EWI-705 LIME PAINT SAFETY DATA SHEET

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

1.1 Product Identifier:

EWI-705 Lime Paint

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

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:

COMCAL NATURAL, S.L
Av. CAN BORDOLL, 55 Unit 2, P.I. Can Roqueta, Sabadell, Barcelona
+34 93 729 42 54
comercial@com-cal.com

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:

UK CLP Regulation (SI 2019 No. 720) on classification, packaging, and labelling:

Hazard Class	Hazard Category	Hazard Statements
Skin Irritation	Category 2	H315: Causes skin irritation
Serious Eye Damage / Eye Irritation	Category 1	H318: Causes serious eye damage

2.2 Hazard Statements

➥ H318 Causes serious eye damage.

➥ H315 Causes skin irritation.

SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

3.1 Substances

➥ Not applicable

3.2 Mixtures

Main Components:

Ingredient	CAS Number	Content (wt %)	Classification (UK CLP)
Water	7732-18-5	> 40%	Not classified
Fillers	13463-67-714807-96-6548-62-9	> 30%	Not classified
Calcium Hydroxide	1305-62-0	> 10%	Skin Irrit. 2 (H315)Eye Dam. 1 (H318)STOT SE 3 (H335)
Thickeners	9004-62-0	< 0.5%	Not classified
Binders	24937-78-8	< 10%	Not classified
Other additives	—	< 0.5%	Not classified

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures:

General notes:

The product is not classified as hazardous. No serious adverse effects are expected under normal conditions of use. If in doubt or if symptoms persist, seek medical advice and show this safety data sheet.

Inhalation:

Inhalation is not expected to be a relevant exposure route at ambient temperature. If inhalation occurs, remove the affected person from the contaminated area and keep at rest. Seek medical attention if discomfort occurs.

Skin contact:

Wash skin thoroughly with soap and water. No serious adverse effects are expected. If irritation persists, seek medical advice.

Eye contact:

Rinse cautiously with plenty of water for at least 15 minutes, keeping eyelids open. Remove contact lenses if present and easy to do. Continue rinsing. If eye irritation persists, seek medical advice.

Ingestion:

If swallowed, rinse mouth with water (only if the person is conscious). Obtain medical attention immediately. Do NOT induce vomiting unless directed by medical personnel. Do NOT give anything by mouth to an unconscious person.

Advice for first aid responders:

Wear appropriate protective clothing.

4.2 Main symptoms and effects, acute and delayed:

➥ No known or expected symptoms.

SECTION 5: FIRE-FIGHTING MEASURES

5.1 Extinguishing media:

Suitable extinguishing media: Use water spray, alcohol-resistant foam, dry chemical powder, or carbon dioxide (CO_2).

Unsuitable extinguishing media: Do not use a high-pressure water jet, as it may disperse the product and spread the fire.

5.2 Specific hazards arising from the mixture:

Although the mixture is not flammable under normal conditions due to its water content, in case of fire and exposure to high temperatures, organic components may thermally decompose, producing hazardous substances such as:

➥ Carbon monoxide (CO)

➥ Carbon dioxide (CO_2)

➥ Unidentified hydrocarbons

➥ Dense black smoke

Inhalation of combustion products may be harmful to health.

5.3 Advice for firefighters:

In the event of fire near the product:

➥ Wear appropriate personal protective equipment (PPE), including self-contained breathing apparatus (SCBA) and fire-resistant protective clothing.

➥ Avoid inhaling smoke and vapours generated during combustion.

➥ Stay upwind to avoid exposure to combustion products.

➥ Cool containers exposed to fire with water spray to prevent rupture and spread of fire.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal Precautions, Protective Equipment and Emergency Procedures:

6.1.1. For non-emergency personnel:

➥ Avoid direct contact with the product, especially with eyes and skin.

➥ Wear protective gloves and safety goggles if there is a risk of splashing.

➥ Take care on wet surfaces as the product may leave a slippery film.

➥ Ensure adequate ventilation in enclosed spaces if vapours accumulate.

6.1.2. For emergency personnel:

➥ No special procedures required beyond basic use of gloves and eye protection.

➥ Hazardous vapours are not expected, but in extreme cases of accumulation in confined spaces, respiratory protection may be considered.

➥ Evacuate the affected area and ensure adequate ventilation.

6.2 Precautions for the environment:

➥ Avoid direct discharge into drains or watercourses.

➥ The product does not contain substances classified as hazardous to the environment.

6.3 Methods and material for containment and cleaning:

➥ In case of spillage, cordon off the area and collect the product using inert absorbent material (e.g., sand, earth, sawdust).

➥ Do not use water to wash the product into drains.

➥ Clean residues with water and mild detergent.

➥ Store collected material in appropriate, closed containers for disposal.

6.4 Reference to other sections:

➥ For personal protective equipment, see section 8.

