PRO-603 FINO MICRO SAFETY DATA SHEET

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

1.1 Product Identifier:

PRO-603 FINO Micro

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

Identified use: knife filler / surfacer. A microcement product for industrial, technical and private use, intended for processing on buildings.

Life cycle stages: consumer use / widespread use by professional workers (C/PW).

Sector of use: building and construction work (SU19).

Product category: coatings and paints, thinners, paint removers (PC9a).

Process categories: roller application or brushing (PROC10); non-industrial spraying (PROC11); manual activities involving hand contact (PROC19).

Environmental release category: widespread use of articles with a low release rate (ERC10a / ERC11a).

Uses advised against: any use other than those stated above.

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 - Technika Budowlana Sp. z o.o., ul. Szarych Szeregów 23, 60-462 Poznań, Poland
Tel. +48 61 846 79 00
Fax +48 61 846 79 09
sekretariat@kreisel.pl
www.kreisel.pl

1.4 Emergency phone number:

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

Emergency Services (UK): 999

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture:

The mixture is not classified as hazardous under the GB CLP Regulation (EC) No 1272/2008.

2.2 Description of hazards:

Labelling according to Regulation (EC) No 1272/2008: none. Hazard pictograms: none. Signal word: none. Hazard statements: none.

Supplemental information: EUH208 - Contains 1,2-benzisothiazol-3(2H)-one and 2-methyl-2H-isothiazol-3-one. May produce an allergic reaction. EUH211 - Warning! Hazardous respirable droplets may be formed when sprayed. Do not breathe spray or mist.

Contains the following biocidal active substances for product preservation: BIT, MIT.

Precautionary Statements:

Observe the precautions usual for handling chemicals. Do not breathe spray or mist.

SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

3.1 Composition:

Mixture of the substances listed below, together with non-hazardous additives.

3.2 Hazardous Substances:

Main Components:

CAS	EC	Name	Content by weight %	Classification according to Regulation (EU) 1272/2008
13463-67-7	236-675-5	Titanium dioxide (≥ 1 % particles ≤ 10 µm)	1 - 2.5 %	Not classified; substance with a Community workplace exposure limit. See Note 10 in Section 3.3.
2634-33-5	220-120-9	1,2-benzisothiazol-3(2H)-one	< 0.025 %	Acute Tox. 2, H330; Eye Dam. 1, H318; Aquatic Acute 1, H400; Aquatic Chronic 1, H410; Acute Tox. 4, H302; Skin Irrit. 2, H315; Skin Sens. 1A, H317
2682-20-4	220-239-6	2-methyl-2H-isothiazol-3-one	< 0.0015 %	Acute Tox. 3, H301; Acute Tox. 3, H311; Acute Tox. 2, H330; Skin Corr. 1B, H314; Eye Dam. 1, H318; Aquatic Chronic 1, H410; Skin Sens. 1, H317
1317-65-3	215-279-6	Limestone (calcium carbonate)	50 - < 100 %	Not subject to registration (REACH Annex V)
7732-18-5	231-791-2	Water	10 - 25 %	Not subject to registration (REACH Annex V)

3.3 Mixtures:

The full text of the hazard statements quoted above is given in Section 16.

Note 10 (EU 2020/217): the classification of titanium dioxide as a carcinogen by inhalation applies only to mixtures in powder form containing 1 % or more of titanium dioxide present as, or incorporated in, particles with an aerodynamic diameter <= 10 µm. It does not apply to this product, which is supplied as a paste/liquid.

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures:

General: first-aiders need no special personal protective equipment but should avoid contact with the product.

Inhalation: move the casualty to fresh air and keep them calm and at rest. If symptoms persist, seek medical advice. If breathing is irregular or has stopped, give artificial respiration. If unconscious, place and transport in the stable recovery position.

Skin contact: wash immediately with soap and water and rinse thoroughly. Remove contaminated or soaked clothing immediately and wash it before reuse; clean shoes before wearing them again. If skin irritation persists, seek medical advice.

