



# MATERIAL SAFETY DATA SHEET



## Weber.floor 4710N

### Epoxy primer – Komponent A

Published: 28.12.2010

English version: 12.10.2015

## 1. Identification of the substance/preparation and the company/undertaking

Published date	28.12.2010
Revised date	25.09.2014
Translated date	12.10.2015

### 1.1 Product identification

Trade name	Weber.floor 4710N Epoxy primer – Komponent A
PR-NR.	92624
NOBB-nr.	30146732a

### 1.2 Application of the substance / the preparation

Product Type	Epoxy binder
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### 1.3 Manufacturer/Supplier:

Supplier	Weber – Saint-Gobain Byggevarer as
Address	Postboks 216 Alnabru 0614 OSLO – Norway
Phone	+47 22 88 77 00
Fax	+47 22 64 54 54
e-mail	<a href="mailto:teknisk@weber-norge.no">teknisk@weber-norge.no</a>
Web page	<a href="http://www.weber-norge.no">www.weber-norge.no</a>
Org. No (VAT)	NO 940 198 178
Contact person	Line Holaker

### 1.4 Information in case of emergency

POISON CONTROL	+47 22 59 13 00 (Norway)
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## 2. Hazards identification

### 2.1 Classification of the substance / preparation

Classification according to CLP (EC) No 1272 [CLP/GHS]	Skin sens. 1; EUH 205, H315, H317 Aquatic Chronic 2; H411 Eye Irrit. 2; H319
Classification according to 67/548/EEC or 1999/45/EC	R36/38, R43, R51/53

### 2.2 Hazard labelling

CLP	
	2,2-Bis (4-(glycidylloxy)phenyl)propane: 60 - 100 %, Formaldehyde, oligomer Reaction product with 1-cloro-2,3-epoxypropane and phenol: 13 - 30 %, Oxiran, mono[(C12-14-alkyloksy)methyl]derivate: 7 - 13 %
Signal word	Attention
H phrases	EUH 205 Contains epoxy constituents. May produce an allergic reaction H315 Causes skin irritation H317 May cause an allergic skin reaction H319 Causes serious eye irritation H411 Toxic to aquatic life with long lasting effects
P phrases	P280 Wear protective gloves/protective clothing/eye protection/face protection.

	<p>P273 Avoid release to the environment  P302+P352 IF ON SKIN: Wash with plenty of soap and water  P333+P313 If skin irritation or rash occurs: Get medical advice/ attention  P363 Wash contaminated clothing before reuse  P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing  P337+P313 If eye irritation persists: Get medical advice/attention.  P391 Collect spillage</p>		
	Irritant		Dangerous for the environment
<b>R phrases</b>	R 36/38 Irritating to eyes and skin R43 May cause sensitisation by skin contact. R51/53 Toxic to aquatic organisms may cause long-term adverse effects in the aquatic environment		
<b>S phrases</b>	S 24 Avoid contact with skin S 26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice S 28 After contact with skin, wash immediately with plenty of water and soap S 36/37/39 Wear suitable protective clothing, gloves and eye/face protection S 61 - Avoid release to the environment. Refer to special instructions/safety data sheet		

Contains epoxy constituents. Epoxy allergies are troublesome as it is difficult to avoid epoxy products.

### Fire and explosion

The product is combustible, but not inflammable. Dangerous decomposition products form due to heating or fire.

## 3. Composition/information on ingredients

No	Dangerous Components	Identification number	Cons. (weight%)	Classification
1	2,2-Bis (4-(glycidyoxy)phenyl)propane	CAS-no: 25068-38-6 Reg. no 01-2119456619-26	60-100%	Xi,N; R36/38,R43,R51/53 Aquatic Chronic 2;H411 Skin Sens. 1;H317 Eye Irrit. 2;H319 Skin Irrit. 2;H315
2	Formaldehyde, oligomer reaction product with 1-cloro-2,3-epoxy propane and phenol	CAS no: 9003-36-5	13-30%	Xi,N; R36/38,R43,R51/53 Aquatic Chronic 2;H411 Skin Sens. 1;H317 Eye Irrit. 2;H319 Skin Irrit. 2;H315
3	Oxiran, mono [(C12-14-alkyloxy)metyl]derivate	CAS-nr.: 68609-97-2 EC-nr.: 271-846-8 Index no.: 603-103-00-4	7-13%	R43 Xi; R38 Skin Irrit. 2; H315 Skin Sens. 1; H317

