

**MATERIAL SAFETY DATA SHEET (MSDS)****egl puracite ltd.**

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**An ISO 9001: 2015 Certified Company**

**EN12909:2012 ANSI/AWWA B100 NSF Type 61 Approval**

**DRIED GRADED ANTHRACITE (FILTER MEDIA)**

**1. Identification of Product**

Name	...	...	Anthracite Filter Media (Puracite)
Synonyms	...	...	Low Gravity Filter Coal, Anthracite.
Intended uses	...	...	Filter Media, Potable and Waste Water Treatment, Carbon Additive, Re-carburiser, Brick Colourant.
CAS No.	...	...	8029-10-5 Anthracite.
H.S. Code.	...	...	2701 11 00.

**2. Composition**

Dried Graded Anthracite Comprising :- Fixed Carbon, Moisture , Ash, Volatile, Trace Sulphur.

**Typical Chemical Analysis**

Fixed Carbon	c.93.0% DAF*
Volatile Matter	<7%
Ash Content	<4.5%
Sulphur	c.0.85%

\*DAF: Dried Ash Free

**3. Hazard Identification**

Classification - Non Hazardous

**Potential Health Hazard**

This product is inert and low level exposure is **not regarded as being hazardous to health.**

Occupational Exposure Standard [OES] 8 hour time weighted average for respirable dust = 2mg/m<sup>3</sup> [EH 40/98].

May cause irritation to eyes

**4. First Aid Measures**

Eyes	Irrigate thoroughly with water; if discomfort persists seek medical attention.
Lungs	Remove from exposure.
Skin	Wash off thoroughly with soap and water.
Mouth	Wash out mouth thoroughly with water.

**5. Fire Hazard**

No fire hazard when stored at ambient temperatures. **Non-combustible under normal circumstances. Anthracite has a very high ignition temperature (700-800° c).**

Low hazard in the form of dust if exposed to flame or heat, produces carbon monoxide when burnt in a restricted supply of oxygen.

**Fire Fighting**

Use water or foam to fight fire.

However, do not attempt to use water in enclosed spaces as further flammable gasses may be generated.

**6. Accidental Release/Spillage.**

No hazard or contamination of water courses other than slight temporary discolouration,

**Disposal Considerations**

Sweep up spillage.

**7. Handling and Storage**

Handle packaging with care, do not use sharp hooks to lift bags, always lift Bulk Bags using lifting loops in a safe manner with suitable equipment.

Store away from oxidizing agents.

Storage should be away from direct sunlight and kept dry under cover to preserve packaging integrity.

The material has an unlimited shelf life and does not deteriorate if stored dry.

If allowed to become wet, the product will not flow readily from storage bag.

**8. Exposure Controls / Personal Protection**

Maintain adequate ventilation, especially in confined areas. When handling wear dust particulate respirators – FFP1 EN149:2001, sturdy gloves, safety glasses/goggles, protective workwear and safety footwear.

**9. Physical Characteristics**

Appearance	...	...	Black, Shiny, Granular.
Nominal Sizing	...	...	Between 0.5mm - 14mm (according to Grade/Size).
Bulk Density	...	...	650 -750 kg/m <sup>3</sup> (according to Grade/Size).
Solubility in Water	...	...	Nil.

**10. Stability and Reactivity**

Stable under normal conditions, avoid excessive heat and flames. No reaction with water. Avoid contact with Oxidising Agents.

**11. Toxicological Information**

No known toxicological effects from this product.

**12. Ecological Information**

This product has no known eco-toxicological effects

**13. Disposal Considerations**

There are no specific disposal instructions for this product, non hazardous inert mineral.

**14. Transportation**

No hazard labeling required. Shipping description – Granular Anthracite.

Shipping name – Puracite.

**15. Regularity Information**

This product conforms to EN12909-2012 for drinking water treatment and may be used without the approval of Government Authorities.

**16. Other information**

Ensure all national/local regulations are observed.

**The information on this data sheet is based on current knowledge and experience and customers should ensure that the product is entirely suitable for their own purposes.**

There are no known health Hazards.

Prepared by EGL Puracite Ltd. -For further information, please visit our website at <http://www.eglpuracite.com>

This Safety Data Sheet has been established in accordance with the applicable European Directives. Details given in this document are believed to be correct at the time of printing. Whilst proper care has been taken in the preparation of this document, no liability for injury or damage resulting from its use can be accepted.