➥ For waste disposal, see section 13.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for Safe Handling:

7.1.1. Protection measures:

➥ Avoid prolonged contact with skin and eyes.

➥ Wear protective gloves and safety goggles when handling large quantities or during spraying.

➥ Follow the recommendations in section 8 for the use of personal protective equipment (PPE).

➥ Clean spills as described in section 6.3.

➥ Application is recommended in well-ventilated areas.

7.1.2. Measures to Prevent Fires:

➥ The product does not pose a significant fire hazard but may burn if exposed to direct flame.

➥ Keep away from heat sources, sparks, and open flames.

7.1.3. Measures to Prevent Airborne Particles and Dust:

➥ The product is a liquid emulsion and does not generate dust. No specific measures are required.

7.1.4. Measures to Protect the Environment:

➥ Avoid release to sewer systems or water bodies.

➥ Collect waste in case of spillage and manage according to section 13.

7.1.5. General Occupational Hygiene Measures:

➥ Wash hands after handling.

➥ Do not eat, drink or smoke during use.

➥ Keep the product tightly closed when not in use.

7.2 Conditions for safe storage, including any incompatibilities:

➥ Store in the original, tightly closed container in a cool, dry place, protected from direct sunlight.

➥ Avoid exposure to extreme temperatures (preferably between 5 °C and 30 °C).

➥ Avoid freezing, as this may affect the stability of the emulsion.

➥ Keep out of reach of children and animals.

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Control parameters:

This product does not contain substances with occupational exposure limits established under current UK legislation (as per the HSE Workplace Exposure Limits (WELs) list).

No Derived No-Effect Levels (DNEL) or Predicted No Effect Concentrations (PNEC) have been established for the components of this mixture.

8.2 Exposure controls:

8.2.1. Appropriate technical controls:

➥ Use the product in well-ventilated areas.

➥ For spraying applications or use in confined spaces, general ventilation should be increased or local exhaust ventilation used.

➥ Avoid prolonged skin contact and inhalation of aerosols.

➥ Do not leave containers open. Prevent spills. Only refill into labelled containers.

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

➥ Respiratory protection: Not required under normal use conditions. When spraying, use a suitable mask with appropriate filter (e.g., FFP2 or FFP3).

➥ Skin protection: Wear resistant protective gloves (e.g., nitrile) if prolonged or repeated contact is expected. For industrial or extended handling, wear suitable work clothing.

➥ Eye protection: Not necessary for domestic or craft use. For professional or industrial applications, safety goggles are recommended if there is a risk of splashing.

8.2.3. Environmental exposure controls:

➥ Air: No hazardous emissions are expected under normal use conditions.

➥ Water: Avoid discharge to sewer systems or watercourses. In case of spillage, follow the instructions in section 6.

➥ Soil: No specific measures required but avoid unnecessary releases.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on Basic Physical and Chemical Properties:

➥ Physical state: Opaque, matt, mineral emulsion, white or coloured.

➥ Odour: Low odour intensity.

➥ Odour threshold: Not determined.

➥ pH:13 ± 0.05

➥ Melting point/freezing point: Not applicable / not available.

➥ Boiling point/boiling range: Not applicable / not available.

➥ Flash point: Not applicable / not available.

➥ Evaporation rate: Not applicable / not available.

➥ Flammability (solid, gas): Not available.

➥ Explosive limits: Not available.

➥ Vapour pressure: Not applicable / not available.

➥ Vapour density: Not applicable / not available.

➥ Density: 1.35 g/cm³ ± 0.05

➥ Relative density: Not applicable / not available.

➥ Solubility in water: Not applicable / not available.

➥ Partition coefficient: n-octanol/water: Not applicable / not available.

➥ Auto-ignition temperature: Not applicable / not available.

➥ Decomposition temperature: Not applicable / not available.

➥ Viscosity: 6000 cP ± 1000 cP (Brookfield RVT, spindle 3, 10 rpm).

➥ Oxidising properties: Does not present oxidising properties.

➥ VOC content: < 1 g/l

➥ Free formaldehyde content: < 0.01 mg/kg

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity:

The product is stable based on its intrinsic properties under normal handling and storage conditions.

10.2 Chemical stability:

The product is stable based on its intrinsic properties under normal handling and storage conditions.

10.3 Possibility of hazardous reactions:

None known.

10.4 Conditions to avoid:

Do not apply in windy conditions and protect from direct sunlight or rain. Failure to follow these precautions may affect the durability and final appearance of the applied product.

10.5 Incompatible materials:

None known.

10.6 Hazardous decomposition products:

The product is stable based on its intrinsic properties under normal handling and storage conditions.

SECTION 11: TOXICOLOGICAL INFORMATION

Inhalation: Lime paint is not considered toxic by inhalation under normal conditions of use. However, prolonged exposure to vapours may cause irritation of the upper respiratory tract and lungs, especially in poorly ventilated areas. It is advisable to avoid inhaling vapours or smoke that may be generated during heating.

