



MATERIAL SAFETY DATA SHEET

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Revision nr : 1

Date : 4 / 12 / 2009

Supersedes : 0 / 0 / 0

PC Structo-inject 1380 A

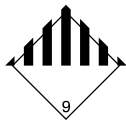
PC 1380 A



Xi : Irritant



N : Dangerous for the environment



9 : Miscellaneous dangerous substances and articles.

Warning.



Producer

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SECTION 1. Identification of the substance/mixture and of the company/enterprise

1.1. Product identifier

Identification of the product : Liquid.
Trade name : PC Structo-inject 1380 A.

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

Use : injection resin

1.3. Details of the supplier of the safety data sheet

Company identification : See producer.

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

Xi; R36/38
R43
N; R51-53

Hazard Class and Category Code Regulation EC 1272/2008 (CLP)

- **Health hazards** : Skin irritation - Category 2 - Warning
Eye irritation - Category 2A - Warning (CLP : Eye Irrit. 2)
Skin sensitisation - Category 1 - Warning (CLP : Skin Sens. 1)
- **Environmental hazards** : Hazardous to the aquatic environment - Chronic hazard - Category 2 (CLP : Aquatic Chronic 2)

2.2. Label elements

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SECTION 2. Hazards identification (continued)

Labelling EC 67/548 or EC 1999/45

• Symbol(s)



: Irritant.
Dangerous for the environment.

• R Phrase(s)

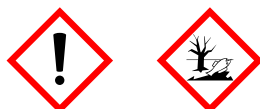
: R36/38 - Irritating to eyes and skin.
R43 - May cause sensitization by skin contact.
R51/53 - Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

• S Phrase(s)

: S37 - Wear suitable gloves.
S61 - Avoid release to the environment. Refer to special instructions/Safety data sheets.

Labelling Regulation EC 1272/2008 (CLP)

• Hazard pictograms



• Hazard pictograms code

: SGH07 - SGH09

• Signal words

: Warning.

• Hazard statements

: H319 - Causes serious eye irritation.
H315 - Causes skin irritation.
H317 - May cause an allergic skin reaction.
H411 - Toxic to aquatic life with long lasting effects.

• Pictograms (Precautionary statements)



• Precautionary statements

- Prevention

: P261 - Avoid breathing dust/fume/gas/mist/vapours/spray.
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.
P333+P313 - If skin irritation or rash occurs: Get medical advice/attention.

- Disposal considerations

: P501C - 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

None under normal conditions.

SECTION 3. Composition/information on ingredients

Substance / Preparation : Preparation.

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

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SECTION 3. Composition/information on ingredients (continued)

Composition (prepar.)

Substance name	Value(s)	CAS nr	EINECS nr	EC index	REACH	CERTIFICATE
Bisphenol F-epichlorhydrine resin, MW <700	30 - 40 %	9003-36-5	-----	-----	-----	Xi; R36/38 R43 N; R51-53 ----- Eye irrit 2 Skin Irrit. 2 Skin Sens. 1 Aquatic Chronic 2
1,6-hexanedioldiglycidyl ether	20 - 30 %	16096-31-4	-----	-----	-----	Xi; R36/38 R43 R52-53 ----- Eye irrit 2 Skin Irrit. 2 Skin Sens. 1 Aquatic Chronic 3
2,3-Epoxypropyl neodecanoat	1 - 10 %	26761-45-5	-----	-----	-----	R43 N; R51-53 ----- Skin Sens. 1 Aquatic Chronic 2
Reaction product: bisphenol-A- (epichlorhydrin) epoxy resin (number average molecular weight <= 700)	40 - 50 %	25068-38-6	500-033-5	603-074-00-8	-----	Xi; R36/38 R43 N; R51-53 ----- Eye irrit 2 Skin Irrit. 2 Skin Sens. 1 Aquatic Chronic 2

SECTION 4. First aid measures

4.1. Description of first aid measures

First aid

- Inhalation : Assure fresh air breathing. If you feel unwell, seek medical advice.
- 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.
- Ingestion : Never give anything by mouth to an unconscious person.
DO NOT INDUCE VOMITING.
Obtain emergency medical attention.

