

## TECHNICAL DATA SHEET

<b>Product:</b>	<b>Granular Ulexite 2-4mm</b>
<b>Synonym:</b>	Hydrated Sodium Calcium Borate
<b>Formula:</b>	(Na <sub>2</sub> O.2CaO.5B <sub>2</sub> O <sub>3</sub> .16H <sub>2</sub> O)
<b>Product Description:</b>	Ulexite is a mineral of fibrous hydrated borate hydroxide of sodium and calcium. Granular Ulexite 2-4mm is a greyish-white odorless product of uniform grain size distribution. Ulexite granules are of great importance for their slow-release property in agricultural applications. Ulexite has approximately 9-10% of Boron per unit mass.
<b>Packaging:</b>	Granular Ulexite 2-4mm is available in 22.7 kg (50 lb.), 25 kg (55 lb), 1000 kg (2200 lb), 1100 kg (2400 lb) and 1200 kg (2646 lb).

### CHEMICAL COMPOSITION

Component	Unit	Content
B <sub>2</sub> O <sub>3</sub>	%	30.00 min.
Boron	%	9.3% min.
Calcium (as CaO)	%	22.00 max.
SiO <sub>2</sub>	%	10.00 max.
Na <sub>2</sub> O	%	5.00 max.
Magnesium (as MgO)	%	5.00 +/- 2.00
Sulfur (as SO <sub>4</sub> )	%	0.10-0.20%
Cl	ppm	0 ppm
Arsenic	ppm	80.00 max
Lead	ppm	<0.1 ppm (detection limit)
Nickel	ppm	<0.01 ppm (detection limit)
Mercury	ppm	<0.005 ppm (detection limit)
Cadmium	ppm	0 ppm
Antimony	ppm	0 ppm
Purity	%	99.9 min.

**PHYSICAL PROPERTIES**

<b>Appearance</b>	Grayish White Granules
<b>Bulk Density</b>	55-60 lb/ft <sup>3</sup>
<b>Water Solubility</b>	Low solubility, slow-release product Not recommended for foliar or liquid application

**PARTICLE SIZE DISTRIBUTION**

Size (mm)	US Mesh Conversion	Unit	Content
- 2.00	-10	%	20% max
+ 4.00	-5	%	5% max

**Shelf Life:** This product has no specified shelf-life and there is no special precautions are needed for storing this product. This product does not degrade under normal conditions of storage.