

1) Identification of the substance/preparation and company

Product details:**Trade name:**

P-BOND, COMPONENT B

Identification of the manufacturer / supplier:**Address:**

Paul Pietzschke, Chemisch-Technische Fabrik
Rugenbarg 63A
D-22848 Norderstedt
Telephone no.: + 49 (0)40-513192-40
Fax no.: + 49 (0)40-513192-55

Information provided by / telephone:

+ 49 (0)40-513192-40

Emergency telephone number :

+ 49 (0)40-513192-40

2) Composition / information on ingredients

Chemical characterization:

Adhesive component based on epoxy resin

Hazardous ingredients:**REACTION PRODUCT:BISPHENOL A-(EPICHLORHYDRIN),EPOXY RESIN (NUMBER AVERAGE MOLECULAR WEIGHT <= 700)**

Concentration : >= 60 %-b.w. <= 80 %-b.w.

CAS no.: 25068-38-6 Hazard symbols: Xi, N R phrases: 36/38, 43, 51/53

1,1,3,3-TETRABUTYL-1,3-BIS[(1-OXODODECYL)OXY]DISTANNOXAN

Concentration : >= 2 %-b.w. <= 5 %-b.w.

CAS no.: 3669-02-1 Hazard symbols: Xn R phrases: 22, 36/38

3) Hazards possibilities

Hazard designation**Hazard symbols:**

Xi Irritant

R phrases:

36/38Irritating to eyes and skin.

43 May cause sensitisation by skin contact.

Particular information pertaining specific risk for human / environment:

Contains epoxy compounds. Observe manufacturer's instructions.

4) First aid measures

General Information:

By continuous complaints consult a physician.

Remove immediately contaminated clothing and shoes and launder thoroughly before reusing.

After inhalation:

Remove affected person from danger area.

Ensure supply of fresh air.

After skin contact:

Wash off immediately with soap and water.

After eye contact:

Separate eyelids, wash the eyes thoroughly with water (15 min.)

After ingestion:

Seek medical advice immediately.

Never give anything by mouth to an unconscious person.

If individual is drowsy or unconscious place in recovery position (on left side, with head down).

5) Fire-fighting measures

Suitable extinguishing media:

Foam

Dry powder

Water spray jet

Carbon dioxide

Extinguishing media that must not be used for safety reasons:

Full water jet

Special exposure hazards arising from the substance or preparation itself, its combustion products or from resulting gases:

When exposed to high temperatures may produce hazardous decomposition products such as carbon monoxide, carbon dioxide and smoke.

In the event of fire the following can be released:

Tin oxides

Special protective equipment for firefighting:

Use self-contained breathing apparatus.

Wear protective clothing.

6) Accidental release measures

Personal precautions:

Refer to protective measures listed in sections 7 and 8.

Avoid contact with skin, eyes and clothing.

Ensure adequate ventilation.

Environmental precautions:

Do not discharge into the drains/surface waters/groundwater.

Methods for cleaning up/taking up:

Pick up with absorbent material (e.g. sand, sawdust, general-purpose binder).
Send in suitable containers for recovery or disposal.

Additional information (chapter 6):

Excessive exotherm reaction possible if quantities greater than 1 litre of epoxy hardener and epoxy resin are mixed. Use water spray to reduce reaction heat.

7) Handling and storage**Handling****Advice on safe handling:**

Provide good ventilation of working area (local exhaust ventilation if necessary).

Advice on protection against fire and explosion:

Keep away from sources of heat and ignition.

Storage**Requirements for storage rooms and vessels:**

Containers which are opened must be carefully resealed and kept upright to prevent leakage.
Always keep in containers of same material as the original one.

Hints on storage assembly

Do not store together with:

Oxidizing agents

Acids

Amines

Bases

Further information on storage conditions

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

8) Exposure controls / personal protection**Ingredients with occupational exposure limits to be monitored****TIN COMPOUNDS, ORGANIC**

Type: MAK (TRGS 900)
0.1000 E mg/m³

Other information on the limit values

Abbreviations: E = respirable part, A = alveoli absorbable part

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

Do not eat, drink or smoke during work time.