CAS-no = Chemical Abstracts Service; EU (Einecs- or Elincsnr) = European inventory of Existing Commercial Chemical Substances. T+ = Very toxic, T = Toxic, C = Corrosive, Xn = Harmful, Xi = Irritating, E = Explosive, O = Oxidizing, F+ = Extremely flammable, F = Very flammable, N = Environmental hazard. Additional information: For the wording of the listed risk phrases refer to section 16

Comments: **The product is a part of a 2-component product**

### 4. First aid measures □

<b>General information</b>	Remove the victim immediately from the danger area. Keep the patient calm, supply warmth and fresh air. Remove any clothing soiled by the product. If the patient is unwell, consult a doctor and present this data sheet. If the patient is unconscious, but breathes, reassure free air ways and put the patient in stable lateral position. Give mouth to mouth resuscitation when the patient does not breathe. Show this MSDS to the doctor.
<b>After inhalation</b>	Supply fresh air; consult doctor in case of complaints.
<b>After skin contact</b>	Remove any clothing and other objects soiled by the product. Immediately wash skin with water and soap for several minutes and rinse thoroughly. If skin irritation continues, consult a doctor.
<b>After eye contact</b>	Immediately rinse the open eye with running, lukewarm water for at least 15 minutes. Keep the eye lids well apart. Remove contact lenses. Consult a doctor.
<b>After swallowing</b>	Do not induce vomiting. If the patient is fully conscious, give 1-2 glasses of water or preferably milk. Give active carbon (20-40 grams i 10% alluvion with water). Do not give the patient anything by mouth if not fully conscious. Send immediately to hospital, present this datasheet.
<b>Medical information</b>	Health control: Identify persons with epoxy allergies, eczema, skin irritations or those who in other ways belong to risk groups who should not be exposed to epoxy products. Discover health damage at an early stage. Employees who will be exposed to epoxy product, should be examined by a doctor before they start. The company should keep a diary of cases of illnesses witch may be caused by influence of epoxy.

### 5. Fire fighting measures □

<b>Suitable extinguishing agents</b>	CO2, powder or water spray. Fight larger fires with water spray or alcohol resistant foam
<b>Unsuitable extinguishing agents</b>	Do not use water with full jet, which make spreading of fire possible.
<b>Fire and explosion hazards</b>	The product is combustible, but not inflammable. Burning causes evil-smelling and toxic smoke. Forms carbon oxides
<b>Protective equipment</b>	Generally: Evacuate all personnel, put on protective equipment for fire. Use self-contained respiratory protective device
<b>Additional information</b>	Fire /warmth exposed containers should be cooled with water or covered by e.g. carbon dioxide, or removed if that is without risk for the personnel. The fire should be fought from the best shielded.

### 6. Accidental release measures □

<b>Person-related safety precautions</b>	Wear protective equipment, Keep unprotected persons away. Be aware of the capacity to cause allergies. Shield the working area. Avoid contact with the product. No smoking
<b>Measures for protecting the environment</b>	Restrain with sand, soil or similar, and collect in intended container in accordance with national regulations. The product must not get into water courses, sewage or the environment in general.
<b>Measures for cleaning/collecting</b>	Stop leakage if possible without risk. Spilled material absorbs in an inert, non-combustible material. Small amounts are dried up with cloth/paper towel. Collected material is stored on sealed, marked containers and is treated according to Section 13, Disposal Considerations.

### 7. Handling and storage □

<b>Special properties and hazards</b>	Can cause allergies from skin contact. Contains epoxy components.
<b>Information for safe handling</b>	Use in good ventilated places. Avoid spilling, skin and eye contact. Avoid all skin contact with products containing epoxy, they cause allergies. Use personal protection gear according to Section 8. Persons who handle the product should be instructed on the products characteristics and Material Safety Data Sheet familiar with working methods to avoid health risks. Instructions should be posted on the work place. Follow instructions concerning ratio between base and hardener strictly. To avoid spilling on floor of other surfaces, cover these with paper or similar. Empty containers can contain residue of the product and should be handled with care.
<b>Storage</b>	Store in cool, dry storage with good ventilation. Store only in unopened, original receptacles. Do not store with acids or other substances the product may react with (see under reactivity). Protect from heat and direct sunlight Storage temperature: 2-40°C

