STYROZYD ECO

SAFETY DATA SHEET

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

Product: Flex Adhesive
Classification: C2TE
Version: 1.0
Issue Date: 07.07.2026

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

1.1 Product Identifier

Trade Name: Flex Adhesive

Product Classification: C2TE (Improved cementitious adhesive with reduced slip and extended open time)

Product Type: Dry cement-based construction mixture.

Intended Use

Adhesive for fixing ceramic tiles, porcelain stoneware, porcelain slabs, and other facing materials onto stable mineral substrates for interior and exterior construction applications.

Uses Advised Against

Do not use for purposes other than those intended.

1.2 Relevant Identified Uses

- Construction and installation works;

- Bonding ceramic and porcelain tiles;
- Wall and floor tiling;
- Professional and non-professional use.

1.3 Details of the Supplier of the Safety Data Sheet

Manufacturer:
Styrozyd Eco Ltd.
1540 Sofia
Iskar District
10 Prodan Tarakchiev Str., Floor 2
E-mail: info@styrozyd.com

1.4 Emergency Telephone Number

112

SECTION 2: Hazard Identification

2.1 Classification according to Regulation (EC) No 1272/2008 (CLP)

The mixture contains Portland cement and is classified as:

- **Skin Irrit. 2 – H315**
  Causes skin irritation.
- **Eye Dam. 1 – H318**
  Causes serious eye damage.
- **STOT SE 3 – H335**
  May cause respiratory irritation.

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2.2 Label Elements

Signal Word: DANGER

Hazard Pictograms

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

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.

P264 – Wash hands thoroughly after handling.

P280 – Wear protective gloves, protective clothing and eye protection/face protection.

P302+P352 – IF ON SKIN: Wash with plenty of water.

P304+P340 – IF INHALED: Remove person to fresh air and keep comfortable for breathing.

P305+P351+P338 – IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P310 – Immediately call a POISON CENTER or doctor/physician.

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SECTION 3: Composition / Information on Ingredients

Dry mineral construction mixture.

Component	Content
Portland Cement CEM I 42.5R	25-35%
Limestone (Calcium Carbonate)	55-65%
Cellulose Ether	1-5%
Redispersible Polymer Powder	1-5%

The principal hazardous component is Portland cement, which forms a highly alkaline solution upon contact with water.

Cellulose ether improves water retention and workability.

The redispersible polymer powder improves adhesion, deformability, and the mechanical properties of the adhesive.

SECTION 4: First Aid Measures

Inhalation

Move the affected person to fresh air. Seek medical attention if symptoms persist.

Skin Contact

Wash thoroughly with soap and water. Remove contaminated clothing.

Eye Contact

Immediately rinse with running water for at least 15 minutes. Seek immediate medical attention.

Ingestion

Rinse mouth with water. Do **not** induce vomiting. Seek medical attention.

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SECTION 5: Firefighting Measures

The product is **not combustible**.

Suitable Extinguishing Media

- Water;
- Carbon dioxide (CO_2);
- Dry chemical powder;
- Foam.

No hazardous decomposition products are expected in the event of fire.

SECTION 6: Accidental Release Measures

- Avoid the formation of dust.
- Ensure adequate ventilation.
- Wear appropriate personal protective equipment.
- Collect spilled material mechanically.
- Prevent entry into drains, sewers, and watercourses.

SECTION 7: Handling and Storage

Handling

- Avoid contact with eyes and skin.
- Do not breathe dust.
- Do not eat, drink or smoke while using this product.

Storage

Store:

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

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SECTION 8: Exposure Controls / Personal Protection

Respiratory Protection

Where dust is generated, wear an **FFP2 or FFP3 filtering half-mask**.

Eye Protection

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

Hand Protection

Wear alkali-resistant protective gloves (e.g. nitrile or PVC).

Body Protection

Wear protective work clothing with long sleeves and safety footwear.

SECTION 9: Physical and Chemical Properties

Physical state: Powder.

Colour: Grey.

Odour: Slight, characteristic.

Solubility: Reacts with water.

pH (after mixing with water): Approximately **11–13**.

SECTION 10: Stability and Reactivity

The product is stable under the recommended storage conditions.

Avoid:

- contact with water before use;
- high humidity;
- prolonged storage in opened containers.

SECTION 11: Toxicological Information

Possible effects:

- Skin irritation;
- Serious eye damage;
- Respiratory tract irritation due to dust inhalation.

Prolonged contact with the wet mixture may cause **alkaline skin burns**.

SECTION 12: Ecological Information

When used correctly, the product does not present a significant risk to the environment.

Avoid releasing large quantities into surface water or groundwater.

SECTION 13: Disposal Considerations

Dispose of unused product and packaging in accordance with applicable national legislation.

Hardened material may be disposed of as construction waste.

SECTION 14: Transport Information

The product is **not classified as dangerous goods** under:

- ADR;
- RID;
- IMDG;
- ICAO/IATA.

SECTION 15: Regulatory Information

Applicable legislation:

- Regulation (EC) No. 1907/2006 (REACH);
- Regulation (EC) No. 1272/2008 (CLP);
- Commission Regulation (EU) 2020/878;
- National occupational health and safety regulations applicable to construction products.

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 is intended to assist in the safe transport, storage, handling, use and disposal of the product and shall not be considered a guarantee of its technical performance or specific properties.

Manufacturer

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