



STYROZYD ECO

SAFETY DATA SHEET

According to Regulation (EC) No 1907/2006 (REACH), Annex II, as amended by Regulation (EU) 2020/878

Product: C2 Adhesive

Classification: C2 T S1

Version: 1.0

Date of Issue: 07 July 2026

SECTION 1: Identification of the Substance/Mixture and of the Company/Undertaking

1.1 Product Identifier

Trade Name: C2 Adhesive

Product Classification

C2 T S1

Product Type

Improved cementitious adhesive with reduced slip and deformability in accordance with the product classification.

Intended Use

Cementitious adhesive intended for professional and general construction applications, including:

- Installation of ceramic tiles;
- Porcelain stoneware tiles;
- Natural stone (under suitable application conditions);
- Bonding facing materials onto mineral substrates.



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Suitable for both interior and exterior applications when used in accordance with the manufacturer's technical instructions.

Uses Advised Against

Use outside the intended purpose without prior risk assessment is not recommended.

1.2 Relevant Identified Uses

- Construction and renovation works.
- Bonding ceramic tiles and facing materials.
- Professional use by construction operators.
- Consumer use when the safety instructions are followed.

1.3 Details of the Supplier of the Safety Data Sheet

Manufacturer

STYROZYD ECO Ltd.

10 Prodan Tarakchiev Str., Floor 2

Iskar District

1540 Sofia

Bulgaria

E-mail

info@styrozyd.com



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1.4 Emergency Telephone Number

112

SECTION 2: Hazards Identification

2.1 Classification of the Mixture

The product is a dry cement-based construction mixture.

According to Regulation (EC) No 1272/2008 (CLP), the mixture is classified as hazardous.

Classification

Skin Irrit. 2 – H315

Causes skin irritation.

Eye Dam. 1 – H318

Causes serious eye damage.

STOT SE 3 – H335

May cause respiratory irritation.

2.2 Label Elements

Signal Word

DANGER

Hazard Pictograms

- **GHS05 – Corrosion**
- **GHS07 – Exclamation Mark**



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Hazard Statements

H315

Causes skin irritation.

H318

Causes serious eye damage.

H335

May cause respiratory irritation.

Precautionary Statements

P102

Keep out of reach of children.

P261

Avoid breathing dust.

P280

Wear protective gloves and eye protection.

P302 + P352

IF ON SKIN:

Wash with plenty of water.

P305 + P351 + P338

IF IN EYES:

Rinse cautiously with water for several minutes.



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Remove contact lenses, if present and easy to do.

Continue rinsing.

P310

Immediately call a **POISON CENTRE** or physician.

SECTION 3: Composition / Information on Ingredients

Mixture

Dry cement-based mineral construction mixture.

Component	Content
Portland Cement CEM I 42.5R	35-45%
Limestone (Calcium Carbonate)	60-70 %
Redispersible Polymer Powder	5-15 %

Principal Hazardous Component

Portland Cement CEM I 42.5R

When mixed with water, Portland cement forms a strongly alkaline reaction medium.

The redispersible polymer improves the adhesion, flexibility and overall technical performance of the adhesive.

SECTION 4: First Aid Measures

4.1 Description of First Aid Measures

Inhalation

Remove the affected person to fresh air.



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Seek medical attention if symptoms occur or persist.

Skin Contact

Remove contaminated clothing.

Wash the affected skin thoroughly with plenty of water.

Eye Contact

Immediately rinse cautiously with clean running water for at least **15 minutes**.

Seek immediate medical attention.

Ingestion

Rinse the mouth thoroughly with water.

Do **not** induce vomiting.

Seek medical attention immediately.

SECTION 5: Firefighting Measures

5.1 Extinguishing Media

The product is **non-combustible**.

Suitable extinguishing media:

- Water
- Dry chemical powder
- Foam
- Carbon dioxide (CO₂)



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5.2 Special Hazards Arising from the Substance or Mixture

No hazardous combustion or decomposition products are expected under normal fire conditions.

