

# PRO-580 DRYWALL ADHESIVE SAFETY DATA SHEET

## SECTION 1: IDENTIFICATION OF THE SUBSTANCE OR MIXTURE AND OF THE COMPANY OR UNDERTAKING

### 1.1 Product Identifier:

PRO-580 Drywall Adhesive

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

Glue/adhesive mortar - a product for industrial, technical and private use, mixed with water and subsequently processed on buildings.

Sector of use: SU19 Building and construction work. Product category: PC9b Fillers, putties, plasters, modelling clay. Process categories: PROC11 (non-industrial spraying), PROC19 (manual activities involving hand contact). Article category: AC4 Stone, plaster, cement, glass and ceramic articles.

Uses advised against: all uses other than those identified above are not recommended.

### 1.3 Details of the supplier of the safety data sheet:

#### Manufacturer:

EWI Pro Insulation Systems Ltd  
Unit 1-2, King Georges Trading Estate, Davis Road, Chessington, England, KT9 1TT  
0800 133 7072  
info@ewipro.com  
technical@ewipro.com

#### Producer:

KREISEL Slovensko s.r.o., Železničná 932, 900 55 Lozorno, Slovakia  
Tel. +421 (0)2 6010 2411  
Fax +421 (0)2 6596 8221  
odbyt@kreisel.sk  
kreisel.sk

### 1.4 Emergency phone number:

Environment Agency Emergency Hotline: +44/(0)800 80 70 60

National Poisons Information Service: 0344 892 0111

NHS (non-emergency): 111

Emergency Services (UK): 999

EWI Pro: 0800 133 7072



## SECTION 2: HAZARDS IDENTIFICATION

### 2.1 Classification of the substance or mixture:

The product is not classified according to the GB CLP Regulation (Regulation (EC) No 1272/2008).

### 2.2 Description of hazards:

The product is not classified as hazardous according to the GB CLP Regulation (Regulation (EC) No 1272/2008 as retained in GB law). No hazard pictograms, signal word or hazard statements are required.

Other hazards: The proportion of respirable crystalline silica (RCS) is below 1%. Dust from the dry mixture can cause respiratory irritation. Frequent inhalation of large amounts of dust increases the risk of developing lung diseases. The use of breathing protection is advisable.

PBT: This substance/mixture contains no components classified as persistent, bioaccumulative and toxic (PBT) at levels of 0.1% or higher.

vPvB: This substance/mixture contains no components classified as very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

Endocrine disruptors: This mixture does not contain components with endocrine-disrupting properties according to Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at concentrations of 0.1% or higher as retained in GB law.

### Precautionary Statements:

Observe the general safety regulations when handling chemicals.

## SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

### 3.1 Composition:

→ This product is a mixture of inorganic binders, fillers and non-hazardous additions.

### 3.2 Hazardous Substances:

#### Main Components:

CAS	EC	Name	Content by weight %	Classification according to Regulation (EU) 1272/2008
7778-18-9	231-900-3	Calcium sulphate, various hydrates (CaSO <sub>4</sub> x (0-2) H <sub>2</sub> O)	50 - <100%	REACH: 01-2119444918-26
14808-60-7	238-878-4	Silicon dioxide (<1% respirable crystalline silica) - substance with a Community workplace exposure limit	10 - 25%	Not classified
1317-65-3	215-279-6	Limestone (calcium carbonate) - substance with a Community workplace exposure limit	1 - 2.5%	Not classified

### Additional information:

For the wording of the listed hazard phrases refer to section 16.

<sup>1</sup> Not subject to registration in accordance with EC 1907/2006 Annex V (point 7) or Article 2



## SECTION 4: FIRST AID MEASURES

### 4.1 Description of first aid measures:

→ General information: For first responders no special personal protective equipment is required. First responders should avoid contact with the product.

After inhalation: Remove the dust source and provide fresh air, or move the person into fresh air. If discomfort, cough or persistent irritation occurs, seek medical attention.

After skin contact: Rinse with warm water. Generally the product does not irritate the skin.

