



MATERIAL SAFETY DATA SHEET

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Revision nr : 3

Date : 19 / 3 / 2013

Supersedes : 24 / 3 / 2010

PC 5800/BL A**PC 5800/BL A**

Xn : Harmful



N : Dangerous for the environment



9: Miscellaneous dangerous substances and articles

Warning -**Producer**

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Responsible for distribution

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SECTION 1. Identification of the substance/mixture and of the company/undertaking**1.1. Product identifier**

Identification of the product : Paste.
Trade name : PC 5800/BL A

1.2. Relevant identified uses of the substance or mixture and uses advised against

Use : Glue

1.3. Details of the supplier of the safety data sheet

Company identification : ECC N.V.
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1.4. Emergency telephone number

Emergency telephone number : +32 3 828 94 95

SECTION 2. Hazards identification**2.1. Classification of the substance or mixture**

Classification EC 67/548 or EC 1999/45

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PC 5800/BL A**PC 5800/BL A****SECTION 2. Hazards identification (continued)**

Xn; 48/20
Xi; R36/38
R43
N; R51-53

Hazard Class and Category Code(s), Regulation (EC) No 1272/2008 (CLP)

- **Health hazards** : Skin irritation - Category 2 - Warning - (CLP : Skin Irrit. 2) - H315
Eye irritation - Category 2A - Warning - (CLP : Eye Irrit. 2) - H319
Skin sensitisation - Category 1 - Warning - (CLP : Skin Sens. 1) - H317
Specific Target Organ Toxicity - Repeated exposure - Category 2 - Warning - (CLP : STOT RE 2) - H373
- **Environmental hazards** : Hazardous to the aquatic environment - Chronic hazard - Category 2 - (CLP : Aquatic Chronic 2) - H411

2.2. Label elements**Labelling EC 67/548 or EC 1999/45****Symbol(s)**

- : Harmful.
Dangerous for the environment.
- R Phrase(s)** : R36/38 - Irritating to eyes and skin.
R43 - May cause sensitization by skin contact.
R48/20 - Harmful : danger of serious damage to health by prolonged exposure through inhalation.
R51/53 - Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
- S Phrase(s)** : S37 - Wear suitable gloves.
S61 - Avoid release to the environment. Refer to special instructions/Safety data sheets.
- Contains** : Quartz (flour)
Reaction product: bisphenol-A- (epichlorhydrin) epoxy resin (number average molecular weight <= 700)
1,6-hexanedioldiglycidyl ether
Epoxy resin polymer
Quartz

Labelling Regulation EC 1272/2008 (CLP)**• Hazard pictograms**

- **Hazard pictograms** : GHS08 - SGH07 - GHS09
- **Signal words** : Warning -
- **Hazard statements** : H319 - Causes serious eye irritation
H315 - Causes skin irritation
H317 - May cause an allergic skin reaction
H373 - May cause damage to organs through prolonged or repeated exposure .
H411 - Toxic to aquatic life with long lasting effects

• Pictograms (Precautionary statements)



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SECTION 2. Hazards identification (continued)

• Precautionary statements

Prevention : P280 - Wear protective gloves/protective clothing/eye protection/face protection.

Response : P302+P352+P362+P332+P313+P321 - IF ON SKIN : Wash with plenty of soap and water. Take off contaminated clothing and wash before reuse. If skin irritation occurs : Get medical advice. Specific treatment.
P305+P351+P338+P337+P313 - IF IN EYES : Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists : Get medical advice.
P314 - Get medical advice/attention if you feel unwell

Disposal considerations : P501 - Dispose of this material and its container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

2.3. Other hazards

Other hazards : None under normal conditions.

SECTION 3. Composition/information on ingredients

3.1./3.2. Substance / Preparation

This product is considered to be hazardous and contains hazardous components.

Composition (prepar.)