Eye contact: do not rub the eyes. Remove contact lenses if present. Rinse the open eye under running water for at least 20 minutes, using an isotonic eye-rinse solution (e.g. 0.9 % NaCl) if possible. Always consult an occupational physician or ophthalmologist.

Ingestion: do not induce vomiting. If the casualty is conscious, rinse the mouth with water and have them drink plenty of water. Consult a doctor or a poison information centre.

4.2 Main symptoms and effects, acute and delayed:

Symptoms and effects are described in Sections 2 and 11.

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

➥ During a medical consultation, show the physician this safety data sheet if possible.

SECTION 5: FIRE-FIGHTING MEASURES

5.1 Extinguishing media:

The mixture is not flammable, either as supplied or when mixed. Adapt the extinguishing media and the firefighting method to the surrounding fire.

5.2 Specific hazards arising from the mixture:

The product is neither explosive nor flammable and does not support the combustion of other materials. Spilled product may create a slipping hazard.

5.3 Advice for firefighters:

No special measures are necessary. Collect contaminated firefighting water separately; it must not enter the drains. Fire debris and contaminated firefighting water must be disposed of in accordance with the official regulations.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal Precautions, Protective Equipment and Emergency Procedures:

6.1.1. For non-emergency personnel:

Follow the guidance on limiting exposure time and use the protective equipment described in Section 8. Avoid contact with the eyes and skin and ensure adequate ventilation.

6.1.2. For emergency personnel:

Provide the personal protective equipment described in Section 8 and avoid contact with the product.

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6.2 Precautions for the environment:

Do not allow the undiluted product, or large quantities of it, to enter groundwater, surface water or drains.

6.3 Methods and material for containment and cleaning:

Take up with a liquid-binding material (sand, diatomaceous earth, acid binder, universal binder, sawdust). Dispose of the collected material in accordance with the regulations.

6.4 Reference to other sections:

Safe handling - see Section 7. Personal protective equipment - see Section 8. Disposal - see Section 13.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for Safe Handling:

7.1.1. Protection measures:

Ensure good ventilation/exhaustion at the workplace. Avoid contact with the eyes and skin. Wear protective clothing. Washing facilities and water for washing the eyes and skin should be available. Persons prone to skin disorders or other skin hypersensitivity reactions should not handle the product. Do not eat, drink, smoke or sniff while working.

Storage: keep out of the reach of children. Store in tightly closed receptacles in a cool, dry place, away from food, drink and feedingstuffs. Protect from frost, heat and direct sunlight. Storage class: 12. Minimum shelf life (+5 °C to 25 °C): see the information on the packaging.

7.1.2. Measures to Prevent Fires:

No special measures are required; the product is not flammable.

7.1.3. Measures to Prevent Airborne Particles and Dust:

Hazardous respirable droplets may be formed when sprayed; do not breathe spray or mist. Respiratory protection is required if an aerosol or mist is formed (see Section 8).

7.1.4. Measures to Protect the Environment:

Avoid release to the environment. Use up product residues or have them disposed of professionally.

7.1.5. General Occupational Hygiene Measures:

Keep away from food, drink and feedingstuffs. Remove contaminated clothing immediately and clean it thoroughly before reuse. Wash hands before breaks and at the end of work. Avoid contact with the eyes and skin. Use a protective skin cream. Do not eat, drink, smoke or sniff while working.

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Control parameters:

SCOEL [1] Recommendations:

The mixture contains titanium dioxide (CAS 13463-67-7), which has a workplace exposure limit (WEL, Great Britain), long-term value 10 mg/m³ (total inhalable) and 4 mg/m³ (respirable). No other components have workplace exposure limit values that require monitoring.

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Occupational Exposure Limit Values (VLA):

The following derived no-effect and predicted no-effect levels apply:

DNEL values - titanium dioxide (CAS 13463-67-7): oral, long-term 700 mg/kg bw/day (consumer); inhalation, systemic, long-term 10 mg/m³ (worker).