After eye contact: Do not rub the eyes, as mechanical stress can cause additional damage. If necessary, remove contact lenses and flush the eye immediately while holding the eyelids open with water for at least 20 minutes; if possible use an isotonic eyewash solution (e.g. 0.9% NaCl). Always consult an occupational physician or ophthalmologist.

After swallowing: Do not induce vomiting. If conscious, rinse the mouth with water and drink plenty of water. Consult a physician or poison control centre.

### 4.2 Main symptoms and effects, acute and delayed:

→ Symptoms and effects are described in Sections 2 and 11. No further relevant information available.

### 4.3 Indications for medical attention and special treatments to be administered immediately:

If a physician is to be consulted, this safety data sheet should be presented where possible.

## SECTION 5: FIRE-FIGHTING MEASURES

### 5.1 Extinguishing media:

The mixture is not flammable, either as delivered or in the mixed condition. Extinguishing media and firefighting measures should therefore be adapted to the surrounding fire.

### 5.2 Specific hazards arising from the mixture:

This product is neither explosive nor flammable, and is non-oxidising towards other materials. Inorganic dust can be released in the event of a fire. Avoid the formation of dust.

### 5.3 Advice for firefighters:

No special measures required. Collect contaminated firefighting water separately; it must not enter the sewage system. Dispose of fire debris and contaminated firefighting water in accordance with official regulations.

## SECTION 6: ACCIDENTAL RELEASE MEASURES

### 6.1 Personal Precautions, Protective Equipment and Emergency Procedures:

#### 6.1.1. For non-emergency personnel:

Avoid the formation of dust. Avoid inhalation and contact with the eyes and skin. Where appropriate, refer to the exposure controls and personal protection measures in Section 8.

#### 6.1.2. For emergency personnel:

Use personal protective equipment as described in Section 8. Avoid the formation of dust and avoid inhalation.

### 6.2 Precautions for the environment:

Do not allow undiluted product or large quantities of it to reach ground water, water courses or the sewage system.

### 6.3 Methods and material for containment and cleaning:

Collect spilled dry material in the dry state and re-use if possible. Avoid the formation of dust. For cleaning use at least an industrial vacuum cleaner of dust class M (DIN EN 60335-2-69). Do not dry sweep and never use compressed air for cleaning. If dust is formed during dry cleaning, personal protective equipment must be used; avoid inhalation of dust and contact with skin. Dispose of the collected material according to regulations. Allow mixed mortar to solidify and dispose of it (see Section 13.1).

### 6.4 Reference to other sections:

See Section 7 for information on safe handling, Section 8 for personal protective equipment and Section 13 for disposal information.

## SECTION 7: HANDLING AND STORAGE

### 7.1 Precautions for Safe Handling:

#### 7.1.1. Protection measures:

Ensure good ventilation/extraction at the workplace. Prevent the formation of dust. Avoid contact with the eyes and skin. Wear protective clothing. Washing facilities and water for cleaning the eyes and skin should be available. Persons prone to skin diseases or other hypersensitivity reactions of the skin should not handle the product.

#### 7.1.2. Measures to Prevent Fires:

No special measures required. The product is not flammable.

#### 7.1.3. Measures to Prevent Airborne Particles and Dust:

Prevent the formation of dust. For reduction of dust formation use closed systems (e.g. silo with conveyor), local exhaust ventilation, or other engineering controls such as plastering machines or continuous mixers with additional equipment for dust extraction.

#### 7.1.4. Measures to Protect the Environment:

Avoid release to the environment. Use any surplus or dispose of it properly. Do not allow the product to reach ground water, water courses or the sewage system.

#### 7.1.5. General Occupational Hygiene Measures:

Use skin protection cream. Avoid close or prolonged contact with the skin and avoid contact with the eyes. Wash hands before breaks and at the end of work. Keep away from foodstuffs, beverages and feed. Do not eat, drink, smoke or sniff while working.



## SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

### 8.1 Control parameters:

#### SCOEL [1] Recommendations:

→ Silicon dioxide (CAS 14808-60-7, < 1% RCS): BOELV (EU) long-term value 0.1 mg/m<sup>3</sup> (respirable fraction).