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

Symptoms relating to use

- Inhalation : May cause irritation to the respiratory tract and to other mucous membranes. Breathing difficulties. Chest pain. Cough.
- Skin contact : Redness, pain.
- Eye contact : Redness, pain. Blurred vision. Tears.
- Ingestion : Harmful if swallowed.

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

No data available.

SECTION 5. Fire-fighting 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

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SECTION 5. Fire-fighting measures (continued)

Thermal decomposition generates toxic vapours.

5.3. Advice for fire-fighters

- 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** : Avoid (reject) fire-fighting water to enter environment.
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

- Handling** : Keep away from food, drink and animal feeding stuffs.
Wash hands and other exposed areas with mild soap and water before eat, drink or smoke and when leaving work.
- Personal protection** : Avoid all unnecessary exposure.
Ensure prompt removal from eyes, skin and clothing.
- Technical protective measures** : Both local exhaust and general room ventilation are usually required.
- Storage** : Keep only in the original container in a cool, well ventilated place. Keep container closed when not in use.

SECTION 8. Exposure controls/personal protection

8.1. Control parameters

- Personal protection**
- **Respiratory protection** : In case of insufficient ventilation, wear suitable respiratory equipment.
 - **Skin protection** : None under normal conditions. Avoid repeated or prolonged skin contact.
 - **Eye protection** : Chemical goggles or safety glasses.
 - **Hand protection** : Gloves.
 - **Ingestion** : When using, do not eat, drink or smoke.
- Industrial hygiene** : Provide local exhaust or general room ventilation.

8.2. Occupational Exposure Limits

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SECTION 8. Exposure controls/personal protection (continued)

Occupational Exposure Limits : No data available.

SECTION 9. Physical and chemical properties

9.1. Information on basic physical and chemical properties

- Appearance : No data available.
- Physical state : Liquid.
- Colour : Yellow.
- Odour : Characteristic.
- Odour threshold : No data available.
- pH : No data available.
- Melting point / Freezing point : No data available.
- Initial boiling point - boiling range : No data available.
- Flash point : No data available.
- Evaporation rate : No data available.
- Flammability : Combustible.
- Explosion limits (lower - upper) : No data available.
- Vapour pressure : No data available.
- Vapour density : No data available.
- Density : 1.156 g/ml
- Solubility : No data available.
- Partition coefficient : n-octanol / water : No data available.
- Auto-ignition temperature : Not auto-ignitable.
- Thermal decomposition : No data available.
- Viscosity : 300 mPas (20°C)
- Explosive Properties : No data available.
- Oxidising properties : No data available.

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

No data available.

10.4. Conditions to avoid

No data available.

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SECTION 10. Stability and reactivity (continued)

10.5. Incompatible materials

Materials to avoid : Strong oxidizers.

10.6. Hazardous decomposition products

Hazardous decomposition products : None under normal conditions.

SECTION 11. Toxicological information

11.1. Information on toxicological effects

Toxicity information : Irritating to eyes, respiratory system and skin.

SECTION 12. Ecological information

12.1. Toxicity

No data available.

12.2. Persistence - 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 : This product contains hazardous components for the environment.
May cause long-term adverse effects in the aquatic environment.

SECTION 13. Disposal considerations

13.1. Waste treatment methods

Disposal : Avoid release to the environment.
Dispose of this material and its container at hazardous or special waste collection point.
Dispose in a safe manner in accordance with local/national regulations.

SECTION 14. Transport information

General information

- UN No. : 3082
- H.I. nr : 90
- Proper shipping name : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
- Hazard Label(s)

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SECTION 14. Transport information (continued)

: 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 : 914
Packaging instructions passenger: 914
- Proper shipping name : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
- 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.

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

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

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SECTION 16. Other information (continued)

IC50: The half maximal Inhibitory Concentration

EC50: The half maximal Effective Concentration

Text of R-Phrases in § 3

: R36/38 - Irritating to eyes and skin.

R43 - May cause sensitization by skin contact.

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.

Further information

: None.

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End of document

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