

Safety Data Sheet

according to Regulation (EC) No. 1907/2006

EH 196 R Komp. A

Print date: 12.07.2011

Product code: S00817

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

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Relevant identified uses of the substance or mixture and uses advised against**Use of the substance/mixture**

Grouting mortar

Details of the supplier of the safety data sheet

Company name:	Pagel Spezial-Beton GmbH & Co.KG	
Street:	Wolfsbankring 9	
Place:	D-45355 Essen	
Telephone:	+49 (0201) 685040	Telefax: +49 (0201) 68504-31
e-mail:	info@pagel.de	
Contact person:	Daniel Schempershofe	
e-mail:	schempershofe@pagel.de	
Responsible Department:	Abteilung Labor	

Emergency telephone: +49 (0201) 685040**Further Information**

This number is serviced during office hours.
Monday - Thursday 08:00 a.m. - 04:30 p.m.
Friday 08:00 a.m. - 03:00 p.m.

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

Indications of danger : Irritant
R-phrases:
Irritating to eyes and skin.
May cause sensitization by skin contact.
Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Label elements

Danger symbols: Xi - Irritant



Xi - Irritant

Hazardous components which must be listed on the label

epoxy resin (number average molecular weight <= 700), reaction product: bisphenol-A-(epichlorhydrin)
Bisphenol F-Epoxidharz
1,6-Hexandioldiglycidylether

R phrases

36/38	Irritating to eyes and skin.
43	May cause sensitization by skin contact.
52/53	Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

S phrases

24	Avoid contact with skin.
26	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
37	Wear suitable gloves.

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61 Avoid release to the environment. Refer to special instructions / Safety data sheets.

Special labelling of certain mixtures

Contains epoxy constituents. See information supplied by the manufacturer.

SECTION 3: Composition/information on ingredients**Mixtures****Chemical characterization**

4,4'-ISOPROPYLIDENEDIPHENOL/EPICHLOROHYDRIN COPOLYMER

Hazardous components

EC No.	Chemical name	Quantity
CAS No.	Classification	
Index No.	GHS classification	
REACH No.		
500-033-5	epoxy resin (number average molecular weight <= 700), reaction product: bisphenol-A-(epichlorhydrin)	10-20 %
25068-38-6	Xi, N R36/38-43-51-53	
603-074-00-8	Eye Irrit. 2, Skin Irrit. 2, Skin Sens. 1, Aquatic Chronic 2; H319 H315 H317 H411	
	Bisphenol F-Epoxidharz	5-10 %
9003-36-5	Xi, N R36/38-43-51-53	
	Skin Irrit. 2, Eye Irrit. 2, Skin Sens. 1, Aquatic Chronic 2; H319 H315 H317 H411	
240-260-4	1,6-Hexandioldiglycidylether	2.5-5 %
16096-31-4	Xi R36/38-43-52-53	
	Skin Irrit. 2, Eye Irrit. 2, Skin Sens. 1, Aquatic Chronic 3; H315 H319 H317 H412	

Full text of R- and H-phrases: see section 16.

SECTION 4: First aid measures**Description of first aid measures****After inhalation**

Remove casualty to fresh air and keep warm and at rest. In case of irregular breathing or respiratory arrest provide artificial respiration. In case of unconsciousness place in unconscious position and seek medical advice.

After contact with skin

Take off immediately all contaminated clothing. After contact with skin, wash immediately with plenty of water and soap. In all cases of doubt, or when symptoms persist, seek medical advice.

After contact with eyes

In case of contact with eyes, rinse immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart. Subsequently consult an ophthalmologist. Remove contact lenses, if present and easy to do. Continue rinsing.

After ingestion

Rinse mouth immediately and drink large quantities of water. Remove casualty to fresh air and keep warm and at rest. Do not induce vomiting. In case of unconsciousness place in unconscious position and seek medical advice.

Most important symptoms and effects, both acute and delayed

Following eye contact: Causes serious eye irritation.

