5
N-(3-(trimethoxysilyl)propyl)ethylenediamine 1760-24-3 217-164-6 01-2119970215-39-XXXX Contains: 1,2-Ethanediamine, N,N-bis[3-(trimethoxysilyl)propyl]- >= 5 - <= 10 % N,N'-bis[3-(trimethoxysilyl)propyl]ethylenediamine >= 5 - <= 10 %	Acute Tox.4; H332 Eye Dam.1; H318 Skin Sens.1; H317	>= 1 - < 2,5
Pentamethyl piperidylsebacate 915-687-0 01-2119491304-40-XXXX Contains: bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate	Skin Sens.1A; H317 Aquatic Acute1; H400 Aquatic Chronic1; H410	< 0,25

For the full text of the H-Statements mentioned in this Section, see Section 16.

#### 4 First Aid Measures

##### 4.1. Description of first aid measures

**General advice:** Move out of dangerous area.  
Consult a physician.  
Show this safety data sheet to the doctor in attendance.  
**If inhaled:** Move to fresh air.  
Consult a physician after significant exposure.  
**In case of skin contact:** Take off contaminated clothing and shoes immediately.  
Wash off with soap and plenty of water.  
If symptoms persist, call a physician.  
**In case of eye contact:** Immediately flush eye(s) with plenty of water.  
Remove contact lenses.  
Keep eye wide open while rinsing.  
If eye irritation persists, consult a specialist.  
**If swallowed:** 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

**Symptoms:** Allergic reactions. Excessive lachrymation  
See Section 11 for more detailed information on health effects and symptoms.  
**Risks:** irritant effects sensitising effects May cause an allergic skin reaction. Causes serious eye irritation.

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

**Specific treatments** Treat symptomatically.

#### 5 Firefighting measures

##### 5.1. Extinguishing media

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

##### 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.  
**Further information:** Standard procedure for chemical fires.

#### 6 Accidental release measures

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

**Personal precautions:** Use personal protective equipment. Deny access to unprotected persons.

##### 6.2. Environmental precautions

**Environmental precautions** Do not flush into surface water or sanitary sewer system.

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

**Methods for cleaning 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

For personal protection see section 8.

## 7 Handling and Storage

### 7.1. Precautions for safe handling

**Advice on safe handling:** 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.

**Advice on protection against fire and explosion:** Normal measures for preventive fire protection.

**Hygiene measures:** 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

**Requirements for storage areas and containers:** Keep container tightly closed in a dry and well-ventilated place. Store in accordance with local regulations.

**Other data:** No decomposition if stored and applied as directed.

### 7.3. Specific end use(s)

**Specific end use(s)** No data available.

## 8 Exposure Controls/personal protection

### 8.1. Control parameters

Contains no substances with occupational exposure limit values.

### Occupational exposure limits

Components	CAS-no	Value	Control parameters	Basis*
methanol	67-56-1	TWA	200 ppm 266 mg/m <sup>3</sup>	GB EH40
		STEL	250 ppm 333 mg/m <sup>3</sup>	GB EH40

\*The above mentioned values are in accordance with the legislation in effect at the date of the release of this safety data sheet.

### 8.2. Exposure controls

#### Protective equipment



#### Personal protective equipment

**Eye protection:** Safety glasses with side-shields

Eye wash bottle with pure water

**Hand protection:** 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.

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.

**Skin and body protection:** 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:** No special measures required.

#### Environmental exposure controls

**General advice:** Do not flush into surface water or sanitary sewer system.

## 9 Physical and Chemical Properties

9.1. Information on basic physical and chemical properties	
Appearance	Paste
Colour	Various
Odour	Very faint
Odour Threshold	No data available
Flash Point	Not applicable
Autoignition temperature	No data available
Decomposition temperature	No data available
Lower explosion limit (Vol-%)	No data available
Upper explosion limit (Vol-%)	No data available
Flammability	No data available
Explosive properties	No data available
Oxidizing properties	No data available
pH	No data available
Melting point/range / Freezing point	No data available
Boiling point/boiling range	No data available
Vapour pressure	0,01 hPa
Density	1 g/cm <sup>3</sup> at 20 °C
<b>Water solubility</b>	No data available

Partition coefficient: n-octanol/water	No data available
Viscosity, dynamic	No data available
Viscosity, kinematic	> 7 mm <sup>2</sup> /s at 40 °C
Relative vapour density	No data available
Evaporation rate	No data available

## 9.2. Other information

Other information	No data available.
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## 10 Stability and reactivity

### 10.1. Reactivity

**Reactivity** No dangerous reaction known under conditions of normal use.

### 10.2. Chemical stability

**Stability** The product is chemically stable.

### 10.3. Possibility of hazardous reactions

**Possibility of hazardous reactions** Stable under recommended storage conditions.

### 10.4. Conditions to avoid

**Conditions to avoid** No data available

### 10.5. Incompatible materials

**Materials to avoid** No data available

### 10.6. Hazardous decomposition products

**Hazardous decomposition products:** No decomposition if stored and applied as directed methanol.

## 11 Toxicological Information

### 11.1. Information on toxicological effects

#### Acute toxicity

Not classified based on available information.

