

Safety Data Sheet
according to 1907/2006/EC, Article 31

Printing date 07.01.2010

Revision: 31.05.2007

1 Identification of the substance/preparation and of the company/undertaking**Product details**Trade name weber.xerm 848 Komp.B

Safety data sheet no.: 49PD20202-b

Application of the substance / the preparation Epoxy resin adhesive

Manufacturer/Supplier:Saint-Gobain Weber GmbH
Bürgermeister-Grünzweig-Straße 1
D-67059 Ludwigshafen
++49(0)1805/93 23 7-9
email: werner.wissmann@saint-gobain.com**Information in case of emergency:** Product safety department. Tel.: ++49-2363/399-210**2 Hazards identification****Hazard description:**

Xi Irritant

Information concerning particular hazards for human and environment:

The product has to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.

R 36/38 Irritating to eyes and skin.

R 43 May cause sensitisation by skin contact.

Classification system:

The classification is according to the latest editions of the EU-lists, and extended by company and literature data.

GHS label elements**Danger**

H318 - Causes serious eye damage.

**Warning**

H317 - May cause an allergic skin reaction.

Warning

H315 - Causes skin irritation.

Prevention:

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

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

Response:

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P310 Immediately call a POISON CENTER or doctor/physician.

P321 Specific treatment (see on this label).

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Disposal:

P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

3 Composition/information on ingredients

Chemical characterization**Description:** Reaction resin curer based on amines and polyamines.**Dangerous components:**

CAS: 68410-23-1	Polyaminoamide ☒ Xi; R 41 Danger: ⚠ 3.3/1	5 - 10%
CAS: 65997-15-1	cement, portland, white ☒ Xi; R 37/38-41 Danger: ⚠ 3.3/1 Warning: ⚠ 3.8/3; 3.2/2	2 - 5%
CAS: 2855-13-2 EINECS: 220-666-8 Index number: 612-067-00-9	3-aminomethyl-3,5,5-trimethylcyclohexylamine ☒ C, ☒ Xn; R 21/22-34-43-52/53 Danger: ⚠ 3.2/1B Warning: ⚠ 3.1.O/4, 3.1.D/4, 3.4.S/1 4.1.C/3	1 - 2%
CAS: 112-57-2 EINECS: 203-986-2 Index number: 612-060-00-0	3,6,9-triazaundecamethylenediamine ☒ C, ☒ Xn, ☒ N; R 21/22-34-43-51/53 Danger: ⚠ 3.2/1B Warning: ⚠ 3.1.O/4, 3.1.D/4, 3.4.S/1 4.1.C/2	1 - 2%
CAS: 112-24-3 EINECS: 203-950-6 Index number: 612-059-00-5	3,6-diazaoctanethylenediamin ☒ C, ☒ Xn; R 21-34-43-52/53 Danger: ⚠ 3.2/1B Warning: ⚠ 3.1.D/4, 3.4.S/1 4.1.C/3	1 - 2%

Additional information For the wording of the listed risk phrases refer to section 16.

4 First aid measures

General information

Immediately remove any clothing soiled by the product.

Remove the victim immediately from the danger area. If the patient is unwell consult a doctor and present this data sheet.

After inhalation

In case of unconsciousness place patient stably in side position for transportation.

Supply fresh air and to be sure call for a doctor.

After skin contact

Immediately wash with water and soap and rinse thoroughly.

If skin irritation continues, consult a doctor.

After eye contact

Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

Rinse liquid should be tempered (20-30°C).

After swallowing

Rinse out mouth with water. Do not induce vomiting. Seek medical attention and present this data sheet.

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5 Fire fighting measures

Suitable extinguishing agents

CO₂, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

Protective equipment: Wear self-contained respiratory protective device.

6 Accidental release measures

Person-related safety precautions:

Ensure adequate ventilation.

Particular danger of slipping on leaked/spilled product.

Measures for environmental protection: No special measures required.

Measures for cleaning/collecting:

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

Additional information: See Section 13 for disposal information.

7 Handling and storage

Handling

Information for safe handling: Keep receptacles tightly sealed.

Information about fire - and explosion protection: No special measures required.

Storage**Requirements to be met by storerooms and receptacles:**

Store only in unopened original receptacles.

Information about storage in one common storage facility: Store away from foodstuffs.

Further information about storage conditions:

Protect from frost.

Store in cool, dry conditions in well sealed receptacles.

Protect from humidity and water.

Recommended storage temperature: 5-30°C.

8 Exposure controls and personal protection

Additional information about design of technical facilities: No further data; see item 7.

Ingredients with limit values that require monitoring at the workplace:**Additional information:**

The applicable TRGS 900 (MAK list) was used as the basis for the preparation and/or revision of this safety data sheet.

Personal protective equipment:**General protective and hygienic measures:**

The usual precautionary measures are to be adhered to when handling chemicals.

Keep away from foodstuffs, beverages and feed.

Immediately remove all soiled and contaminated clothing.

Wash hands before breaks and at the end of work.

Avoid contact with the eyes and skin.

Use a moisturising skin cream after processing the product.

Respiratory protection:

Not necessary if room is well-ventilated.

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Short term filter device:
Filter AX.

Protection of hands:

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

Protective gloves.

Material of gloves

Butyl rubber, BR

Nitrile rubber, NBR

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 can not be calculated in advance and has therefore to be checked prior to the application.

Penetration time of glove material

The exact break trough time has to be found out by the manufacturer of the protective gloves and has to be observed.

Eye protection: Safety glasses.

Body protection: Protective work clothing.

