



MATERIAL SAFETY DATA SHEET

ULTRALITE

**SUPPLIER:** CEBO UK LIMITED  
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PORTLETHEN  
ABERDEEN AB12 4YA

**TELEPHONE:** 01224 782020 (24 HOURS)

**CONTACT:** DUTY MANAGER

**SECTION 1 - IDENTIFICATION OF THE SUBSTANCE/PREPARATION**

Identification of the Substance: Cenospheres.  
Trade Name: Ultralite.  
RegistrationNumbers: CAS: 93924-19-7  
EINECS: 300-212-6  
Product Application: Additive used in Well Cementing.

**SECTION 2 - HAZARDS IDENTIFICATION**

Hazards Identification: The light weight nature of this material can result in airborne dust if spillage occurs. This in turn can lead to severe eye irritation.

**SECTION 3 - COMPOSITION/INFORMATION ON INGREDIENTS**

Chemical Description: Hollow ceramic microspheres.  
Hazardous Ingredients: N/A.

**SECTION 4 - FIRST AID MEASURES**

Inhalation: Remove from exposure.  
Skin Contact: Wash skin thoroughly with soap and water.  
Eye Contact: Flush eyes thoroughly with running water for 15 minutes. If irritation persists seek medical advice.  
Ingestion: Drink plenty of water and seek medical advice.

**SECTION 5 - FIRE FIGHTING MEASURES**

Fire Fighting Measures: The material is non-combustible and produces no hazardous products in a fire situation. Use suitable extinguishing media for the surrounding fire.

**SECTION 6 - ACCIDENTAL RELEASE MEASURES**

Personal Precautions: Wear eye and respiratory protection, protective clothing and gloves.  
Environmental Precautions: No special precautions.  
Cleaning Up Method: Damp spillages with water and brush or vacuum up for disposal and wash spillage area with water. Do not discharge into rivers or drains.



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#### SECTION 7 - HANDLING AND STORAGE

Handling: Normal precautions should be followed in handling and use and in such a manner as to avoid the generation of dust.

Storage: Normal precautions common to good safety practice should be followed in storage. Store bulk material in a closed system, ensuring silos are waterproof and free from internal condensation.

#### SECTION 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupation Exposure Standards: OES 8 Hr Time Weighted Average (TWA).  
Total Inhalable Dust 10mg/m<sup>3</sup>  
Respirable Dust 4mg/m<sup>3</sup>.

Engineering Measures: Wherever it is reasonably practicable to do so, Ultralite should be stored, handled and transported within enclosed systems.

Personal Protection:

- a) Respiratory Protection: Respiratory protection must be worn to provide a minimum nominal protection factor (NPF) of 10 (BS 4275).
- b) Hand Protection: Wear protective gloves.
- c) Eye Protection: Wear eye protection complying to BS 2092.
- d) Skin Protection: Wear gloves, overalls, boots and helmets as advised.

#### SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Physical and Chemical Properties:

- Appearance: Solid, fine particle powder.
- Colour: Grey, off-white or grey/brown.
- Odour: Slight, earthy.
- pH: 7-9 in 50% solids concentration.
- Melting Point/Melting Range (°C): 1,200 – 1,400°C.
- Relative Density: 0.65 – 0.90 g/cc.

#### SECTION 10 - STABILITY AND REACTIVITY

Stability: Stable.

Materials to Avoid: None.

Hazardous Decomposition Products: None.

#### SECTION 11 - TOXICOLOGICAL INFORMATION

Inhalation: Ultralite has a typical particle size of 20-300 microns and is therefore classified as a nuisance dust. Cenospheres contain crystalline silica at typical levels of 1.5% although levels up to 5% may be present. Care should therefore be taken to avoid milling or grinding of the material, which may generate respirable particles. Prolonged exposure to high levels of respirable crystalline silica is considered a possible cause of silicosis that may lead to Lung Cancer. The nature of cenospheres, however, mean they are considered harmless in the as-delivered state.



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**SECTION 12 - ECOLOGICAL INFORMATION**

Ecological Information: Environmentally benign.

**SECTION 13 - DISPOSAL CONSIDERATIONS**

Disposal of Waste Materials: Contact waste disposal services.

**SECTION 14 - TRANSPORT/LABEL INFORMATION**

No special precaution required under the regulation on transport of dangerous goods. Avoid dust spreading.

**SECTION 15 - REGULATORY INFORMATION**

EC Classification: According to EC Regulations, this product is not classified or labelled.

Regulatory Data – UK: All other national and local regulations, if applicable to the use, transport or disposal of this product, should be observed.

**SECTION 16 - OTHER INFORMATION**