#### Occupational Exposure Limit Values (VLA):

→ Limestone / Calcium carbonate (CAS 1317-65-3): WEL (Great Britain) long-term value 10 mg/m<sup>3</sup> (inhalable dust) and 4 mg/m<sup>3</sup> (respirable dust).

Quartz (SiO<sub>2</sub>) (CAS 14808-60-7): BOELV (EU) long-term value 0.1 mg/m<sup>3</sup> (respirable fraction); general dust limit MAK (GB) 4 mg/m<sup>3</sup> (alveolar) and 10 mg/m<sup>3</sup> (inhalable).

DNELs - Calcium sulphate (CAS 7778-18-9): Oral long-term 1.25 mg/kg bw/d (consumer), short-term 11.4 mg/kg bw/d (consumer); Inhalative systemic long-term 5.29 mg/m<sup>3</sup> (consumer) / 21.17 mg/m<sup>3</sup> (employee), short-term 3,811 mg/m<sup>3</sup> (consumer) / 5,082 mg/m<sup>3</sup> (employee).

PNECs - Calcium sulphate (CAS 7778-18-9): not toxic to freshwater, soil or freshwater sediments; sewage plant 10 mg/l.

### 8.2 Exposure controls:

#### 8.2.1. Appropriate technical controls:

→ Ensure good ventilation/extraction at the workplace. For reduction of dust formation use closed systems (e.g. silo with conveyor), local exhaust ventilation, or other engineering controls such as plastering machines or continuous mixers fitted with additional dust-extraction equipment. Compliance with occupational exposure limits is to be ensured through effective dust-control measures.

#### 8.2.2. Individual protective measures, such as personal protective equipment:

→ Respiratory protection: Particle-filtering half mask (FFP2 according to EN 149). Use a respirator where there is a risk of exceeding the exposure limits, e.g. when handling the powdered dry product or during processing by spraying/splashing.

Hand protection: Chemical-resistant protective gloves to EN ISO 374. Wear waterproof, abrasion- and alkali-resistant gloves with CE marking. Leather gloves are not suitable. When preparing and processing the ready mix, Cat. III chemical-resistant gloves are not necessary; nitrile-soaked cotton gloves (about 0.15 mm) provide adequate protection for up to 480 minutes. For permanent contact, suitable glove materials include polychloroprene (>= 0.5 mm), nitrile rubber (>= 0.35 mm), butyl rubber (>= 0.5 mm), fluororubber (>= 0.4 mm) and neoprene (>= 0.5 mm), each with breakthrough time >= 480 min. Change damp gloves.

Eye/face protection: In case of dust development or splash risk, use tightly fitting safety goggles to EN 166.

Body protection: Wear closed long-sleeved clothing and tight shoes. If contact with fresh mortar is unavoidable, protective clothing should also be waterproof; ensure no fresh mortar enters the shoes or boots.

#### 8.2.3. Environmental exposure controls:

→ Avoid release to the environment. Use any surplus or dispose of it properly.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

### 9.1 Information on Basic Physical and Chemical Properties:

➔ Physical state: Solid. Form: Powder. Colour: Whitish. Odour: Odourless. Odour threshold: Not safety relevant.

pH (at 20 C, saturated aqueous solution): 6 – 8. Melting/freezing point: > 1,300 C (ISO 3016). Boiling point/range: Not applicable.

Flammability: Product is not flammable. Flash point: Not applicable. Auto-ignition temperature: Not applicable. Ignition temperature: Product is not self-igniting.

Decomposition temperature: > 1000 C (> 100 C to CaSO<sub>4</sub> and H<sub>2</sub>O; > 800 C to CaO and SO<sub>3</sub>). Oxidising properties: None. Explosive properties: Product does not present an explosion hazard.

Density: Not determined. Bulk density: 800 – 1,050 kg/m<sup>3</sup>. Solubility in water: Slightly soluble. Partition coefficient n-octanol/water: Not determined. Solids content: 100.0%.

