



MATERIAL SAFETY DATA SHEET

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Revision nr : 1

Date : 23 / 4 / 2010

Supersedes : 0 / 0 / 0

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

Xn : Harmful



O : Oxidizing



5.1 : Oxidizing substances.

Danger**Producer**

ECC N.V.
Terbekehofdreef 50 - 52
2610 WILRIJK Belgique-Belgie
Tel.: +32 3 828 94 95
Fax: +32 3 830 27 69
www.ecc-belgium.be
E-mail : info@ecc-belgium.be
Emergency phone : +32 3 828 94 95

Responsible for distribution

TRADECC N.V.
Terbekehofdreef 50 - 52
2610 WILRIJK Belgique-België
Tel.: +32 3 828 94 95
Fax: +32 3 830 27 69
www.tradecce.be
E-mail : info@tradecce.be

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

Identification of the product : Powder.
Trade name : PC 509 Z ACRYL INIT.

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

Use : initiator

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**

O; R8
Xn; R22
Xi; R36/37/38
R42/43

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

- **Health hazards**
 - : Acute toxicity, Oral - Category 4 - Warning (CLP : Acute Tox. 4)
 - Skin irritation - Category 2 - Warning
 - Eye irritation - Category 2A - Warning (CLP : Eye Irrit. 2)
 - Respiratory sensitization - Category 1 - Danger (CLP : Resp. Sens. 1)
 - Skin sensitisation - Category 1 - Warning (CLP : Skin Sens. 1)
 - Specific Target Organ Toxicity - Single exposure - Respiratory tract irritation - Category 3 - Warning (CLP : STOT SE 3)

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SECTION 2. Hazards identification (continued)

• Physical hazards : Oxidizing solids - Category 1 - Danger (CLP : Ox. Sol. 1)

2.2. Label elements

Labelling EC 67/548 or EC 1999/45

• Symbol(s)



: Harmful.
Oxidizing.

• R Phrase(s)

: R08 - Contact with combustible material may cause fire.
R22 - Harmful if swallowed.
R36/37/38 - Irritating to eyes, respiratory system and skin.
R42/43 - May cause sensitization by inhalation and skin contact.

• S Phrase(s)

: S22 - Do not breathe dust.
S24 - Avoid contact with skin.
S37 - Wear suitable gloves.
S45 - In case of accident or if you feel unwell, seek medical advice immediately (show the label when possible).

Labelling Regulation EC 1272/2008 (CLP)

• Hazard pictograms



• Hazard pictograms code

: SGH03 - SGH08

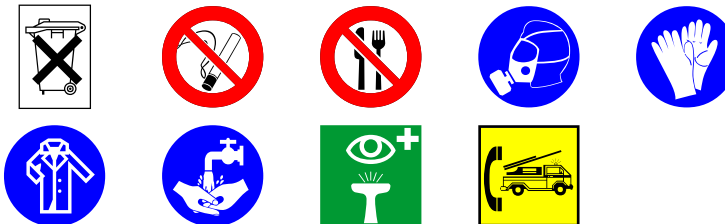
• Signal words

: Danger

• Hazard statements

: H271 - May cause fire or explosion; strong oxidiser.
H302 - Harmful if swallowed.
H319 - Causes serious eye irritation.
H315 - Causes skin irritation.
H335 - May cause respiratory irritation.
H317 - May cause an allergic skin reaction.
H334 - May cause allergy or asthma symptoms or breathing difficulties if inhaled.

• Pictograms (Precautionary statements)



• Precautionary statements

- Prevention

: P221 - Take any precaution to avoid mixing with combustibles...
P280 - Wear protective gloves/protective clothing/eye protection/face protection.
P210C - Keep away from heat.

- Response

: P301+P312+P330 - IF SWALLOWED : Call a POISON CENTER or doctor if you feel unwell. Rinse mouth.
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+P341 - IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.



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SECTION 2. Hazards identification (continued)

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.
P306+P360 - IF ON CLOTHING: rinse immediately contaminated clothing and skin with plenty of water before removing clothes.
P371+P380+P375 - In case of major fire and large quantities: Evacuate area. Fight fire remotely due to the risk of explosion.
P378 - Use for extinction : All extinguishing media can be used.

- **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 : Sodium persulphate
CAS nr :007775-27-1
EINECS nr :231-892-1
EC index :---

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
Sodium persulphate	100 %	7775-27-1	231-892-1	-----	-----	O; R8 Xn; R22 Xi; R36/37/38 R42/43 ----- Ox. Sol. 1 Resp. Sens. 1 Acute Tox. 4 (oral) Eye Irrit. 2 Skin Irrit. 2 STOT SE 3 Skin Sens. 1

Other information : Contains no other components or impurities which will influence the classification of the product.