### 8. Exposure controls and personal protection □

#### 8.1 Control parameters

DNEL/PNEC

Test method	Content
DNEL	Group: Consumer Way of exposure : Dermal Exposure frequency: Long term (repeated) Type effect: Local effect Value: 1 mg/cm <sup>2</sup> Comment: glycidylether of C12-C14 alcohols
DNEL	Group: Consumer Way of exposure: Breathing Exposure frequency: Long term (repeated) Type effect: Systemic effect Value: 4,1 mg/m <sup>3</sup> Comment: glycidylether of C12-C14 alcohols
DNEL	Group: Consumer Way of exposure : Dermal Exposure frequency: Long term (repeated) Type effect: Systemic effect Value: 2,35 mg/kg Comment: glycidylether of C12-C14 alcohols
DNEL	Group: Consumer Way of exposure: Breathing Exposure frequency: Short term (acute) Type effect: Local effect Value: 2,9 mg/m <sup>3</sup> Comment: glycidylether of C12-C14 alcohols
DNEL	Group: Worker Way of exposure: Dermal Exposure frequency: Short term (acute) Type effect: Systemic effect Value: 17 mg/kg bw/day Comment: glycidylether of C12-C14 alcohols
DNEL	Group: Worker Way of exposure: Breathing

	<p>Exposure frequency: Short term (acute)          Type effect: Systemic effect          Value: 29 mg/m<sup>3</sup>          Comment: glycidylether of C12-C14 alcohols</p>
DNEL	<p>Group: Worker          Way of exposure: Dermal          Exposure frequency: Short term (acute)          Type effect: Local effect          Value: 68 mg/kg          Comment: glycidylether of C12-C14 alcohols</p>
DNEL	<p>Group: Worker          Way of exposure: Breathing          Exposure frequency: Short term (acute)          Type effect: Local effect          Value: 9,8 mg/m<sup>3</sup>          Comment: glycidylether of C12-C14 alcohols</p>
DNEL	<p>Group: Worker          Way of exposure: Dermal          Exposure frequency: Long term (repeated)          Type effect: Systemic effect          Value: 3,9 mg/kg bw/day          Comment: glycidylether of C12-C14 alcohols</p>
DNEL	<p>Group: Worker          Way of exposure: Breathing          Exposure frequency: Long term (repeated)          Type effect: Systemic effect          Value: 13,8 mg/m<sup>3</sup>          Comment: glycidylether of C12-C14 alcohols</p>
DNEL	<p>Group: Worker          Way of exposure: Dermal          Exposure frequency: Long term (repeated)          Type effect: Local effect          Value: 1,7 mg/cm<sup>2</sup>          Comment: glycidylether of C12-C14 alcohols</p>
DNEL	<p>Group: Worker          Way of exposure: Breathing          Exposure frequency: Long term (repeated)          Type effect: Local effect          Value: 0,98 mg/m<sup>3</sup>          Comment: glycidylether of C12-C14 alcohols</p>
DNEL	<p>Group: Consumer          Way of exposure: Dermal          Exposure frequency: Short term (acute)          Type effect: Systemic effect          Value: 10 mg/kg bw/day          Comment: glycidylether of C12-C14 alcohols</p>
DNEL	<p>Group: Consumer          Way of exposure : Breathing          Exposure frequency: Short term (acute)          Type effect: Systemic effect          Value: 7,6 mg/m<sup>3</sup>          Comment: glycidylether of C12-C14 alcohols</p>
DNEL	<p>Group: Consumer          Way of exposure: Oral          Exposure frequency: Short term (acute)          Type effect: Systemic effect          Value: 1219 mg/kg          Comment: glycidylether of C12-C14 alcohols</p>

