

# ULTRA-CLEAR<sup>®</sup>

## Clarification Media

Ultra-Clear<sup>®</sup> is a high-performance adsorbent media that removes polar compounds in jet fuel to assure it meets product specifications such as thermal stability, microseparator, and water reaction. Ultra-Clear granules have a large, highly active surface area that adsorbs oil soluble surfactants, organometallic compounds such as copper-complexes, and particulate matter that would jeopardize jet fuel specifications.

The attributes that make Ultra-Clear granules a high-performance jet fuel treatment solution readily lend themselves to other applications. Ultra-Clear effectively removes color bodies, surfactants, water, free fatty acids, organic oxides, and other polar contaminants from a wide range of oils, liquids, and waxes.

## Mineral Description

Ultra-Clear from Ochlocknee, Georgia is a high performance Attapulgite mineral. Our mineral processing maximizes the granule's surface area and microporosity. Heat treatments result in a hard, inert granule with a high resistance to attrition.

## Product Options

Ultra-Clear granules are available in three standard mesh sizes for use in fixed-bed clay treaters or clay-packed filter cartridges (bags or cloth).

## Typical Analysis (DRY BASIS)

Compound	% wt.
SiO <sub>2</sub>	70.85
Al <sub>2</sub> O <sub>3</sub>	14.06
MgO	5.71
Fe <sub>2</sub> O <sub>3</sub>	5.34
CaO	1.62
K <sub>2</sub> O	1.30
Na <sub>2</sub> O	0.25
Trace Compounds	0.87
<b>Total</b>	<b>100.00</b>

## Typical Properties

	8/16 MESH	16/30 MESH	30/60 MESH	
	31 lbs./ft <sup>3</sup>	32 lbs./ft <sup>3</sup>	32 lbs./ft <sup>3</sup>	Density (english)
	497 kg/m <sup>3</sup>	513 kg/m <sup>3</sup>	513 kg/m <sup>3</sup>	Density (metric)
	3.0	3.0	3.0	Free Moisture <b>maximum</b>
	LVM	LVM	LVM	Volatile Classification
	6.7	6.7	6.7	pH