5.3 Advice for Firefighters

Use extinguishing media appropriate to the surrounding fire.

Wear suitable personal protective equipment where necessary.

SECTION 6: Accidental Release Measures

6.1 Personal Precautions, Protective Equipment and Emergency Procedures

- Avoid the formation and dispersion of dust.
 - Wear appropriate personal protective equipment.
 - Ensure adequate ventilation of the affected area.
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6.2 Environmental Precautions

Prevent the product from entering:

- drains;
 - sewage systems;
 - surface waters;
 - groundwater.
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6.3 Methods and Material for Containment and Cleaning Up

Collect the spilled material mechanically.

Avoid generating airborne dust during clean-up.

Dispose of the collected material in accordance with applicable local regulations.

SECTION 7: Handling and Storage

7.1 Precautions for Safe Handling

- Avoid contact with eyes and skin.
 - Do not breathe dust.
 - Use appropriate personal protective equipment.
 - Observe good occupational hygiene practices.
 - Wash hands thoroughly after handling.
 - Do not eat, drink or smoke while using the product.
-

7.2 Conditions for Safe Storage, Including Any Incompatibilities

Store:

- in a dry and well-ventilated area;
- in the original tightly closed packaging;
- protected from moisture.

Avoid contact with water before use.

Keep containers tightly closed.

SECTION 8: Exposure Controls / Personal Protection

8.1 Control Parameters



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Observe the applicable national occupational exposure limits for cement dust and respirable dust.

8.2 Exposure Controls

Appropriate Engineering Controls

Ensure adequate workplace ventilation.

Minimise dust generation during handling and mixing.

Individual Protection Measures

Respiratory Protection

Where dust is generated, wear a filtering half-mask complying with **EN 149**, protection class **FFP2** or **FFP3**.

Eye Protection

Wear safety goggles complying with **EN 166**.

Hand Protection

Wear alkali-resistant protective gloves suitable for prolonged contact with cement-based products.

Body Protection

Wear appropriate protective work clothing and suitable safety footwear.



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Remove contaminated clothing before reuse.

Hygiene Measures

Wash hands and exposed skin thoroughly after handling.

Avoid prolonged skin contact with wet mortar.

Do not eat, drink or smoke while handling the product.

Environmental Exposure Controls

Prevent uncontrolled release into drains, surface waters and soil.

Dispose of waste material in accordance with applicable environmental legislation.

SECTION 9: Physical and Chemical Properties

9.1 Information on Basic Physical and Chemical Properties

Physical State

Powder.

Colour

Grey / White (depending on the raw materials used).

Odour

Characteristic cement odour.



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Solubility

Reacts with water.

pH (after mixing with water)

Alkaline (approximately **11–13**).

9.2 Other Information

No additional relevant information available.

SECTION 10: Stability and Reactivity

10.1 Reactivity

The product reacts with water to form an alkaline cementitious mortar.

10.2 Chemical Stability

The product is stable under normal storage conditions.

10.3 Possibility of Hazardous Reactions

No hazardous reactions are expected when the product is handled and stored in accordance with the manufacturer's recommendations.



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10.4 Conditions to Avoid

Avoid:

- contact with water before use;
 - prolonged storage under conditions of high humidity.
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10.5 Incompatible Materials

Avoid contact with strong acids and prolonged exposure to moisture before use.

10.6 Hazardous Decomposition Products

No hazardous decomposition products are expected under normal conditions of storage and use.

SECTION 11: Toxicological Information

11.1 Information on Hazard Classes as Defined in Regulation (EC) No 1272/2008

Acute Toxicity

Based on available data, the mixture is not classified for acute toxicity.

Skin Corrosion / Irritation

Causes skin irritation.

Prolonged contact of the wet mortar with the skin may cause alkaline burns.



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Serious Eye Damage / Eye Irritation

Causes serious eye damage.

