

The right incredible minerals.
The right quality. The right
people and experience. It
makes all the difference.



Ep Minerals[®]

Our incredible minerals. There's nothing like them in the world today. Special ore characteristics that our customers demand. Incredible quality. Consistent and pure. It's the reason why our customers tell us we "meet their spec" time after time. The quality and uniqueness of EP Minerals' and EP Engineered Clays' ore deposits, no matter the mineral, are fundamental to the versatility and functionality of these incredible minerals.

Ep ENGINEERED CLAYS
CORPORATION

An Affiliate of EP Minerals, LLC



Creating High Quality Engineered Materials Through Innovation

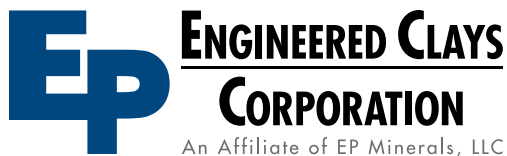
Almost every industry around the world uses one of EP Minerals' incredible minerals:

- Diatomaceous Earth (DE)
- Perlite
- Montmorillonite Clay
- Cellulose

Our products are critical to over 100 industries, and we sell into 70 countries. DE is used in swimming pool filtration, paint and plastics, animal feed, oil absorbents, pharmaceuticals, wastewater, and petrochemical industries. DE is also used in food and beverage, corn wet milling, potable water, and as an insecticide.

Our perlite is used in filtration, construction, building materials and other industrial applications.

Our Montmorillonite clay is used for baseball infields, as a soil amendment, fertilizer carrier and in a wide variety of absorbent products. We also produce patented water purification media and arsenic removal products.



Our Incredible Minerals Can Make Your Product Even More Incredible

EP Engineered Clays develops high-quality products that are used in the oleochemical industry for edible oil and biodiesel purification, aromatics purification, solid acid catalysis, nitrogen removal, copper refining, dimerization, lube oil refining and metal coolants.

➔ Bleaching Clays

The most effective bleaching clay (also known as Fuller's Earth) technology for oil and biodiesel purification. A wide range of bentonite clays with various levels of activation for oil bleaching, color removal and purification for a wide variety of edible oils including canola, soybean, coconut, palm, fish, sunflower, and tallow. These clays can also be effectively used for metal removal from biodiesel obtained via renewable, eco-friendly technologies.



➤ Adsorbent Technologies

From the purification of hydrocarbon streams to industrial gases, we have the purification adsorbent that meets your needs. Our comprehensive portfolio includes adsorbent technologies for applications in industries such as chemical, gas processing, petrochemical, dimerization, and refining. Key applications for our adsorbents include copper refining, spent lube oil refining, nitrogen removal, and aluminum rolling



Our activated Bentonite adsorbents are a broad portfolio of products, including the industry-standard, F-Series of activated clays, which utilize trusted and proven adsorbent activation technology for a highly-effective purification of nitrogen removal in a Benzene stream.

➤ Catalytic Solutions

Our solid acid catalysts eliminate the need for liquid acid. They tolerate feedstock impurities, feedstock changes, and process abnormalities. Our performance catalysts are the “go to” choice for Toluene and Xylene processing. Various acid catalyzed reactions include:

- Aromatics Purification
- Alkylation
- Hydration, Dehydration
- Esterification, Ester Hydrolysis
- Acetylation
- Cyclization
- Condensation



▶ World class technical expertise.

The wide variety of applications for our minerals continues to grow, and we pride ourselves on having the technical experience to provide our customers with solutions for even their most challenging applications. We believe in bringing incredible value to our customers by delivering more than a quality product. We also provide world-class global technical service to determine the best solution for your applications.

▶ Incredible customer service.

Our “high touch” service is one of the top reasons that our customers continue to buy from us. Year after year. We have fully-staffed customer service centers in Reno, Nevada and Munster, Germany.

