

AMulSion™ COD Demulsifiers



Corn Oil Separation Aids

For the Fuel Ethanol Industry
Increase Efficiency & Productivity

AMS

Applied Material Solutions



TRANS-CHEMCO, INC.
The Specialists in Foam Control™



NOTTINGHAM COMPANY
A DIVISION OF APPLIED MATERIALS SOLUTIONS



PERFORMANCE PROCESS INC.



AMulSion™ COD Demulsifiers

Benefits of Using AMS Corn Oil Separation Aids

- ▶ Lower your demulsifier feed rate
- ▶ Lower your demulsifier cost
- ▶ Increase corn oil yield
- ▶ Reduce solids for a cleaner, higher quality oil
- ▶ Increase profits
- ▶ Effective across a range of operating conditions





AMulSion™ Corn Oil Aids/Demulsifiers

AMS produces an array of corn oil separation aids and can customize products to improve results within your unique set of operating conditions

Highlighted Products

AMulSion™ COD-1

- Unique chemistry with hydrophobic silica
- Delivers results where others fall short

AMulSion™ COD-2+6

- High-actives formulation with hydrophobic silica
- Workhorse demulsifier effective across a broad range of operating conditions

AMulSion™ COD-2CE & AMulSion™ D938

- Polysorbate-free alternative to traditional chemistry

Antifoams for Ethanol Production



Applied Material Solutions manufactures a wide range of antifoams and defoamers for the ethanol industry, including food-grade and kosher products. Our additives control foam, assist in processing at multiple stages of ethanol production, and have been specially tailored for your industry.

Wet Corn Milling

AE-10-FGK	10% silicone antifoam emulsion designed to give maximum efficiency under a wide variety of conditions
TRANS-102	20% silicone antifoam emulsion designed to give maximum efficiency under a wide variety of conditions
TRANS-XL 2	100% active, surfactant-based antifoam, silicone-free
TRANS-393 W	Surfactant-based antifoam that delivers superior value due to its high level of persistence in the system, silicone-free

Yeast Propagation

TRANS-10A	10% active, food-grade silicone antifoam, formaldehyde-free
TRANS-205 RM	100% active surfactant-based antifoam, silicone-free

Fermentation

TRANS-10A	10% active, food-grade silicone antifoam, formaldehyde-free
TRANS-276	100% active defoamer containing a blend of proprietary surfactants and silicone
TRANS-PP1	100% active, surfactant-based defoamer, silicone-free

Distillation

TRANS-XL 3	Silicone-free, food-grade surfactant blend specifically designed for controlling foam in high-temp applications, including distillation columns
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CIP

TRANS-245	Concentrated, water-based defoamer for CIP systems, alkali-stable and silicone-free
AE-20-S	20% silicone antifoam emulsion designed to give maximum efficiency under a wide variety of conditions

Wastewater Treatment

TRANS-276	100% active defoamer containing a blend of proprietary surfactants and silicone
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Applied Material Solutions

Why You Should Purchase from AMS

- ▶ “Pay if It Works” testing program available during trial period
- ▶ On-site testing support available
- ▶ Lab analyses of syrup
- ▶ Vertically integrated manufacturer of key demulsifier components, including hydrophobic silica
- ▶ Midwest manufacturing locations—in proximity to a majority of producers
- ▶ AMS also offers antifoams, defoamers, and CIP additives



Applied Material Solutions

Applied Material Solutions offers corn oil separation aids, high quality antifoam products, hydrophobic fumed and precipitated silica and toll manufacturing. AMS is headquartered in Elkhorn, WI, with plants in Burlington, WI, and Atlanta, GA.



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