



MATERIAL SAFETY DATA SHEET

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Revision nr : 1

Date : 23 / 4 / 2010

Supersedes : 0 / 0 / 0

PC 509 Z ACRYL**PC 509 Z ACRYL**

Xi : Irritant

Warning**Producer**

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Responsible for distribution

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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 509 Z ACRYL.

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

Use : Injection resin for waterproofing.

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; R36/37/38

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)
Specific Target Organ Toxicity - Single exposure - Respiratory tract irritation -
Category 3 - Warning (CLP : STOT SE 3)

2.2. Label elements

Labelling EC 67/548 or EC 1999/45

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SECTION 2. Hazards identification (continued)

• Symbol(s)



: Irritant.

• R Phrase(s)

: R36/37/38 - Irritating to eyes, respiratory system and skin.

Labelling Regulation EC 1272/2008 (CLP)

• Hazard pictograms



• Hazard pictograms code

: SGH07

• Signal words

: Warning

• Hazard statements

: H319 - Causes serious eye irritation.
H315 - Causes skin irritation.
H335 - May cause respiratory irritation.

• Pictograms (Precautionary statements)



• 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.
P304+P340 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
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.

- 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.

Composition (prepar.)

Substance name	Value(s)	CAS nr	EINECS nr	EC index	REACH	CERTIFICATE
Sodiumacrylate	: 30 - 40 %	7446-81-3	----	----	----	Xi; R36/37/38 ----- Eye irrit 2 Skin Irrit. 2 STOT SE 3
methoxypolyethyleneglycol monomethacrylate	: 1 - 10 %	26915-72-0	----	----	----	Not classified. (DSD/DPD) ----- Not classified. (GHS)
Polyethyleneglycoldimethacrylate	: 1 - 10 %	25852-47-5	----	----	----	Xi; R36/38 ----- Eye irrit 2 Skin Irrit. 2 STOT SE 3

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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** : Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse.
- **Eye contact** : Rinse immediately with plenty of water. Obtain medical attention if pain, blinking, tears or redness persist.
- **Ingestion** : Rinse mouth. If swallowed, seek medical advice immediately and show this container or label.

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.
- **Skin contact** : Redness, pain.
- **Eye contact** : Redness, pain. Blurred vision. Tears.
- **Ingestion** : Swallowing of this product presents some health hazard. Must not come into contact with food or be consumed.

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** : None necessary.
- **Not to be used** : No special requirements.

5.2. Special hazards arising from the substance or mixture

On exposure to high temperature, may decompose, releasing toxic gases.

5.3. Advice for fire-fighters

- Flammable class** : Combustible after evaporation of all water.
- 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

Spill should be handled by trained cleaning personnel properly equipped with respiratory and eye protection.

6.2. 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.

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SECTION 6. Accidental release measures (continued)

6.4. Reference to other sections

See section 8 and 13.

SECTION 7. Handling and storage

7.1. Precautions for safe handling

- Personal protection** : Ensure prompt removal from eyes, skin and clothing.
Avoid all unnecessary exposure.
- 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.
- 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)

See technical datasheet.

SECTION 8. Exposure controls/personal protection

8.1. Control parameters

- Personal protection**
- **Respiratory protection** : Organic Vapour Filters - Class 2 Conforms to EN 141
 - **Skin protection** : Total impervious protective suits, gloves, and boots must be worn.
 - **Eye protection** : Chemical goggles.
 - **Hand protection** : Use neoprene or rubber gloves.
 - **Ingestion** : When using, do not eat, drink or smoke.
- Industrial hygiene** : Provide local exhaust or general room ventilation.

8.2. Occupational Exposure Limits

No data available.

SECTION 9. Physical and chemical properties

9.1. Information on basic physical and chemical properties

- **Physical state** : Liquid.
- **Colour** : Violet - pink
- **Odour** : Characteristic.
- **Odour threshold** : No data available.
- **pH** : 6.5 - 8
- **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** : No data available.

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SECTION 9. Physical and chemical properties (continued)

- **Explosion limits (lower - upper)** : No data available.
- **Vapour pressure** : No data available.
- **Vapour density** : No data available.
- **Density** : 1.15 g/ml
- **Solubility** : Soluble material/quickly disperses in water.
- **Partition coefficient : n-octanol / water** : No data available.
- **Auto-ignition temperature** : Not auto-ignitable.
- **Thermal decomposition** : No data available.
- **Viscosity** : 19 mPas (20 °C)
- **Explosive Properties** : Not explosive.
- **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

In the presence of radical forming substances (f.e. peroxides, reducing substances and/or metal ions), a polymerisation with heat dissipation is possible.

10.4. Conditions to avoid

High temperatures.

10.5. Incompatible materials

Radical forming substances, reducing agents and metal ions.

10.6. Hazardous decomposition products

No decomposition if used according to specifications.

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

Minimally biodegradable.

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SECTION 12. Ecological information (continued)

12.3. Bioaccumulative potential

Bioaccumulation is not probable.

12.4. Mobility in soil

Prevent penetration in the soil, waters and sewers.

12.5. Results of PBT and vPvB assessment

No data available.

12.6. Other adverse effects

No data available.

SECTION 13. Disposal considerations

13.1. Waste treatment methods

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

SECTION 14. Transport information

General information : Not classified.

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

IC50: The half maximal Inhibitory Concentration

EC50: The half maximal Effective Concentration

Text of R-Phrases in § 3 : R36/37/38 - Irritating to eyes, respiratory system and skin.
R36/38 - Irritating to eyes and skin.**Further information** : None.

DISCLAIMER OF LIABILITY

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SECTION 16. Other information (continued)

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The contents and format of this SDS are in accordance with REGULATION (EC) No 453/2010 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL

End of document

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