



MATERIAL SAFETY DATA SHEET

Page : 1 / 6

Revision nr : 1

Date : 12 / 8 / 2011

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PC 509 Z RUBBER ACRYL STRENGTHENER

**PC 509 Z R ACRYL
STR**

Producer

ECC N.V.
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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 RUBBER ACRYL STRENGTHENER.

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

Use : Polymer blend reinforcing agent

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

Not regulated.

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

Not regulated.

2.2. Label elements

Labelling EC 67/548 or EC 1999/45

Not regulated.

Labelling Regulation EC 1272/2008 (CLP)

Not regulated.

2.3. Other hazards

None under normal conditions.

SECTION 3. Composition/information on ingredients

This product is not considered to be hazardous and does not contain hazardous components.

SECTION 4. First aid measures

4.1. Description of first aid measures

First aid

- Inhalation : Assure fresh air breathing.

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MATERIAL SAFETY DATA SHEET

Page : 2 / 6

Revision nr : 1

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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.
- Ingestion : Obtain 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.
- 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 : Alcohol resistant foam.
Carbon dioxide.
Water fog.
Dry chemical.
- Not to be used : Do not use a heavy water stream.

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 : Not 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

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

6.2. Environmental precautions

Notify authorities if product enters sewers or public waters.
Prevent entry to sewers and public waters.

6.3. Methods and material for containment and cleaning up

- After spillage and/or leakage : Sweep or shovel spills into appropriate container for disposal.

6.4. Reference to other sections

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MATERIAL SAFETY DATA SHEET

Page : 3 / 6

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SECTION 6. Accidental release measures (continued)

See section 8 and 13.

SECTION 7. Handling and storage

7.1. Precautions for safe handling

- General** : Keep away from sources of ignition - No smoking.
- 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.
- Technical protective measures** : Both local exhaust and general room ventilation are usually required.
- Precautions in handling and storage** : Store and handle as though always a serious potential fire/explosion and health hazard exists.

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** : Skin protection appropriate to the conditions of use should be provided. Avoid repeated or prolonged skin contact.
 - **Eye protection** : Chemical goggles or safety glasses.
 - **Hand protection** : Use neoprene or rubber gloves.
- 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

- **Appearance**
- **Physical state** : Liquid.
- **Colour** : White (Milk-like).
- **Odour** : Characteristic.
- **Odour threshold** : No data available.
- **pH** : 7 - 8 (23 °C)
- **Melting point / Freezing point** : 0 °C
- **Final boiling point [°C]** : 100 °C
- **Flash point** : No data available.

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MATERIAL SAFETY DATA SHEET

Page : 4 / 6

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**PC 509 Z R ACRYL
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SECTION 9. Physical and chemical properties (continued)

- **Evaporation rate** : No data available.
- **Flammability** : No data available.
- **Explosion limits (lower - upper)** : No data available.
- **Vapour pressure** : 23 mbar
- **Density** : 1,04 g/ml
- **Solubility** : Miscible in water.
- **Partition coefficient : n-octanol / water** : No data available.
- **Auto-ignition temperature** : Not auto-ignitable.
- **Thermal decomposition** : No data available.
- **Viscosity** : 50 - 250 mPas (23°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

Hazardous reactions : Bases.
Strong oxidizing agents.
Strong acids.

10.4. Conditions to avoid

No data available.

10.5. Incompatible materials

Nitrates

10.6. Hazardous decomposition products

No data available.

Hazardous decomposition products : Carbon monoxide.
Nitrogen oxides.
Carbon dioxide.

SECTION 11. Toxicological information

11.1. Information on toxicological effects

Rat oral LD50 [mg/kg] : > 2000 - 10000

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MATERIAL SAFETY DATA SHEET

Page : 5 / 6

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SECTION 12. Ecological information

12.1. Toxicity

48 Hour-EC50 - Daphnia magna [mg/l] : 947

IC50 72h Algae [mg/l] : > 5000

LC50-96 Hour - fish [mg/kg] : 5600

12.2. Persistence - degradability

Biodegradable.

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 : Avoid release to the environment.

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

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SECTION 16. Other information (continued)

LD50: Lethal dose, 50 percent
IC50: The half maximal Inhibitory Concentration
EC50: The half maximal Effective Concentration

Further information

: None.

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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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