#### Components:

##### trimethoxyvinylsilane:

#### Acute oral toxicity:

LD50 Oral (Rat): ca. 7.120 mg/kg

#### Acute inhalation toxicity:

LC50: ca. 16,8 mg/l

Exposure time: 4 h

Test atmosphere: dust/mist

#### Acute dermal toxicity:

LD50: 3.540 mg/kg

##### N-(3-(trimethoxysilyl)propyl)ethylenediamine:

**Acute oral toxicity:** LD50 Oral (Rat): 2.400 mg/kg

#### Acute inhalation toxicity:

LC50: 1,49 mg/l

Exposure time: 4 h

Test atmosphere: dust/mist

#### Acute dermal toxicity:

LD50: >2.000 mg/kg

##### Pentamethyl piperidylsebacate:

**Acute oral toxicity:** LD50 Oral (Rat): 3.230 mg/kg

**Skin corrosion/irritation:** Not classified based on available information.

**Serious eye damage/eye irritation:** Causes serious eye irritation.

**Respiratory or skin sensitisation:** Skin sensitisation: May cause an allergic skin reaction.

**Respiratory sensitisation:** 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 toxicity:** Not classified based on available information.

## 12 Ecological Information

### 12.1. Toxicity

#### Components

**Toxicity to - fish** LC50: 0,97 mg/l, 96 h, Fish

### 12.2. Persistence and degradability

**Persistence and degradability** 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

#### Product:

**Assessment** 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.

### 12.6. Other adverse effects

#### Product:

**Other adverse effects** There is no data available for this product.

## 13 Disposal considerations

### 13.1. Waste treatment methods

**Product:** The generation of waste should be avoided or minimized wherever possible.

Empty containers or liners may retain some product residues.

This material and its container must be disposed of in a safe way.

Dispose of surplus and non-recyclable products via a licensed waste disposal contractor.

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.

Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

**Contaminated packaging:** 15 01 10\* packaging containing residues.

**14 Transport information**

**ADR**

Not dangerous goods

**IATA**

Not dangerous goods

**IMDG**

Not dangerous goods

**14.6. Special precautions for user**

No data available.

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

Not applicable.

**15 Regulatory information**

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

**[section 16 continued]**

**STOT RE** Specific target organ toxicity - repeated exposure

**ADR** Accord européen relatif au transport international des marchandises dangereuses par Route

**CAS** Chemical Abstracts Service

**DNEL** Derived no-effect level

**EC50** Half maximal effective concentration

**GHS** Globally Harmonized System

**IATA** International Air Transport Association

**IMDG** International Maritime Code for Dangerous Goods

**LD50** Median lethal dosis (the amount of a material, given all at once, which causes the death of 50% (one half) of a group of test animals)

**LC50** Median lethal concentration (concentrations of the chemical in air that kills 50% of the test animals during the observation period)

**MARPOL** International Convention for the Prevention of Pollution from Ships, 1973 as modified by the Protocol of 1978

Prohibition	Restriction
REACH - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, preparations and articles (Annex XVII)	Banned and/or restricted (1,2-Benzenedicarboxylic acid, di-C9-11-branched alkyl esters, C10-rich)
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 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.
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-CH (VOCV)	no VOC duties
VOC-EU (solvent)	Not applicable
<i>If other regulatory information applies that is not already provided elsewhere in the Safety Data Sheet, then it is described in this subsection.</i>	
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**

This product contains substances for which Chemical Safety Assessments are still required.

**16 Other information**

**Full text of H-Statements**

**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.

Full text of other abbreviations

**Acute Tox.** Acute toxicity

**Aquatic Acute** Acute aquatic toxicity

**Aquatic Chronic** Chronic aquatic toxicity

**Eye Dam.** Serious eye damage

**Flam. Liq.** Flammable liquids

**Skin Sens.** Skin sensitisation

**OEL** Occupational Exposure Limit

**PBT** Persistent, bioaccumulative and toxic

**PNEC** Predicted no effect concentration

**REACH** Regulation (EC) No 1907/2006 of the European Parliament and of the council of 18 December 2006 concerning the Registration, Evaluation, authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency

**SVHC** Substances of Very High Concern

**vPvB** Very persistent and very bioaccumulative

**Store between** Store between 5°C - 25°C

**Contains SVHC** NO

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.

Changes as compared to previous version.