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** : DO NOT INDUCE VOMITING.
Take to hospital.
Give water to drink.

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.

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SECTION 4. First aid measures (continued)

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** : Fight fire from safe distance and protected location.
- Suitable : Foam. Water.
- Not to be used : Sawdust.
Carbon dioxide.

5.2. Special hazards arising from the substance or mixture

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

- Special exposure hazards** : Potentially combustible ingredients may ignite, causing fire to spread, increasing risk of burns or injuries.

5.3. Advice for fire-fighters

- Flammable class** : Contact with combustible material may cause fire. Oxidizing.
Protection against fire : Wear self-contained breathing apparatus, rubber boots and thick rubber gloves. 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** : Do not use : Sawdust.
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

- General** : Keep away from sources of ignition - No smoking.
Personal protection : Avoid all unnecessary exposure.
Handling : Keep away from food, drink and animal feeding stuffs.
Personal protection : 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.

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SECTION 7. Handling and storage (continued)

- 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. Do not store in aluminium, galvanized or other corrodable containers.

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

- TLV-TWA [mg/m³]** : 0.1 /8h

SECTION 9. Physical and chemical properties

9.1. Information on basic physical and chemical properties

- **Physical state** : Powder.
- **Colour** : White.
- **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** : No data available.
- **Explosion limits (lower - upper)** : No data available.
- **Vapour pressure** : No data available.
- **Vapour density** : No data available.
- **Density** : 2
- **Solubility** : In water, material soluble.
- **Partition coefficient : n-octanol / water** : No data available.

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SECTION 9. Physical and chemical properties (continued)

- Auto-ignition temperature : Not auto-ignitable.
- Thermal decomposition : No data available.
- Viscosity : Not applicable.
- 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 properties : May accelerate the burning of other combustible materials.

10.4. Conditions to avoid

All heat sources.

Moisture.

10.5. Incompatible materials

Solvent. Sawdust. Oil. Oxidizing agent. Reducing agents. Bases. Acids. Moisture. All heat sources.

10.6. Hazardous decomposition products

High temperatures and chemical contamination may liberate gaseous oxygen causing hazardous pressure climb.

SECTION 11. Toxicological information

11.1. Information on toxicological effects

Toxicity information : Irritating to eyes. Irritating to respiratory system. Irritating to skin.**Rat dermal LD0 [mg/kg]** : 10000**Rat oral LD50 [mg/kg]** : > 800**Rat inhalation LC0 [mg/l]** : 191.7

SECTION 12. Ecological information

12.1. Toxicity

On product

48 H-CE50 - Daphnia magna [mg/l] : 133**LC50-96 Hour - fish [mg/l]** : 771 (Oncorhynchus mykiss)

12.2. Persistence - degradability

Not applicable.

12.3. Bioaccumulative potential

No data available.

12.4. Mobility in soil

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SECTION 12. Ecological information (continued)

Prevent penetration in the soil, waters and sewers.

12.5. Results of PBT and vPvB assessment

No data available.

12.6. Other adverse effects

WGK class (Germany) : 1

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

- UN No. : 1505
- H.I. nr : 50
- Proper shipping name : SODIUM PERSULPHATE
- Hazard Label(s)



: 5.1 : Oxidizing substances.

Land transport

- ADR Class : 5.1
- ADR Packing group : III

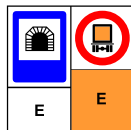
Sea transport

- IMO-IMDG code : Class 5.1
- IMO Packing group : III
- IMDG-Marine pollution : NO
- EMS-Nr : F-A S-Q

Air transport

- ICAO/IATA : Packaging instructions cargo : 518
Packaging instructions passenger: 516
- Proper shipping name : SODIUM PERSULPHATE
- IATA - Class or division : 5.1
- 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.

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SECTION 14. Transport information (continued)

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

IC50: The half maximal Inhibitory Concentration

EC50: The half maximal Effective Concentration

Text of R-Phrases in § 3 : R08 - Contact with combustible material may cause fire.
R22 - Harmful if swallowed.
R36/37/38 - Irritating to eyes, respiratory system and skin.
R42/43 - May cause sensitization by inhalation and skin contact.

Further information : None.

DISCLAIMER OF LIABILITY

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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

ECC N.V.

Terbekehofdreef 50 - 52 2610 WILRIJK Belgique-Belgie

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