9 Physical and chemical properties:

General Information

Form:	Fluid
Colour:	According to product specification
Odour:	Characteristic

Change in condition

Melting point/Melting range: Undetermined.
Boiling point/Boiling range: > 100°C (> 212°F) (DIN)

Flash point: > 100°C (> 212°F) (DIN ISO 2592)

Ignition temperature: 400°C (752°F) (DIN 51794)

Self-igniting: Product is not selfigniting.

Danger of explosion: Product does not present an explosion hazard.

Density at 20°C (68°F): 1,666 g/cm³ (DIN 51757)

Bulk density: Not applicable.

Solubility in / Miscibility with

Water: Not miscible or difficult to mix

pH-value: Not applicable.

Viscosity:

dynamic: Not determined.
kinematic: Not determined.

Solvent separation test: Not determined

Solvent content:

Organic solvents: 0,1 %

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Additional information: None.

10 Stability and reactivity

Thermal decomposition / Conditions to be avoided:

No decomposition if used according to specifications.

Dangerous reactions: Reacts with acids, alkalis and oxidizing agents

Dangerous decomposition products: No dangerous decomposition products known.

11 Toxicological information

Acute toxicity:
LD/LC50 values relevant for classification:

Components	Type	Value	Species
13463-67-7 titanium dioxide			
Oral	LD50	>10000 mg/kg	(rat)
25155-81-1 Formaldehydpolymer mit Toluol			
Oral	LD50	9000 mg/kg	(rat)
2855-13-2 3-aminomethyl-3,5,5-trimethylcyclohexylamine			
Oral	LD50	1030 mg/kg	(rat)
Dermal	LD50	1840 mg/kg	(rabbit)

Primary irritant effect:
on the skin: Irritant to skin and mucous membranes.

on the eye: Irritating effect.

Sensitization: Sensitization possible through skin contact.

Additional toxicological information:

The product shows the following dangers according to the calculation method of the General EC Classification Guidelines for Preparations as issued in the latest version:

Irritant

Sensitisation May cause sensitisation by skin contact.

12 Ecological information:

Information about elimination (persistence and degradability):
Other information: The product is difficultly biodegradable.

Behaviour in environmental systems:
Mobility and bioaccumulation potential:

2855-13-2 3-aminomethyl-3,5,5-trimethylcyclohexylamine	
EBAB	0,79 log Pow (-)

Ecotoxicological effects:
Acquatic toxicity:

Type of test	Effective concentration	Method	Assessment
2855-13-2 3-aminomethyl-3,5,5-trimethylcyclohexylamine			
EC 10/18h	1120 mg/l	(pseudomonas putida)	
EC50/24h	42 mg/l	(Daphnia magna (großer Wasserfloh))	
EC50/72h	37 mg/l	(scenedesmus subspicatus (Alge))	

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LC50/48h	185 mg/l (Leuciscus idus (Goldorfe))
LC50/96h	110 mg/l (Brachydanio rerio (Zebrabärbling))

General notes:

Do not allow product to reach ground water, water course or sewage system.

13 Disposal considerations

Product:**Recommendation**

After mixing with the resin component pour a partial amount back into the curing agent barrel, stir well and pour the mass back once more. Cured epoxy resin products are waste that requires no particular supervision and can as a rule be disposed of as commercial waste that is similar to household rubbish.

European waste catalogue

Possible waste code. The concrete waste code depends of the source of the waste.

07 02 08	other still bottoms and reaction residues
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Uncleaned packaging:

Recommendation: Dispose of packaging according to regulations on the disposal of packagings.

14 Transport information

Land transport ADR/RID and GGVS/GGVE (cross-border/domestic)

ADR/RID-GGVS/E Class: -

Maritime transport IMDG/GGVSea:

IMDG/GGVSea Class: -

Air transport ICAO-TI and IATA-DGR:

ICAO/IATA Class: -

UN "Model Regulation": -

Transport/Additional information: Not dangerous according to the above specifications.

15 Regulatory information

Labelling according to EU guidelines:

The product has been classified and marked in accordance with EU Directives / Ordinance on Hazardous Materials.
Observe the general safety regulations when handling chemicals.

Code letter and hazard designation of product:

Xi Irritant

Hazard-determining components of labelling:

Polyaminoamid
3-aminomethyl-3,5,5-trimethylcyclohexylamine

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Risk phrases:

- 36/38 Irritating to eyes and skin.
43 May cause sensitisation by skin contact.

Safety phrases:

- 2 Keep out of the reach of children.
24/25 Avoid contact with skin and eyes.
26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
28 After contact with skin, wash immediately with plenty of soap and water.
36/37/39 Wear suitable protective clothing, gloves and eye/face protection.
46 If swallowed, seek medical advice immediately and show this container or label.

16 Other information:

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

Relevant R-phrases

- 21 Harmful in contact with skin.
21/22 Harmful in contact with skin and if swallowed.
34 Causes burns.
37/38 Irritating to respiratory system and skin.
41 Risk of serious damage to eyes.
43 May cause sensitisation by skin contact.
51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Department issuing MSDS: Product safety department.**Contact:** Mr. Wissmann tel. ++49-2363/399-210**Abbreviations and acronyms:**

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)
IMDG: International Maritime Code for Dangerous Goods
IATA: International Air Transport Association
IATA-DGR: Dangerous Goods Regulations by the "International Air Transport Association" (IATA)
ICAO: International Civil Aviation Organization
ICAO-TI: Technical Instructions by the "International Civil Aviation Organization" (ICAO)
GHS: Globally Harmonized System of Classification and Labelling of Chemicals
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent

*** Data compared to the previous version altered.**

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