➔ Other information: The product is not classified under any physical hazard class (explosive, flammable, oxidising, gases under pressure, self-reactive, pyrophoric, self-heating, water-reactive, organic peroxide, corrosive to metals or desensitised explosive). Particle characteristics: see Section 3.

## SECTION 10: STABILITY AND REACTIVITY

### 10.1 Reactivity:

A reaction takes place on contact with water, during which the product hardens and forms a solid mass that does not react with the environment.

### 10.2 Chemical stability:

The product is stable provided it is stored properly and dry. No decomposition if used according to specifications.

### 10.3 Possibility of hazardous reactions:

No dangerous reactions known.

### 10.4 Conditions to avoid:

Prevent the entry of water and moisture during storage, as the mixture reacts with moisture and hardens.

### 10.5 Incompatible materials:

No further relevant information available.

### 10.6 Hazardous decomposition products:

No dangerous decomposition products known.

## SECTION 11: TOXICOLOGICAL INFORMATION

### Inhalation:

Dust from the dry mixture can cause respiratory irritation. Frequent inhalation of large amounts of dust increases the risk of developing lung diseases (STOT RE). Based on available data, the acute toxicity classification criteria are not met (Calcium sulphate inhalative LC50 (4h) > 5 mg/l, Rat).

### Ingestion:

Based on available data, the classification criteria are not met. Acute oral toxicity: Calcium sulphate LD50 > 2,000 mg/kg (Rat); Silicon dioxide LD50 > 5,000 mg/kg (Rat); Limestone LD50 6,450 mg/kg (Rat).

### Eye contact:

Based on available data, the classification criteria are not met. Do not rub the eyes, as mechanical stress can cause additional damage. Silicon dioxide: not irritant (OECD 405, Rabbit).

### Skin contact:

Based on available data, the classification criteria are not met. Generally the product does not irritate the skin. Silicon dioxide: not irritant (OECD 404, Rabbit); not sensitising (OECD 429, Mouse). Dermal LD50 > 5,000 mg/kg (Rat).

### Chronic skin conditions:

Persons prone to skin diseases or other hypersensitivity reactions of the skin should not handle the product. Avoid prolonged or repeated skin contact with the wet product.

### Carcinogenicity:

Based on available data, the classification criteria are not met. Germ cell mutagenicity, reproductive toxicity and STOT-single exposure: classification criteria not met. Aspiration hazard: classification criteria not met. None of the ingredients has listed endocrine-disrupting properties.

## SECTION 12: ECOLOGICAL INFORMATION

### 12.1 Ecotoxicity:

The product was not investigated; the statement is derived from the properties of the individual components. Aquatic toxicity - Calcium sulphate (CAS 7778-18-9): LC50 (96h) > 1,970 mg/l (fish, *Pimephales promelas*); LC50 (48h) > 1,910 mg/l (*Ceriodaphnia dubia*); EC50 (96h) 3,200 mg/l (algae, *Navicula seminulum*); NOEC (21d) 360 mg/l (*Daphnia magna*). Limestone (CAS 1317-65-3): LC50 (96h) > 100 mg/l (fish, *Oncorhynchus mykiss*); LC50 (48h) > 100 mg/l (*Daphnia magna*); EC50 > 14 mg/l (algae, *Desmodesmus subspicatus*).

### 12.2 Persistence and degradability:

Inorganic product; it is not removable from water by a biological cleaning process.

### 12.3 Bioaccumulative potential:

Does not accumulate in organisms.

### 12.4 Soil mobility:

Slightly soluble.

### 12.5 PBT and vPvB assessment results:

PBT: This mixture contains no components classified as persistent, bioaccumulative and toxic (PBT) at levels of 0.1% or higher.

vPvB: This mixture contains no components classified as very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

Endocrine disrupting properties: This mixture does not contain components with endocrine-disrupting properties according to Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at concentrations of 0.1% or higher.

#### 12.6 Other adverse effects:

Water hazard class 1 (German Regulation, self-assessment): slightly hazardous to water. Do not allow undiluted product or large quantities of it to reach ground water, water courses or the sewage system. No further relevant ecotoxicological information available.