DNEL values - 1,2-benzisothiazol-3(2H)-one (CAS 2634-33-5): dermal, systemic, long-term 0.345 mg/kg bw/day (consumer) and 0.966 mg/kg bw/day (worker); inhalation, systemic, long-term 1.2 mg/m³ (consumer) and 6.81 mg/m³ (worker).

DNEL values - 2-methyl-2H-isothiazol-3-one (CAS 2682-20-4): oral, long-term 0.027 and short-term 0.053 mg/kg bw/day (consumer); inhalation, local, long-term 0.021 mg/m³ and short-term 0.34 mg/m³ (consumer and worker).

PNEC values - titanium dioxide: fresh water 0.127 mg/l; marine water 1 mg/l; soil > 100 mg/kg; freshwater sediment > 1,000 mg/kg; marine sediment 100 mg/kg; sewage treatment plant 100 mg/l.

PNEC values - 1,2-benzisothiazol-3(2H)-one: fresh water 0.00403 mg/l; marine water 0.000403 mg/l; soil 3 mg/kg; sewage treatment plant 1.03 mg/l.

PNEC values - 2-methyl-2H-isothiazol-3-one: fresh water 0.00339 mg/l; soil 0.047 mg/kg; sewage treatment plant 0.23 mg/l.

8.2 Exposure controls:

8.2.1. Appropriate technical controls:

No further data; see Section 7. Ensure good ventilation in the workplace.

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

General protection and hygiene: keep away from food, drink and feedingstuffs. Remove contaminated clothing immediately and clean it thoroughly before reuse. Wash hands before breaks and at the end of work. Avoid contact with the eyes and skin. Use a protective skin cream and ensure washing facilities are available at the workplace.

Respiratory protection: use a suitable respiratory protective device only when an aerosol or mist is formed (type FFP2 in accordance with EN 149).

Hand protection: chemical-resistant protective gloves in accordance with EN ISO 374. The glove material must be impermeable and resistant to the product. Suitable materials for prolonged contact are polychloroprene (>= 0.5 mm, breakthrough time >= 480 min), nitrile rubber (>= 0.35 mm, >= 480 min), butyl rubber (>= 0.5 mm, >= 480 min), fluoro-rubber (>= 0.4 mm, >= 480 min) and neoprene (>= 0.5 mm, >= 480 min). Not suitable: liquid-permeable gloves made of fabric, leather or similar materials. Observe the breakthrough time stated by the glove manufacturer.

Eye/face protection: in case of splash risk, wear tightly fitting safety goggles in accordance with EN 166.

Body protection: protective work clothing.

8.2.3. Environmental exposure controls:

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

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on Basic Physical and Chemical Properties:

Physical state: Liquid (pasty)

Colour: Whitish

Odour: Mild

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Odour threshold: Not safety-relevant

pH (20 °C): > 11

Melting point / freezing point: ~ 0 °C

Initial boiling point / boiling range: ~ 100 °C

Flammability: Not flammable

Flash point: Not applicable

Auto-ignition temperature: Not self-igniting; decomposition > 825 °C (to CaO and CO_2)

Oxidising properties: None

Explosive properties: Not explosive

Vapour pressure (20 °C): 23 hPa

Density (20 °C): 1.6 - 1.8 g/cm³ (bulk density 1,600 - 1,800 kg/m³)

Dynamic viscosity (20 °C): > 5,000 mPas

Solubility in water: Not miscible or difficult to mix

Partition coefficient n-octanol/water (log Kow): Not determined

Solids content: 68 - 72 %

VOC (EC): 1.06 - 1.19 g/l (with water); 1.61 - 1.94 g/l (without water)

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity:

No dangerous reactions are known.

10.2 Chemical stability:

The product is stable as long as it is stored correctly in a dry place. No decomposition occurs when the product is used as intended.

10.3 Possibility of hazardous reactions:

No dangerous reactions are known.

10.4 Conditions to avoid:

No further relevant data available.

10.5 Incompatible materials:

No further relevant data available.

