

SAFETY DATA SHEET

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

1.1. Product identifier

Product Names Ultralite B Loose Fill Kiln Insulation
Product Nos. KR12

Ultralite Loose Fill (ULF) – A family of porous bodies produced from aluminosilicates and fired to temperatures suitable for thermal insulation in various applications. (Usual range 700°C to 1400°C)
Ultralite Graded Aggregate (UGA) – A family of sized aggregates obtained from Ultralite Loose Fill.

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

Supplier PotteryCrafts Ltd.,
Campbell Road,
Stoke on Trent
ST4 4ET.
Tel 44 (0)1782 745000
sales@potteryCrafts.co.uk

1.4. Emergency telephone number
+44(0)1782 745000 (Office Hours 10:00-15:00)

SECTION 2: HAZARDS IDENTIFICATION

2. Hazards Identification

The product is supplied in a pelletised form. Dust content is normally low as supplied and is not considered dangerous to health or the environment. Dust generated by a cutting, grinding or abrasive operation, however, may lead to respiratory problems if there is long term exposure to excessive levels. There may be a very small amount of crystalline silica associated with any dust.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient/ Component Name	%	CAS Number	EINECS Number	Classification
Silica Glass	0 - 20	60676-86-0	262-373-8	Non-Hazardous
Crystalline Silica (Total)*	0 - 10	14808-60-7	239-487-1	H373
Kaolin, calcined	50 - 100	92704-41-1	296-473-8	Non-Hazardous
Corundum	0 - 10	1302-74-5		Non-Hazardous

These results are given according to the terms given in Section 16 and additionally certain assumptions made to enable these values to be calculated. Since all dust is potentially harmful to health whether or not the material is toxic, adequate protection should be provided. This is likely to include:

- Exclusion of non-essential people from the area of use
- Suitable ventilation to maintain levels below Workplace Exposure Levels
- PPE to further reduce the exposure level and prevent adherence to users own clothing



- Appropriate levels of industrial hygiene (cleaning) for equipment and personnel to prevent exposure during breaks from the task and after handling and use.

SECTION 4: FIRST AID MEASURES

4.1. Inhalation - Remove from source to fresh air. If symptoms occur, seek medical attention

4.2. Ingestion - No adverse effects expected. Treat symptoms

4.3. Skin contact - No adverse effects expected with product. Possible mechanical irritation from direct contact with dust. In case of mechanical irritation, wash with mild soap and water and apply skin moisturizers

4.4. Eye contact - No adverse effects with product. Possible mechanical irritation from direct contact with dust. Wash affected eye(s) with large amounts of clean water. If symptoms persist, seek medical attention

SECTION 5: FIREFIGHTING MEASURES

Product is incombustible and inert in fire therefore there are no special considerations to be made.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal Protection Avoid creating dust. Collect spillage preferably by vacuum cleaning and recycle in application or dispose of as non-hazardous waste. Wear suitable PPE

SECTION 7: HANDLING AND STORAGE

Use appropriate controls and practices to minimize dust generation. Store under cover and keep dry

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Respiratory Protection Recommended to avoid long term inhalation of dust

8.2. Skin Protection Not normally required. Wash thoroughly with mild soap and water after contact

8.3. Eye Protection Provision of clean water supply or eye wash facilities is recommended

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance	white/ off white
Odour	none
pH	7 in water
Boiling Point	not determined
Melting Point	above 1200°C
Flammability	not applicable
Explosive Properties	not applicable
Oxidising Properties	not applicable
Vapour Pressure	not applicable
Loose Fill Density	50 - 120
Solubility	not soluble in water and common solvents

SECTION 10: STABILITY AND REACTIVITY

10.1. Conditions to Avoid none

10.2. Dangerous decomposition products none

The article is inert and stable in normal conditions of temperature and pressure

SECTION 11: TOXICOLOGICAL INFORMATION

Non-Toxic

SECTION 12: ECOLOGICAL INFORMATION

12.1. Persistence and degradability not biodegradable

12.2. Bioaccumulation not assimilated

12.3. Aquatic toxicity none

SECTION 13: DISPOSAL CONSIDERATIONS

Unused products and residue may be disposed of as non-toxic, inert materials to approved landfill sites in accordance with local regulations.

During use, the product may become contaminated with hazardous materials. Please refer to the relevant safety data sheet for those materials and treat accordingly

SECTION 14: TRANSPORT INFORMATION

Not classified as dangerous for transport

SECTION 15: REGULATORY INFORMATION

NONE

SECTION 16: OTHER INFORMATION

16.1. **References: EH40 Occupational Exposure Limits. Health and Safety Executive**

16.2. **Issue 1– 13/10/2025**

This data sheet is prepared for the specific materials listed and is only valid for such materials as supplied. The information given is believed to be accurate at the time of issue and is given in good faith. Figures given are indicative and not meant to form part of a specification. This issue supersedes all previous issues.

No representation, warranty or guarantee is made as to accuracy, liability, or completeness. The product is supplied on the condition that the user accepts responsibility to satisfy himself as to suitability and completeness of such information for his own particular use.

Where the information provided herein discloses a potential hazard or hazardous ingredient, adequate warning must be provided to employees and users and appropriate precautions taken, including the practice of good industrial hygiene.

EC Regulation 1907/2006 (REACH)

Company/ Third Party Literature and Test Reports