Substance name	Value(s)	CAS nr	EINECS nr	EC index	REACH	CERTIFICATE
Quartz (flour)	40 - 50 %	14808-60-7	238-878-4	----	----	Xn; R48/20 STOT RE 2;H373
<i>TLV-TWA [mg/m3] : .1</i>						
Reaction product: bisphenol-A- (epichlorhydrin) epoxy resin (number average molecular weight <= 700)	20 - 30 %	25068-38-6	500-033-5	603-074-00-8	----	Xi; R36/38 R43 N; R51-53 Eye Irrit. 2;H319 Skin Irrit. 2;H315 Skin Sens. 1;H317 Aquatic Chronic 2;H411
<i>Rat oral LD50 [mg/kg] : 5000 Rabbit dermal LD50 [mg/kg] : > 2000</i>						
1,6-hexanedioldiglycidyl ether	1 - 15 %	16096-31-4	-----	-----	----	Xi; R36/38 R43 R52-53 Eye Irrit. 2;H319 Skin Irrit. 2;H315 Skin Sens. 1;H317 Aquatic Chronic 3;H412
<i>Rat oral LD50 [mg/kg] : 2900 Rat inhalation LC50 [mg/l/4h] : > 100</i>						
Epoxy resin polymer	1 - 15 %	55492-52-9	-----	-----	----	Xi; R36/38 R43 N; R51-53 Eye Irrit. 2;H319 Skin Irrit. 2;H315 Skin Sens. 1;H317 Aquatic Chronic 2;H411
<i>Rat oral LD50 [mg/kg] : > 5000</i>						
Quartz	0.01 - 1 %	-----	-----	-----	----	Xn; R20 Acute Tox. 4 (Inhalation);H332

SECTION 4. First aid measures

4.1. Description of first aid measures

First aid

- Inhalation : Assure fresh air breathing.

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SECTION 4. First aid measures (continued)

- **Skin contact** : Wash skin with mild soap and water.
- **Eye contact** : Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persist.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms relating to use

- **Skin contact** : Redness, pain.
- **Eye contact** : Redness, pain. Blurred vision. Tears.

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

No data available.

SECTION 5. Firefighting measures

5.1. Extinguishing media

Extinguishing media

- **Suitable** : All extinguishing media can be used.
- **Not to be used** : Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

Thermal decomposition generates toxic vapours.

5.3. Advice for firefighters

- Flammable class** : Combustible.
- Protection against fire** : Do not enter fire area without proper protective equipment, including respiratory protection.
- Prevention** : Keep away from sources of ignition. No smoking.
- Special procedures** : Exercise caution when fighting any chemical fire.
- Surrounding fires** : Use water spray or fog for cooling exposed containers.

SECTION 6. Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

- Personal precautions** : Spill should be handled by trained cleaning personnel properly equipped with respiratory and eye protection.

6.2. Environmental precautions

- Environmental precautions** : Prevent entry to sewers and public waters.
Notify authorities if product enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

- After spillage and/or leakage** : Collect spills and put it into appropriated container.

6.4. Reference to other sections

See section 8 and 13.

SECTION 7. Handling and storage

7.1. Precautions for safe handling

- Personal protection** : Avoid all unnecessary exposure.
Ensure prompt removal from eyes, skin and clothing.
- Handling** : Wash hands and other exposed areas with mild soap and water before eat, drink or smoke and when leaving work.
Keep away from food, drink and animal feeding stuffs.

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SECTION 7. Handling and storage (continued)

Technical protective measures : Both local exhaust and general room ventilation are usually required.

7.2. Conditions for safe storage, including any incompatibilities

Storage : Keep only in the original container in a cool, well ventilated place. Keep container closed when not in use.

7.3. Specific end use(s)

Not applicable.

SECTION 8. Exposure controls/personal protection

8.1. Control parameters

Personal protection

- **Skin protection** : None under normal conditions. Avoid repeated or prolonged skin contact.
- **Eye protection** : Chemical goggles or safety glasses.
- **Hand protection** : Gloves.
- Industrial hygiene** : Provide local exhaust or general room ventilation.

8.2. Exposure controls

No data available.

SECTION 9. Physical and chemical properties

9.1. Information on basic physical and chemical properties

9.1.a. Appearance

- **Physical state** : Pasty liquid.
- **Colour** : Black.

9.1.b. Odour

- **Odour** : Characteristic.

9.1.c. Odour threshold : No data available.

9.1.d. pH : No data available.

