

Attapulгите

Technical Data Sheet

Micro-sorb[®] 30/60 LVM



Specialty granular Attapulгите product

Micro-sorb[®] 30/60 LVM (Low Volatile Matter) product is a thermally activated, granular Attapulгите mineral that is suitable for a wide range of sorbent and filtration applications. The LVM product has good sorptivity and a high level of particle strength, resulting in lower attrition and fines. Micro-sorb[®] LVM granular Attapulгите is available in a wide range of sizes and packaging to maximize end-use flexibility.

Chemical Composition

$(\text{Mg,Al})_5\text{Si}_8\text{O}_{20}\cdot 4\text{H}_2\text{O}$

Properties

Typical Properties

Volatile matter at 1200 °F, moisture free basis	4%
pH (DI Water)	9.1
Bulk Density (Free Fall)	35 lbs/ft ³ 531 kg/m ³
Specific gravity	2.4

Physical data

Particle Size, -30/+60 Mesh (-0.60/+0.25 MM)	93%
Free moisture at 220 °F, as produced	1 %
Color	cream
Physical form	granular

* The above typical properties are for general information only and should not be used for specification purposes. Performance characteristics vary depending on specific application. All products should be tested in customer's formulation prior to use. This information is subject to change at any time.

Applications

Micro-sorb[®] 30/60 LVM products are used in the following applications:

- Sorbents / Filter Aids
- Ag Carrier - Pesticide

Micro-sorb[®] LVM granular products are effective as filtration aids in a variety of liquid systems. Filtration systems using Micro-sorb[®] sorbents are used to filter contaminants out of a variety of fuels and oils including jet fuel, kerosene, various non-edible oils, and many others. Testing has also shown that these Attapulгите products can reduce the concentration of heavy metals and even certain viral or bacterial contaminants from liquid streams. Micro-sorb[®] LVM products are recommended where the feed concentration of water as a contaminant is elevated.

Sorbents / Filter Aids

Micro-sorb[®] LVM thermally activated granular sorbents are widely used to decolorize, deodorize, and to remove surfactants, water, and other more polar impurities from a wide variety of organic liquids. Granular grades are used in static bed or cartridge applications while the fine granulars are used for contact filtration applications. The sorptive nature of these products makes them ideal for removing dirt and oil from animal pelts, in cleaning stone and statuary, and for absorbing oil spills from racetracks. Any application requiring precisely milled, highly sorptive hard or soft particles is well served by our granular Attapulгите.



Agricultural

Micro-sorb® products are used as toxicant carriers and diluents in pesticide applications. LVM granules are harder and allow slow release over time.

Safety

General

BASF recommends that you take the appropriate safety precautions when handling this product as you should when handling all chemicals. These include the measures described in Federal, State and Local health and safety regulations, thorough ventilation of the workplace, good skin care and wearing of protective goggles.

Material Safety Data Sheet

All safety information is provided in the Material Safety Data Sheets for Micro-sorb® 30/60 LVM.

Prop 65

CA Prop 65: THIS PRODUCT CONTAINS A CHEMICAL(S) KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER. (Attapulgitite products contain 1 to 10% (typically 6% crystalline silica.)

Storage

Micro-sorb® 30/60 LVM has a shelf life of one year and should be stored in a cool dry place.

Important

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