



Oleochemical Purification

MAGNESORB®

Oleochemicals are susceptible to naturally occurring and reaction by-product contaminants. In response, Oleochemical manufacturers have continuously pursued techniques to enhance quality, stability, and ease of production. Manufacturers are presented with the challenge of balancing the quality demands of customers, process efficiencies, and finished product stability. MAGNESORB® economically and quickly removes 99% of contaminants and reduces discard.

MAGNESORB® is a synthetic, amorphous, hydrous form of magnesium silicate. With a porous internal structure and enormous activated surface, MAGNESORB® is commonly applied in the purification of oils, fats, and other non-aqueous organic liquids.

BENEFITS OF USING MAGNESORB®

Our experts work with a broad range of oleochemicals including specialty esters, lubricants, surfactants, and specialty oils and fats. Let us work with you to develop a strategy that will quickly and economically optimize your oleochemical purification process.

MAGNESORB® can reduce and remove polar contaminants such as metals, moisture/water, acid value, glycerin, soap, colors, and odors.

Typical Uses: Contaminants Removed

- Sulfur and Phosphorus (phospholipids)
- Soap Stock/Sodium Oleate
- Oxidation Products
- Polymers
- Color Bodies (carotenes, lutein, chlorophyll)
- Pro-oxidants (trace metals, peroxides)
- Free Fatty Acids (organic acids)
- Sterol Glucosides

Applications: Edible Oils & Oleochemicals

- Oleochemical & Biodiesel Feedstocks
- Nutritional, Fish, and Algal Oils
- Rendered Fats and Oils
- Vitamins (E, A)
- Surfactants

HEALTH SAFETY AND QUALITY

The Dallas Group of America has provided quality adsorbent silicates to demanding industries such as the food, pharmaceutical, and chemical industries since 1973. We are committed to providing safe and effective products to our customers that meet and exceed recognized regulatory standards.

MAGNESORB® is recognized as safe by regulatory agencies including the Food and Drug Administration (FDA) and the National Sanitation Foundation (NSF), and is both Kosher and Halal-certified.

The Dallas Group's laboratories are staffed with degreed chemists, engineers, and technicians performing more than 50,000 tests each year to ensure that all products and raw materials meet specifications for quality and purity. Selected staff routinely participate in the AOCS Approved Chemists Program and have been awarded Proficiency Program Winner status in AOCS's NIOP Fats and Oils Program numerous times.

Our production facilities are GMP-certified, ensuring that our products are consistently produced and controlled according to quality standards.



PACKAGING

MAGNESORB® is available in 50 LB bags. Bulk packaging is also available upon request. Standard lead time to ship is two weeks (14 days).

ABOUT THE DALLAS GROUP OF AMERICA

In 1959, entrepreneur Robert H. Dallas formed what was to become one of the larger privately-owned chemical companies in the United States. In 1989, a newly formed The Dallas Group of America, Inc. was established as a spin-off and grew into a diversified manufacturer of basic and specialty chemicals.

The Dallas Group produces the highest quality synthetic magnesium silicates, ammonium chloride, and lignosulfonates. The company operates multiple manufacturing and packaging facilities in North America, China, and Europe.