Following inhalation:

Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

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SECTION 5: Firefighting measures

Extinguishing media

Suitable extinguishing media

Carbon dioxide (CO₂). Extinguishing powder. Water spray. alcohol resistant foam.

Extinguishing media which must not be used for safety reasons

High power water jet.

Special hazards arising from the substance or mixture

Beim Erhitzen oder im Brandfalle Bildung giftiger Gase möglich. Bei einem Brand kann freigesetzt werden: Kohlenmonoxid und Kohlendioxid.

Advice for firefighters

Wear a self-contained breathing apparatus and chemical resistant suit. In case of fire and/or explosion do not breathe fumes.

Additional information

Use a water spray jet to knock down vapours/gases/mists. Contaminated fire-fighting water must be collected separately. Do not empty into drains or the aquatic environment.

SECTION 6: Accidental release measures

Personal precautions, protective equipment and emergency procedures

Provide adequate ventilation. Do not breathe gas/fumes/vapour/spray. Avoid contact with skin, eye and clothing. Wear personal protection equipment.

Environmental precautions

Do not empty into drains or the aquatic environment. In case of gas being released or leakage into waters, ground or the drainage system, the appropriate authorities must be informed.

Methods and material for containment and cleaning up

Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents). Treat the assimilated material according to the section on waste disposal. Provide adequate ventilation.

SECTION 7: Handling and storage

Precautions for safe handling

Advice on safe handling

If suction of the immediate vicinity is impossible or insufficient, adequate airing of the working place must be ensured.

Advice on protection against fire and explosion

No special fire protection measures are necessary.

Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Keep container tightly closed.

Advice on storage compatibility

No special precautionary measures are necessary.

Further information on storage conditions

Keep container tightly closed. Keep only in the original container in a cool, well-ventilated place.

SECTION 8: Exposure controls/personal protection

Control parameters

Exposure controls

Protective and hygiene measures

Take off immediately all contaminated clothing. Protect skin by using skin protective cream. After work,

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wash hands and face. When using do not eat or drink.

Respiratory protection

Respiratory protection required in case of: insufficient ventilation.

Hand protection

Tested protective gloves are to be worn:

Eye protection

Tightly sealed safety glasses.

Skin protection

Only wear fitting, comfortable and clean protective clothing.

SECTION 9: Physical and chemical properties**Information on basic physical and chemical properties**

Physical state:	Flüssig
Colour:	pigmented
Odour:	Leicht

pH-Value:

	Test method
nicht anwendbar	

Changes in the physical state

Melting point:	Nicht bestimmt
Boiling point:	200 °C
Flash point:	>200 °C
Lower explosion limits:	Not available.
Upper explosion limits:	Not available.
Ignition temperature:	Not available.
Vapour pressure:	Not available.
Vapour pressure:	Not available.
Density (at 25 °C):	1,95 g/cm ³
Water solubility:	0 g/L
Partition coefficient:	Not available.
Viscosity / dynamic: (at 25 °C)	40.000 mPa·s
Evaporation rate:	Not available.
Solvent separation test:	Not available.

Other information

Solid content:	100
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SECTION 10: Stability and reactivity**Reactivity**

Not available.

Chemical stability

Not available.

Possibility of hazardous reactions

Not available.

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Conditions to avoid

Not available.

Incompatible materials

Not available.

Hazardous decomposition products

No specific data.

SECTION 11: Toxicological information**Information on toxicological effects****Acute toxicity**

CAS No.	Chemical name			
	Exposure routes	Method	Dose	Species
25068-38-6	epoxy resin (number average molecular weight <= 700), reaction product: bisphenol-A-(epichlorhydrin)			
	Acute oral toxicity	LD50	>5000 mg/kg	Rat.
	Acute dermal toxicity	LD50	>2000 mg/kg	Rat.
9003-36-5	Bisphenol F-Epoxidharz			
	Acute oral toxicity	LD50	>5000 mg/kg	Rat.
	Acute dermal toxicity	LD50	>2000 mg/kg	Rat.
16096-31-4	1,6-Hexandioldiglycidylether			
	Acute oral toxicity	LD50	8500 mg/kg	Rat.
	Acute dermal toxicity	LD50	<4900 mg/kg	Rabbit.
	Acute inhalation toxicity	LC50	>0,035 mg/l	Rat.