Ingestion: Ingestion of lime paint is not expected to cause significant toxic effects in small amounts. Large quantities may cause gastrointestinal discomfort such as abdominal pain or nausea, which can impair digestion. In extreme cases, intestinal blockage could occur, although this is very rare.

Eye contact: Contact with eyes causes irritation, redness, or temporary pain. In case of contact, rinse thoroughly with plenty of water for at least 15 minutes and seek medical advice if irritation persists.

Skin contact: Prolonged contact may cause burns or skin irritation. Under adverse conditions, it may cause mild allergic or irritant reactions, especially in individuals with sensitive skin.

Carcinogenicity: No causal relationship has been established between exposure to lime paint and cancer development. Lime paint does not contain any substances known to be carcinogenic.

SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity:

No specific toxicity data available.

12.2 Persistence and degradability:

The mixture does not contain substances meeting the criteria for Persistent, Bioaccumulative and Toxic (PBT) or very Persistent and very Bioaccumulative (vPvB) substances.

12.3 Bioaccumulative potential:

The product contains primarily inorganic substances (water, fillers, calcium hydroxide) and polymers (binders, thickeners), which are not expected to bioaccumulate in aquatic organisms. Calcium hydroxide has a low potential for bioaccumulation due to its ionic nature and low solubility in water. Overall, the mixture is not expected to pose a bioaccumulation risk.

12.4 Soil mobility:

Calcium hydroxide and mineral fillers have low mobility in soil due to their insolubility and tendency to adsorb to soil particles. The product's other components (binders and thickeners) are also expected to have limited mobility. Therefore, the mixture is expected to have low mobility in soil and is unlikely to leach significantly into groundwater.

12.5 PBT and vPvB assessment results:

None of the substances in this mixture meet the criteria for classification as Persistent, Bioaccumulative and Toxic (PBT) or very Persistent and very Bioaccumulative (vPvB) according to UK REACH regulations.

12.6 Other adverse effects:

Not relevant.

SECTION 13: DISPOSAL CONSIDERATION

Lime paint should be disposed of in accordance with local regulations for non-hazardous waste. Any lime paint waste should be stored in suitable containers for solid waste management. It must not be discharged into sewer systems or watercourses, as this may cause blockages or localized environmental contamination.

SECTION 14: TRANSPORT INFORMATION

Lime paint is not subject to international regulations for the transport of dangerous goods. It is classified as a non-hazardous material for transport purposes. No special precautions other than those mentioned in section 8 are required.

14.1. UN Number:

Not applicable.

14.2. Proper Shipping Name:

Not applicable.

14.3. Transport Hazard Class(es):

Not applicable.

14.4. Packing Group:

Not applicable.

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.

SECTION 15: REGULATORY INFORMATIONl

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

➥ This product is classified and labelled in accordance with the UK Classification, Labelling and Packaging (CLP) Regulation (SI 2019 No. 720).

➥ Contains calcium hydroxide (CAS: 1305-62-0), classified as Skin Irritant Category 2 (H315), Eye Damage Category 1 (H318), and Specific Target Organ Toxicity - Single Exposure Category 3 (H335).

➥ Other ingredients such as water, fillers, thickeners, binders, and additives are not classified as hazardous under UK CLP regulations.

15.2 Chemical Safety Assessment:

A Chemical Safety Assessment (CSA) has not been carried out for this mixture as it is considered low hazard when used as intended.

15.3 Relevant UK Legislation

➥ Control of Substances Hazardous to Health Regulations 2002 (COSHH) (as amended)

➥ The Health and Safety at Work etc. Act 1974

➥ The Environmental Protection Act 1990

➥ The Hazardous Waste (England and Wales) Regulations 2005 (as amended)

➥ The REACH etc. (Amendment etc.) (EU Exit) Regulations 2019

15.4 Other Information

This Safety Data Sheet complies with the requirements of the UK REACH and CLP regulations.

Users should consult all sections of this SDS for safe handling, storage, and disposal practices.

SECTION 16: OTHER INFORMATION

16.1. Abbreviations and Acronyms:

CAS: Chemical Abstracts Service, a division of the American Chemical Society

EINECS: European Inventory of Existing Chemical Substances

EPA: Efficient Particulate Air Filter

INSHT: National Institute of Safety and Hygiene at Work (Spain)

HEPA: High Efficiency Particulate Air Filter

LC50: Lethal concentration of a compound in air or water that kills 50% of the test organisms under specific conditions

REACH: Registration, Evaluation, Authorisation and Restriction of Chemicals (Regulation (EC) No 1907/2006)

mPmB: Very Persistent and Very Bioaccumulative

VLA-ED: Occupational Exposure Limit Value - Daily Exposure Limit

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.