10.6 Hazardous decomposition products:

No hazardous decomposition products are known.

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SECTION 11: TOXICOLOGICAL INFORMATION

Inhalation:

Based on the available data, the classification criteria are not met. Component LC50 (4 h, inhalation): 1,2-benzisothiazol-3(2H)-one 0.05 mg/l (ATE); 2-methyl-2H-isothiazol-3-one 0.05 mg/l (ATE) and 0.11 mg/l (rat, OECD 403).

Ingestion:

Based on the available data, the classification criteria are not met. Component LD50 (oral): limestone 6,450 mg/kg (rat); titanium dioxide > 5,000 mg/kg (rat, OECD 425); 1,2-benzisothiazol-3(2H)-one 450 mg/kg (ATE) and 597 mg/kg (rat); 2-methyl-2H-isothiazol-3-one 232-249 mg/kg (rat, OECD 401).

Eye contact:

Based on the available data, the classification criteria are not met.

Skin contact:

Based on the available data, the classification criteria are not met. Component LD50 (dermal): titanium dioxide > 5,000 mg/kg (rabbit); 1,2-benzisothiazol-3(2H)-one > 2,000 mg/kg (rat); 2-methyl-2H-isothiazol-3-one 242 mg/kg (rat, OECD 402).

Chronic skin conditions:

On prolonged exposure, skin sensitisation through skin contact is possible (2-methyl-2H-isothiazol-3-one is sensitising). Based on the available data, the classification criteria are not met. The product was not tested; the assessment is based on the properties of the individual components.

Carcinogenicity:

Based on the available data, the classification criteria are not met. The carcinogen-by-inhalation classification of titanium dioxide (Note 10) does not apply to this paste/liquid product. Germ cell mutagenicity, reproductive toxicity, STOT (single and repeated exposure) and aspiration hazard: based on the available data, the classification criteria are not met.

SECTION 12: ECOLOGICAL INFORMATION

12.1 Ecotoxicity:

The product was not tested; the assessment is based on the properties of the individual components.

Limestone (CAS 1317-65-3): LC50 (96 h, fish - Oncorhynchus mykiss) > 100 mg/l; LC50 (48 h, Daphnia magna) > 100 mg/l; EC50 (algae) > 14 mg/l.

Titanium dioxide (CAS 13463-67-7): LC50 (48 h, Daphnia magna) 5.5 mg/l; EC50 (72 h, algae) 5.83 mg/l.

1,2-benzisothiazol-3(2H)-one (CAS 2634-33-5): LC50 (96 h, fish - Oncorhynchus mykiss) 1.6 mg/l; EC50 (48 h, Daphnia magna) 1.5-3.27 mg/l; EC50 (72 h, algae) 0.11 mg/l.

2-methyl-2H-isothiazol-3-one (CAS 2682-20-4): LC50 (96 h, fresh water Daphnia magna) 0.934 mg/l; LC50 (fish) 4.77 mg/l; EC50 (algae) 0.103 mg/l.

12.2 Persistence and degradability:

Some of the components are biodegradable. 1,2-benzisothiazol-3(2H)-one: biodegradation > 70 % (activated sludge, OECD 303 A) and > 90 % (OECD 302 B).

12.3 Bioaccumulative potential:

1,2-benzisothiazol-3(2H)-one: log Kow 0.7 (OECD 117); bioconcentration factor (BCF) 6.95 (OECD 305). Low bioaccumulation potential.

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12.4 Soil mobility:

No further relevant data available.

12.5 PBT and vPvB assessment results:

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

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

12.6 Other adverse effects:

Water hazard class 1 (self-assessment): slightly hazardous to water. The mixture contains no substances with endocrine-disrupting properties under

SECTION 13: DISPOSAL CONSIDERATION

Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605. No further relevant data available.