DNEL	Group: Consumer Way of exposure : Dermal Exposure frequency: Short term (acute) Type effect: Local effect Value: 40 mg/cm <sup>2</sup> Comment: glycidylether of C12-C14 alcohols
DNEL	Group: Consumer Way of exposure: Oral Exposure frequency: Long term (repeated) Type effect: Systemic effect Value: 1 mg/kg bw/day Comment: glycidylether of C12-C14 alcohols
DNEL	Group: Consumer Way of exposure: Breathing Exposure frequency: Long term (repeated) Type effect: Local effect Value: 1,46 mg/m <sup>3</sup> Comment: glycidylether of C12-C14 alcohols



<b>Preventive efforts</b>	Be sure the working place is sufficiently ventilated. Persons bothered with eczema, skin irritation or palm perspiration, should desist from working with epoxy products. Wash hands before breaks and at the end of work. Keep away from food, beverage and feed, when using do not eat or drink. Emergency shower and eye shower should be present on the work place. Skin protecting cream can protect exposed skin.
<b>Respiratory protection</b>	In case of insufficient ventilation, use gas filter A2 (organic gases and dust). Sufficient ventilation must be provided.
<b>Protection of eyes</b>	Use tightly sealed safety goggles or facial shade when risk of squirt or vapour. Goggles must never be put on or removed with protective gloves on, because it may lead to skin contact.
<b>Relevant standards</b>	EN 166
<b>Protection of hands</b>	Protective gloves. The glove material has to be impermeable and resistant to the product/the preparation e.g. Butyl rubber (BTT>480min), BR, Nitrile rubber (10min < BTT < 480 min), NBR, PVC. Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation. The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material cannot be calculated in advance and has therefore to be checked prior to the application. To choose the right glove material, seek advice from the glove manufacturer.
<b>Relevant standards</b>	EN 374
<b>Body protection</b>	Protective work clothing, including pull-ons, apron, loose sleeves, shoe protectors, preferably for nonce-use. Rags etc. which have been in contact with the product must not be put in pockets etc. of work clothes. Polluted clothes must be removed when entering break- or eating area. Work clothes must be changed before leaving the working place.
<b>Other safety measures</b>	Wash hands before eating, smoking or using the toilet, and at the end of each work shift. Emergency shower and eye wash must be available near the working place. Avoid spill to ground and water.

### 9. Physical and chemical properties

<b>Physical state</b>	Liquid
<b>Colour</b>	Clear
<b>Odour</b>	Weak
<b>Solubility</b>	Insoluble in water
<b>Density</b>	Ca. 1130 kg/m <sup>3</sup>
<b>Decomposition temperature</b>	> 200 °C
<b>Flash point</b>	~ 130 °C
<b>Boiling point</b>	> 200 °C
<b>Viscosity</b>	~ 1000 cP
<b>Vapour pressure</b>	< 0,000001 kPa
<b>Relative density</b>	1,13 g/cm <sup>3</sup>

### 10. Stability and reactivity

<b>Stability</b>	The product is stable under normal storage and use. No decomposition products are formed at normal storage and use conditions
<b>Reacts with</b>	Strong oxidising agents. Strong acids. Strong alkalis
<b>Dangerous decomposition products</b>	Strong heating or fire can give products from incomplete combustion, carbon monoxide, carbon dioxide, nitrous gases (NOX)

### 11. Toxicological information

#### Toxicological data

<b>LD50 oral</b>	> 5000 mg/kg Animal used: Rat Comment: Formaldehyde, oligomer reaction product with 1-chloro-2,3-epoxy propane and phenol
<b>LD50 oral</b>	30,1 ml/kg Animal used: Rat Comment: glycidylether of C12-C14 alcohol
<b>LD50 dermal</b>	> 2000 mg/kg Animal used: Rat Comment: Formaldehyde, oligomer reaction product with 1-chloro-2,3-epoxy propane and phenol
<b>LC50 breathing</b>	> 0,15 mg/L Animal used: Rat Duration: 7 timer Comment: glycidylether of C12-C14 alcohol

#### Toxicological information

<b>General</b>	Can give allergies. Epoxy allergies are troublesome, and can be a problem both in work and leisure. Grinding dust can also cause allergies. After mixing of the two components, the product will harden. After hardening, the health risks are considerably reduced.
<b>Inhalation</b>	Mixing components A and B, a fume is formed which can be irritating to sensitive persons
<b>Skin contact</b>	Irritates skin and can cause allergies. Grinding dust can also cause allergies. Sensitization can be seen by redness, blisters and swelling. The product is degreasing/ dehydrating. Repeated exposure may cause skin dryness or cracking
<b>Eye contact</b>	Irritates the eyes. Vapor or squirt can give irritation, redness and stinging
<b>Swallowing</b>	Can give nausea, vomiting and diarrhea
<b>Acute and chronic damage</b>	See Allergies