Waste treatment methods: Must not be disposed of together with household waste. Do not allow the product to reach the sewage system. Gather the dry

## SECTION 13: DISPOSAL CONSIDERATION

product, store it in labelled containers and re-use if possible, taking account of the maximum storage time, or mix residual amounts with water (avoiding skin contact and dust exposure) and allow the slurry to harden. Dispose of in accordance with local, regional, national and international regulations.

European Waste Catalogue codes:

16 03 04 - inorganic wastes other than those mentioned in 16 03 03 (for residual amounts of unprocessed product).

17 08 02 - gypsum-based construction materials other than those mentioned in 17 08 01 (for the water-mixed and set product).

15 01 01 - paper and cardboard packaging (for completely emptied packaging).

Uncleaned packaging: packaging that cannot be cleaned must be disposed of in the same manner as the product. Recycle only completely emptied packaging.

## SECTION 14: TRANSPORT INFORMATION

#### 14.1. UN Number:

Void / Not applicable - the product is not classified as dangerous goods for transport (ADR, ADN, IMDG, IATA).

#### 14.2. Proper Shipping Name:

Void / Not applicable.

#### 14.3. Transport Hazard Class(es):

Void / Not applicable.

#### 14.4. Packing Group:

Void / Not applicable.

#### 14.5. Environmental Hazards:

Marine pollutant: No.

#### 14.6. Special Precautions for User:

Not applicable.

#### 14.7. Transport in Bulk According to MARPOL Annex II and the IBC Code:

Not applicable. UN "Model Regulation": Void.

## SECTION 15: REGULATORY INFORMATION

### 15.1 Regulations and legislation on health, safety, and environment specific to the mixture:

Observe the general safety regulations when handling chemicals. The product complies with UK REACH (Regulation (EC) No 1907/2006 as retained in GB law) and the GB CLP Regulation (Regulation (EC) No 1272/2008 as retained in GB law).

Poisons Act: none of the ingredients is listed as a regulated/reportable explosives precursor or poison. Directive (EU) 2012/18 (Seveso) Annex I: none of the ingredients is listed. REACH Annex XVII, Entry 78: the product does not contain synthetic polymeric microplastics > 0.01% according to EC 2055/2023.

Regulation (EU) No 649/2012 (explosives precursors) and Regulation (EC) No 273/2004 (drug precursors): none of the ingredients is listed.

National regulations: Water hazard class 1 (self-assessment) - slightly hazardous to water.

### 15.2 Chemical Safety Assessment:

A Chemical Safety Assessment has not been carried out for this mixture.

## SECTION 16: OTHER INFORMATION

### 16.1. Abbreviations and Acronyms:

➔ RID: Regulations Concerning the International Transport of Dangerous Goods by Rail. ICAO: International Civil Aviation Organisation. MAK: Maximum workplace concentration. ADR: European Agreement Concerning the International Carriage of Dangerous Goods by Road. IMDG: International Maritime Code for Dangerous Goods. IATA: International Air Transport Association. GHS: Globally Harmonised System of Classification and Labelling of Chemicals. EINECS: European Inventory of Existing Commercial Chemical Substances. ELINCS: European List of Notified Chemical Substances. CAS: Chemical Abstracts Service. DNEL: Derived No-Effect Level. PNEC: Predicted No-Effect Concentration. LC50: Lethal Concentration, 50%. LD50: Lethal Dose, 50%. PBT: Persistent, Bioaccumulative and Toxic. vPvB: very Persistent and very Bioaccumulative. RCS: Respirable Crystalline Silica. WEL: Workplace Exposure Limit. BOELV: Binding Occupational Exposure Limit Value.

The information provided in this datasheet is based on the data available to us at the date of its publication.

It is the user's responsibility to take appropriate precautionary measures and apply the recommendations described previously. The information presented in this datasheet should not be considered exhaustive.

Any use of the product not specified in the instructions on the packaging, our website, or other documents provided by our company is entirely the responsibility of the user.