13.1 Waste treatment methods

Recommendation: the product must not be disposed of together with municipal or household waste. Risk of environmental pollution - follow the applicable waste legislation. Do not allow the product to enter the sewage system. Hand over unused product and contaminated packaging to a specialist waste-disposal company authorised to carry out such activities. Empty packaging may be recovered for energy in a waste-incineration plant or, if classified accordingly, sent to a landfill site; thoroughly cleaned packaging may be recycled. Dispose of the contents and container in accordance with local, regional, national and international regulations.

European Waste Catalogue: 08 01 20 - aqueous suspensions containing paint or varnish other than those mentioned in 08 01 19 (for residues of the unprocessed product); 17 09 04 - mixed construction and demolition wastes other than those mentioned in 17 09 01, 17 09 02 and 17 09 03 (for the set product); 15 01 02 - plastic packaging (for completely emptied packaging).

Recommended cleaning agent: water, with cleaning agents if necessary.

SECTION 14: TRANSPORT INFORMATION

14.1. UN Number:

None. The product is not classified as dangerous goods for transport (ADR, IMDG, IATA).

14.2. Proper Shipping Name:

None / not applicable.

14.3. Transport Hazard Class(es):

None.

14.4. Packing Group:

None.

14.5. Environmental Hazards:

Not applicable.

14.6. Special Precautions for User:

Not applicable.

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

Not applicable.

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SECTION 15: REGULATORY INFORMATION

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

This safety data sheet is prepared in accordance with UK REACH. Observe the precautions usual for handling chemicals.

Poisons Act (GB): regulated explosives precursors - none of the components is listed; regulated poisons - none of the components is listed; reportable explosives precursors - sodium nitrate (CAS 7631-99-4) is listed; reportable poisons - sodium hydroxide (CAS 1310-73-2), 12 % of total caustic alkalinity.

Directive (EU) 2012/18 (Seveso III): none of the components is named in Annex I.

Regulation (EC) No 1907/2006 (REACH) Annex XVII, entry 78: the product contains no synthetic polymer microplastic particles > 0.01 % in accordance with Regulation (EC) 2055/2023.

Regulation (EU) No 649/2012 and Regulation (EC) No 273/2004: none of the components is listed.

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

Other applicable legislation includes Regulation (EC) No 1907/2006 (UK REACH), Regulation (EC) No 1272/2008 (CLP), Regulation (EU) No 528/2012 on biocidal products and Regulation (EC) No 1013/2006 on shipments of waste.

15.2 Chemical Safety Assessment:

A chemical safety assessment has not been carried out.

SECTION 16: OTHER INFORMATION

16.1. Abbreviations and Acronyms:

Hazard statements referred to in Section 3:

H301 Toxic if swallowed. H302 Harmful if swallowed. H311 Toxic in contact with skin. H314 Causes severe skin burns and eye damage. H315 Causes skin irritation. H317 May cause an allergic skin reaction. H318 Causes serious eye damage. H330 Fatal if inhaled. H400 Very toxic to aquatic life. H410 Very toxic to aquatic life with long lasting effects.

Supplemental EUH statements: EUH208 (may produce an allergic reaction); EUH211 (warning! hazardous respirable droplets may be formed when sprayed).

Abbreviations and acronyms:

PBT: Persistent, Bioaccumulative and Toxic. vPvB: very Persistent and very Bioaccumulative. ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road. IMDG: International Maritime Dangerous Goods Code. IATA: International Air Transport Association. GHS: Globally Harmonised System of Classification and Labelling of Chemicals. EINECS: European Inventory of Existing Commercial Chemical Substances. CAS: Chemical Abstracts Service. VOC: Volatile Organic Compounds. WEL: Workplace Exposure Limit. DNEL: Derived No-Effect Level. PNEC: Predicted No-Effect Concentration. LC50: Lethal Concentration, 50 %. LD50: Lethal Dose, 50 %. ATE: Acute Toxicity Estimate.

Hazard-class abbreviations: Acute Tox. = acute toxicity; Skin Corr./Irrit. = skin corrosion/irritation; Eye Dam. = serious eye damage; Skin Sens. = skin sensitisation; Aquatic Acute/Chronic = hazardous to the aquatic environment (acute/long-term).

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.

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