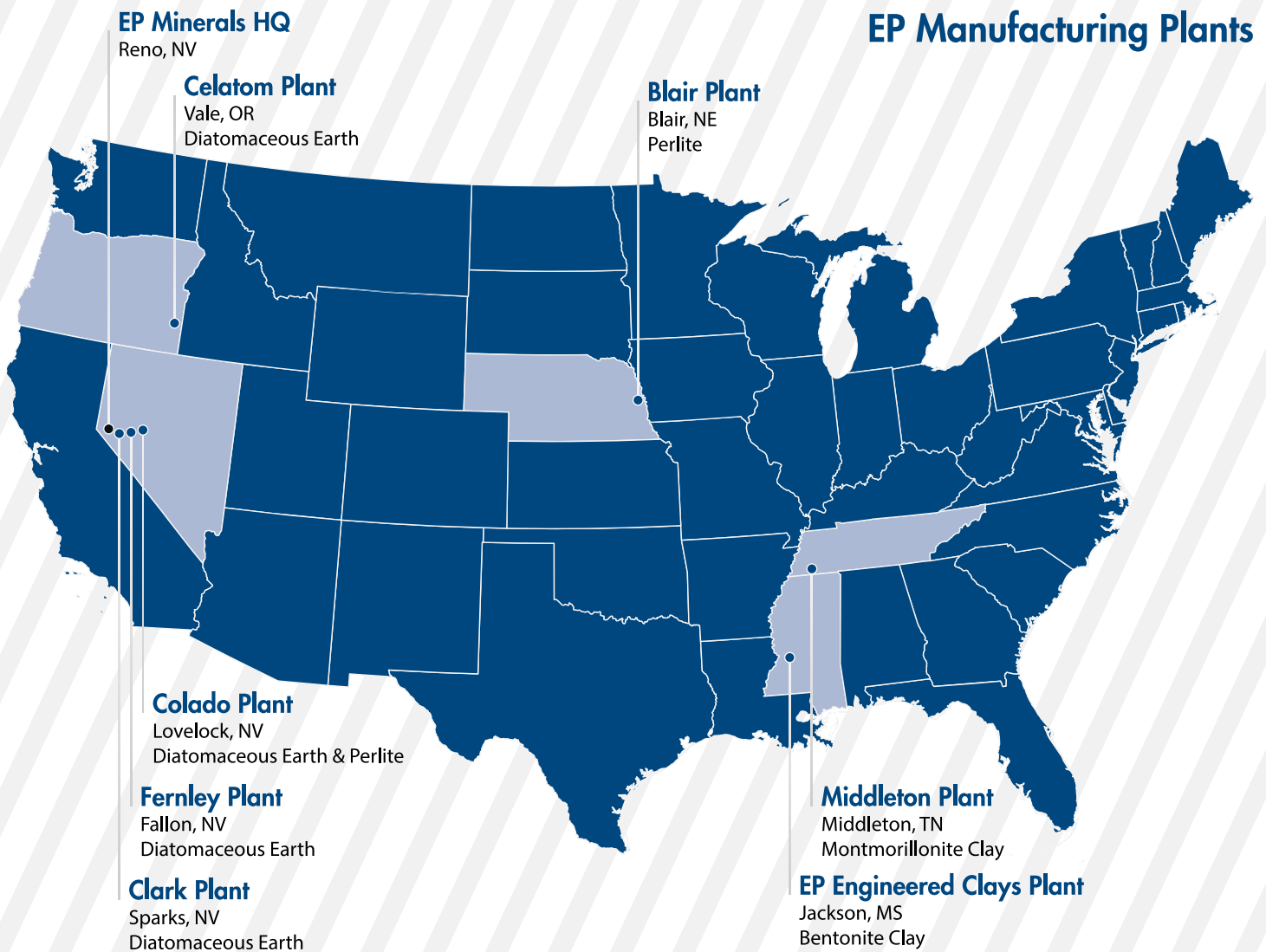
▶ Commitment to quality.

Our mission is to consistently produce the highest quality products in the industrial minerals industry at all of our plants. Quality is an integral part of how we work and what we do. We have an entire team dedicated to quality, working with our Research & Development team, and directly with our plants to constantly test our incoming ores and finished products.



🔗 Did You Know? Synergies between Bleaching Clays and DE

EP Engineered Clays' Bleaching clays and EP Minerals' diatomaceous earth (DE) work together exceptionally well in filtration. In edible oil processing, the primary role of Bleaching Clays is to improve oil stability, flavor, taste, and appearance. Bleaching clays are used in purification to remove color bodies (like chlorophyll) and unwanted contaminants like soaps, insecticides, and oxidation products. DE is then used to remove the bleaching clay particles, the wax after the oil cools, and to clarify the oil. DE and Bleaching Clays make a good team!



EP Engineered Clays Corporation is an affiliate of EP Minerals, LLC

To learn more about solutions for your particular application, call your sales representative or contact us directly today. We can discuss your needs with one of our technical experts to determine the right product for you.



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