Keep away from foodstuffs and beverages.

Avoid contact with eyes and skin.

Remove soiled or soaked clothing immediately.

Wash hands before breaks and after work.

Respiratory protection:

If ventilation insufficient, use a respiratory protection apparatus.

Hand protection:

Chemical resistant gloves

Eye protection:

Safety glasses

Skin protection:

Clothing as usual in the chemical industry.

9) Physical and chemical properties**Appearance**

Form:	liquid
Colour:	black
Odour:	characteristic

Safety data

Changes in physical state

Type:	Boiling point
no data available	

Flash point :	252 °C
Reference substance:	Epoxy resin

Ignition temperature :	> 300 °C
Reference substance:	Epoxy resin

Density :	1,10 - 1,18 g/cm ³
Reference substance:	Epoxy resin

10) Stability and reactivity**Conditions to avoid:**

In case of contact of more than 0,5 kg of the product with aliphatic amines dangerous polymerisation (exotherm reaction) possible.

Materials to avoid:

Oxidising agents
Acids
Bases

Hazardous decomposition products:

Tin oxides

Thermal decomposition

Remarks:	No decomposition if used as prescribed.
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11) Toxicological information

Experiences made in practice

Contact of the product with skin or eyes may cause irritation.
Possibility of sensitisation through skin contact.

12) Ecological information

General information / ecology

Do not discharge into the drains or waters and do not store on public depositories.

13) Disposal considerations

Product

Allocation of a waste code number, according to the European Waste Catalogue (EWC), should be carried out in agreement with the regional waste disposal company.

Uncleaned packaging

Contaminated packaging should be emptied as far as possible and after appropriate cleansing may be taken for reuse.

Packaging that cannot be cleaned should be disposed off in agreement with the regional waste disposal company.

14) Transport information

Land transport ADR/RID

Class	9 11 c
Hazard no.	90
UN number:	3082
Technical name:	Environmentally hazardous substance, liquid, n.o.s.
Danger releasing substance:	Reaction product: bisphenol-a-epichlorhydrin, epoxy resin (molecular weight < = 700)

Marine transport IMDG/GGVSee

Class:	9
Packaging group:	III
UN number:	3082
Proper shipping name:	Environmentally hazardous substance, liquid, n.o.s.
Danger releasing substance:	Reaction product: bisphenol-a-epichlorhydrin, epoxy resin (molecular weight < = 700)
EmS :	--
MFAG:	--
MARPOL:	--

Air transport ICAO/IATA

Class:	9
Packaging group:	III
UN number:	3082
Proper shipping name:	Environmentally hazardous substance, liquid, n.o.s.
Danger releasing substance:	Reaction product: bisphenol-a-epichlorhydrin, epoxy resin (molecular weight < = 700)

15) Regulatory information

Labelling in accordance with EC directives

The product is classified and labelled in accordance with EC directives/GefStoff V (German regulations on dangerous substances).

Classification according to the 'Listing Principe' of the Guide lines for preparations (88/379/EEC).

Hazard symbols

Xi Irritant

Hazardous component(s) to be indicated on label

contains:

REACTION PRODUCT:BISPHENOL A-(EPICHLORHYDRIN),EPOXY RESIN
(NUMBER AVERAGE MOLECULAR WEIGHT < = 700)

R phrases

36/38 Irritating to eyes and skin.

43 May cause sensitisation by skin contact.

S phrases

28.2 After contact with skin, wash immediately with water and soap.

37/39 Wear suitable gloves and eye/face protection.

Special labelling for certain preparations

Contains epoxy-containing compounds. Observe manufacturer's instructions.

16) Other information

Department issuing safety data sheet

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This information is based on our present state of knowledge. However, it should not constitute a guarantee for any specific product properties and shall not establish a legally valid relationship.