9.1.e. Melting point / Freezing point : No data available.

9.1.f. Initial boiling point - boiling range : No data available.

9.1.g. Flash point : No data available.

9.1.h. Evaporation rate : No data available.

9.1.i. Flammability : Combustible.

9.1.j. Explosion limits (lower - upper) : No data available.

9.1.k. Vapour pressure : No data available.

9.1.l. Vapour density : No data available.

9.1.m. Relative density : No data available.

9.1.n. Solubility : No data available.

9.1.o. Partition coefficient : n-octanol / water : No data available.

9.1.p. Auto-ignition temperature : Not auto-ignitable.

9.1.q. Thermal decomposition : No data available.

9.1.r. Viscosity : No data available.

9.1.s. Explosive Properties : No data available.

9.1.t. Oxidising properties : No data available.

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SECTION 9. Physical and chemical properties (continued)

9.2. Other information

No data available.

SECTION 10. Stability and reactivity

10.1. Reactivity

None under normal conditions.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

Hazardous reactions : None under normal conditions.

10.4. Conditions to avoid

No data available.

10.5. Incompatible materials

No data available.

10.6. Hazardous decomposition products

No data available.

SECTION 11. Toxicological information

11.1. Information on toxicological effects

Toxicity information : Irritating to eyes. Irritating to skin.

SECTION 12. Ecological information

12.1. Toxicity

Toxicity information : No data available.

12.2. Persistence and degradability

No data available.

12.3. Bioaccumulative potential

No data available.

12.4. Mobility in soil

No data available.

12.5. Results of PBT and vPvB assessment

No data available.

12.6. Other adverse effects

Ecological effects information : No data available.

SECTION 13. Disposal considerations

13.1. Waste treatment methods

Disposal : Dispose in a safe manner in accordance with local/national regulations.

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SECTION 14. Transport information

General information

- UN No. : 3082
- H.I. nr : 90
- Proper shipping name : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Reaction product: bisphenol-A- (epichlorhydrin) epoxy resin (number average molecular weight <= 700))
- Hazard Label(s)



: 9: Miscellaneous dangerous substances and articles



Land transport

- ADR Class : 9
- ADR Packing group : III

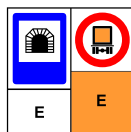
Sea transport

- IMO-IMDG code : Class 9
- IMO Packing group : III
- IMDG-Marine pollution : Yes
- EMS-Nr : F-A S-F

Air transport

- ICAO/IATA : Packaging instructions cargo : 964
Packaging instructions passenger: 964
- Proper shipping name : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Reaction product: bisphenol-A- (epichlorhydrin) epoxy resin (number average molecular weight <= 700))
- IATA - Class or division : 9
- IATA Packing group : III
In case of spillage and/or leakage : Clean up even minor leaks or spills if possible without unnecessary risk.

Other



: E : Passage forbidden through tunnels of category E.

Personal precautions

: The driver shall not attempt to deal with any fire of the load.

Emergency action in case of accident

: No naked lights. No smoking.
Keep public away from danger area.
NOTIFY POLICE AND FIRE BRIGADE IMMEDIATELY.

Additional information

: None.

SECTION 15. Regulatory information

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

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SECTION 15. Regulatory information (continued)

Ensure all national/local regulations are observed.

15.2. Chemical safety assessment

No data available.

SECTION 16. Other information

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

IC50: The half maximal Inhibitory Concentration

EC50: The half maximal Effective Concentration

Text of R-Phrases in § 3

: R20 - Harmful by inhalation.
R36/38 - Irritating to eyes and skin.
R43 - May cause sensitization by skin contact.
R48/20 - Harmful : danger of serious damage to health by prolonged exposure through inhalation.
R51/53 - Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R52/53 - Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

List of relevant H phrases (Section 3)

: H315 - Causes skin irritation
H317 - May cause an allergic skin reaction
H319 - Causes serious eye irritation
H332 - Harmful if inhaled
H373 - May cause damage to organs ... through prolonged or repeated exposure
....
H411 - Toxic to aquatic life with long lasting effects
H412 - Harmful to aquatic life with long lasting effects

Further information

: None.

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