Irritation and corrosivity

Irritating to eyes.

After skin contact: irritant.

Sensitizing effects

May cause sensitization by skin contact.

Severe effects after repeated or prolonged exposure

Once sensitized, a severe allergic reaction may occur when subsequently exposed to very low levels.

Additional information on tests

The classification was undertaken in accordance with the calculation method governed by the Preparations Directive (1999/45/EC).

SECTION 12: Ecological information**Toxicity**

Harmful to aquatic organisms.

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CAS No.	Chemical name			Method	Dose	Species	h
25068-38-6	epoxy resin (number average molecular weight <= 700), reaction product: bisphenol-A-(epichlorhydrin)						
	Acute fish toxicity	LC50	1,5 mg/l			Fish.	96
9003-36-5	Bisphenol F-Epoxidharz						
	Acute fish toxicity	LC50	0,55 mg/l			Fish.	96
16096-31-4	1,6-Hexandioldiglycidylether						
	Acute fish toxicity	LC50	30 mg/l			Fish.	96

Persistence and degradability

Not available.

Bioaccumulative potential

Not available.

Partition coefficient n-octanol/water

CAS No.	Chemical name	Log Pow
25068-38-6	epoxy resin (number average molecular weight <= 700), reaction product: bisphenol-A-(epichlorhydrin)	3,8
9003-36-5	Bisphenol F-Epoxidharz	3
16096-31-4	1,6-Hexandioldiglycidylether	0,822

Mobility in soil

Not available.

Results of PBT and vPvB assessment

Not available.

Other adverse effects

Not available.

Further information

Do not empty into drains or the aquatic environment. The classification was undertaken in accordance with the calculation method governed by the Preparations Directive (1999/45/EC).

SECTION 13: Disposal considerations**Waste treatment methods****Advice on disposal**

Do not empty into drains or the aquatic environment. Waste disposal according to official state regulations.

Waste disposal number of waste from residues/unused products

080111 WASTES FROM THE MANUFACTURE, FORMULATION, SUPPLY AND USE (MFSU) OF COATINGS (PAINTS, VARNISHES AND VITREOUS ENAMELS), ADHESIVES, SEALANTS AND PRINTING INKS; wastes from MFSU and removal of paint and varnish; waste paint and varnish containing organic solvents or other dangerous substances
Classified as hazardous waste.

Waste disposal number of contaminated packaging

080111 WASTES FROM THE MANUFACTURE, FORMULATION, SUPPLY AND USE (MFSU) OF COATINGS (PAINTS, VARNISHES AND VITREOUS ENAMELS), ADHESIVES, SEALANTS AND PRINTING INKS; wastes from MFSU and removal of paint and varnish; waste paint and varnish containing organic solvents or other dangerous substances
Classified as hazardous waste.

Contaminated packaging

Cleaned containers may be recycled. Handle contaminated packaging in the same way as the

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substance itself.

SECTION 14: Transport information**SECTION 15: Regulatory information****Safety, health and environmental regulations/legislation specific for the substance or mixture****EU regulatory information****Additional information**

Reserved for industrial and professional use.

National regulatory information

Water contaminating class (D):

1 - slightly water contaminating

Skin resorption/Sensitization:

Causes allergic hypersensitivity reactions.

Chemical Safety Assessment

For this substance a chemical safety assessment has not been carried out.

SECTION 16: Other information**Full text of R-phrases referred to under sections 2 and 3**

36/38	Irritating to eyes and skin.
43	May cause sensitization by skin contact.
51	Toxic to aquatic organisms.
52	Harmful to aquatic organisms.
52/53	Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
53	May cause long-term adverse effects in the aquatic environment.

Full text of H-Statements referred to under sections 2 and 3

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.
H412	Harmful to aquatic life with long lasting effects.

Further Information

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.

(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)