<b>Allergies</b>	The product contains epoxy which can cause sensitization and allergies
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## 12. Ecological information □

### 12.1 Toxicity

<b>Acute aquatic, fish</b>	1,5 mg/l Test method: OECD 203 Duration: 96h
<b>Acute aquatic, algae</b>	9,4 mg/l Duration: 72h
<b>Acute aquatic, Daphnia</b>	1,7 mg/l Test method: OECD 202 Duration: 48h
<b>Eco toxicity</b>	Toxic to aquatic organisms. May cause long-term adverse effects in the environment

### 12.2. Persistence and degradability

<b>Biological degradability</b>	5 Test period: 28 days Test method: OECD 301F
<b>Comments, Biological degradability</b>	Not easily bio degradable
<b>Persistence and degradability</b>	The product is not easily bio degradable

### 12.3. Potential for bioaccumulation

<b>Potential for bioaccumulation</b>	Can accumulate in soil and water
<b>Bio concentration factor (BFC)</b>	31
<b>Comment</b>	Low BCF potential

### 12.4. Mobility in soil

<b>Mobility</b>	Do not dissolve in water
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### 12.6. Additional information

<b>Additional information</b>	Do not allow product to reach ground water, water course or sewage system
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## 13. Disposal considerations □

<b>General</b>	Small amounts can be mixed with the hardener, thus reacting to a harmless material that can be disposed. Disposes larger amounts as special waste in accordance with local and national regulations. Packaging: All packaging should be emptied and removed in agreement with regulations or sent to recycling without removal of labeling. Packaging with remnants is special waste. Cleaning with special thinner, acetone or xylene.
<b>Waste code</b>	Classified as dangerous waste. EAL-code is evaluated by end user, or EAL-code: 07 02 08. National waste code 7052 Paint, glue, varnish, 2-component

Containers should be labeled with Epoxy waste – risk of eczema



### 14. Transport information □

Chemical evaluated as dangerous goods:  Yes  No  Not evaluated  
 UN-number.: 3082  
 ADR/RID/IMDG/ICAO/IATA 3082

**PROPER SHIPPING NAME:**  
 Environmentally hazardous substance, liquid, n.o.s. 2,2-Bis (4-(glycidyoxy)phenyl)propane

**ADR/RID (Land transport / Railway transport)**  
 Class 9 **Packaging group:** III  
 Danger class 90

**IMDG (Maritime Transport)**  
 Class 9 **Packaging group:** III  
 Sub. risk EMS F-A-S-F

Marin pollutant: Yes

**IATA (Air Transport)**  
 Class 9 **Packaging group:** III

### 15. Regulatory information □

<b>Additional information</b>	Contain epoxy products
<b>Receipt from Produktregisteret</b>	92624

### 16. Other information □

<b>Classification according to CLP (EC) No 1272 [CLP/GHS]</b>	Skin Sens. 1; H315 Skin Sens. 1; H317 Eye Irrit. 2; H319 Aquatic Chronic 2; H411 Skin Sens. 1; EUH 205
<b>List of relevant R-phrases (in section 2 and 3)</b>	R36/38 Irritating to eyes and skin R38 Irritating to skin R43 May cause sensitization by skin contact R51 Toxic to aquatic organisms R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment R53 May cause long-term adverse effects in the aquatic environment.
<b>List of relevant H-phrases (in section 2 and 3)</b>	EUH 205 Contains epoxy constituents. May produce an allergic reaction H315 Causes Skin irritation. H317 May cause an allergic skin reaction H319 Causes serious eye irritation H411 Toxic to aquatic life with long lasting effects

**Notes from supplier**

This information is only valid for the above mentioned product and may not be valid if the product is used with one or several other products, or as a part of a process.  
 This information is based on the information we knew at the time of preparation and they have been given in good faith and provided that the product is used under normal conditions and in accordance with the specified conditions of use. Any other use of the date indicated, eventually together with other products or processes, is at your own risk.