Immediate rinsing and prompt medical attention are required in the event of eye contact.

Respiratory Irritation

Dust generated during handling or mixing may cause irritation of the respiratory tract.

Skin Sensitisation

No known sensitising effects under normal conditions of use.

Germ Cell Mutagenicity

No available data indicate mutagenic effects.

Carcinogenicity

No available data indicate carcinogenic effects.

Reproductive Toxicity

No known adverse effects.



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Specific Target Organ Toxicity – Single Exposure (STOT SE)

May cause respiratory irritation.

Specific Target Organ Toxicity – Repeated Exposure (STOT RE)

No known adverse effects under normal conditions of use.

Aspiration Hazard

Not applicable.

SECTION 12: Ecological Information

12.1 Toxicity

No significant adverse effects on the environment are expected when the product is used as intended.

12.2 Persistence and Degradability

No specific data are available.

After mixing with water, the product hardens and becomes an inert mineral material.

12.3 Bioaccumulative Potential

Bioaccumulation is not expected.



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12.4 Mobility in Soil

Avoid uncontrolled release into:

- soil;
- drainage systems;
- surface waters.

12.5 Results of PBT and vPvB Assessment

The mixture does not contain substances assessed as **Persistent, Bioaccumulative and Toxic (PBT)** or **very Persistent and very Bioaccumulative (vPvB)**.

12.6 Endocrine Disrupting Properties

The mixture does not contain substances known to have endocrine-disrupting properties according to the applicable legislation.

12.7 Other Adverse Effects

No additional adverse environmental effects are known.

Avoid releasing large quantities of the product into soil, drainage systems or watercourses.

SECTION 13: Disposal Considerations

13.1 Waste Treatment Methods

Residual product shall be disposed of as construction and demolition waste in accordance with the applicable national legislation.

Hardened material may be disposed of as inert construction waste.

Do not dispose of the product into drains, surface waters or soil.



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Empty packaging should be completely emptied before recycling or disposal.

SECTION 14: Transport Information

The product is **not classified as dangerous goods** in accordance with the following transport regulations:

- **ADR** – European Agreement concerning the International Carriage of Dangerous Goods by Road;
 - **RID** – Regulations concerning the International Carriage of Dangerous Goods by Rail;
 - **IMDG Code** – International Maritime Dangerous Goods Code;
 - **ICAO / IATA** – Technical Instructions for the Safe Transport of Dangerous Goods by Air.
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14.1 UN Number

Not applicable.

14.2 UN Proper Shipping Name

Not applicable.

14.3 Transport Hazard Class(es)

Not applicable.

14.4 Packing Group

Not applicable.



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14.5 Environmental Hazards

The product is not classified as environmentally hazardous for transport.

14.6 Special Precautions for User

Protect the product from moisture during transport.

Transport only in the original, properly sealed and undamaged packaging.

14.7 Maritime Transport in Bulk According to IMO Instruments

Not applicable.

SECTION 15: Regulatory Information

15.1 Safety, Health and Environmental Regulations / Legislation Specific for the Substance or Mixture

The product is subject to the requirements of the following legislation:

- **Regulation (EC) No 1907/2006 (REACH);**
 - **Regulation (EC) No 1272/2008 (CLP);**
 - **Commission Regulation (EU) 2020/878;**
 - Applicable national legislation on occupational health and safety.
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15.2 Chemical Safety Assessment

A chemical safety assessment has **not** been carried out for this mixture.



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SECTION 16: Other Information

This Safety Data Sheet has been prepared on the basis of the available information concerning the composition and intended use of the product.

The information contained herein is intended to support the safe handling, transport, storage, use and disposal of the product.

It does **not** constitute a guarantee of the product's technical characteristics or suitability for any specific application.

The user is responsible for ensuring that the product is used in accordance with the manufacturer's technical instructions, applicable legislation and established safety practices.

Manufacturer

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