

LUBE TECHNOLOGY BULLETIN:

DUOTREAT

Manufacture of Technical and Food Grade White Oils Meeting International Specifications

Process Description

Duotreat is a two-stage hydrogenation process to the production of food-grade and super technical grade white oils. This environmentally superior process treats oils with hydrogen over proprietary high activity catalysts to convert multi-ring aromatics at high reactor pressures and moderate to high temperatures to eliminate all traces of carcinogenic compounds and produce odorless, tasteless, and colorless white mineral oils. One of the key factors of our outstanding performance and catalyst cycle lengths is the ability to remove sulfur compounds that have deposited on the active metal site via an insitu hydrogen rejuvenation process. When compared to a conventional acid treating process, Duotreat offers advantages of improved quality, higher yields, and lower operating costs by eliminating costly and environmentally unattractive acid handling and sludge disposal problems.

Why select Duotreat?

- High yields and lower operating costs.
- New high activity 1st stage catalysts and new longer life 2nd stage catalysts.

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