



Healthy **FATS** for a Healthy Lifestyle

Functional & Nutritional Lipids

www.abiteccorp.com



ABITEC is your science-driven source for nutritional ingredients.



Safe, Quality, Responsible Ingredients.

- The **safety** of our employees is of the utmost importance to ABITEC and we have built a culture dedicated to keeping ourselves and others safe.
- We **continually** aim to keep our customers and your customers safe by providing **premium** ingredients that meet the **highest of standards**.
- ABITEC supports the **Roundtable on Sustainable Palm Oil (RSPO)** as a subsidiary of ABF, which has been a member of RSPO since 2010. Our standard line of products from palm-derived sources are covered under Greenpalm and/ or RSPO credits, Book & Claim Supply Chain models, which support the production of sustainable palm.

To learn more visit:
abiteccorp.com/en/about-us/our-corporate-social-responsibility/

ABITEC is a global leader in the development and manufacturing of speciality lipids and emulsifiers for the pharmaceutical, nutritional, and speciality chemical markets. Through our world-class technical, scientific, regulatory, and manufacturing expertise, we deliver high quality functional lipids that aid in solubilization, emulsification, and improved processing.

Nutritional Health

ABITEC's portfolio offers **function** and **nutrition** to a wide range of **markets**

Benefits

- COGNITION
- ENERGY
- SATIETY
- BIOAVAILABILITY & SOLUBILITY
- PROCESSING AIDS
- IMPROVED TEXTURE & TASTE
- EMULSIFICATION

Markets

- SPORTS NUTRITION
- DIETARY SUPPLEMENTS
- WEIGHT MANAGEMENT
- FOOD & BEVERAGE
- CLINICAL NUTRITION
- ANIMAL NUTRITION

Nutritional Lipids that bring **health** and **function**.



Liquids

ABITEC's products bring nutritional value and functional benefits such as solubilization and emulsification to your liquid supplements, beverages, and more!

Powders

ABITEC's NUTRI SPERSE® powders offer unique properties that improve taste, mouth feel, and texture while providing additional health benefits like increasing energy, cognitive support, and healthy weight management.

Tablets & Softgels

ABITEC provides solutions for both improving manufacturing efficiencies and enhancing absorption in tablet and softgel applications.

BENEFITS

COGNITION

- MCTs support cognition and brain health
- MCTs are converted to ketones in the liver to help provide energy for the brain

Products: CAPTEX® liquid MCTs, NUTRI SPERSE® powdered MCTs
Applications: Dietary supplements, beverages, powders, & more!

ENERGY

- MCTs increase ketone development helping fuel the body and mind
- MCTs provide steady and sustainable energy for your body

Products: CAPTEX® liquid MCTs, NUTRI SPERSE® powdered lipids
Applications: Beverages, bars, gummies, & more!

Health Benefits for a Healthy Life.

SATIETY

- MCTs increase thermogenesis and decrease fat tissue for healthy weight management [1-3].
- MCTs increase satiety and decrease food consumption during the following meal [4].

Products: CAPTEX® Liquid MCTs, NUTRI SPERSE® Powdered MCTs

Applications: Functional foods, beverages, powders, gelpaks & more!

BIOAVAILABILITY ENHANCEMENT

- Solutions to support nutrient bioavailability.
 - SENDS™ Self-Emulsifying Nutraceutical Delivery System
- Solubilization, emulsification, and or dispersion of active ingredients and polar lipids

Products: CAPMUL®, CAPTEX®, CAPROL®, ACCONON®

Applications: Tablets & Softgels

PROCESSING & MANUFACTURING EFFICIENCY

- Improved processing of tablets & softgels
- Improved lubrication properties
- Enhanced printing and painting of tablets

Products: CAPTEX®, STEROTEX®

Applications: Tablets & Softgels



Featuring CAPTEX® Sustainable Solutions: RSPO, Palm-Free, & 100% Coconut MCTs

ABITEC's MCTs are all produced from ingredients that are derived from natural plant-based materials and offer a clean, pure taste that can be incorporated into any formulation!



Improve Taste, Texture, & More!

For powders & liquids

- **Our Lipid Powders** provide a healthy source of fat and provide creamy mouth feel.
- **Our Emulsifiers** improve texture, increase volume, and provide stability.
- **Our Solubilizers** improve mouth feel, texture, and creaminess in a variety of nutritional foods.
- **Our Plant-Based Oils** are used as a matrix for encapsulation, sustained or delayed-release, active barrier protection, and taste masking.

Product Versatility



CAPTEX® Medium-Chain Triglycerides

Readily available source of energy for the body and brain and have shown to increase ketone development helping provide fuel (energy) for your body and mind. Our MCTs are kosher, halal, non-GMO, and available in liquid and powdered forms.

NUTRI SPERSE® Powdered Lipids

Deliver up to 73% fat content from a wide range of healthy oils, including MCTs, canola, and high oleic sunflower. All of our oils herein are free of partially-hydrogenated oils, are kosher, and halal. These lipids provide a creamy mouth feel and improved functionality to products where liquid oils are not applicable.

CAPMUL® Mono- and diglycerides

Improve the bioavailability of insoluble and/or impermeable active nutritional ingredients (ANIs). They improve ingredient absorption, emulsification, and solubilization.

CAPROL® Polyglycerol Esters

Used as emulsifiers and solubilizers in an array of nutritional supplements because they offer a wide range of Hydrophilic-Lipophilic Balance (HLBs) meeting the needs of many formulation requirements. They improve texture and consistency, work well with proteins to improve flow, and offer a smooth mouth feel.

ACCONON® Surfactants

Improve the bioavailability of poorly water soluble ANIs by direct solubilization or by acting as a stabilizing surfactant in active-carrying emulsions.

STEROTEX® Vegetable Oils

Designed to be dry blended into tablet formulations to provide lubrication during direct compression tableting. Utilized in melt processing to generate the active containing multi-particulates with sustained-release, abuse-deterrent, and/or taste-masking characteristics

Product Name	Chemical Name	Caprylic (C8) fatty acid content (%)	Capric (C10) fatty acid content (%)	Dietary Supplement	Sports Nutrition	Weight Management	Animal Nutrition	Clinical Nutrition	Food, Flavor & Coatings	Cognition	Energy	Satiety	Bioavailability Enhancement	Controlled Release	SENDS	Functional Food	Functional Beverage	Powders	Tablets & Softgels	Encapsulation	Processing Aids	Spreads	
Liquids/Solids				Market						Benefit					Application								
ACCONON® C-44 EP/NF*	Lauroyl Macroglycerides			X											X								
ACCONON C-50 EP/NF*	Stearoyl Macroglycerides or Stearoyl Polyoxylglycerides			X											X								
CAPMUL® 471	Glyceryl Caprylate/Caprates; Mono and diglycerides			X			X	X	X				X		X	X	X		X	X			
CAPMUL GMO-50	Glyceryl Monooleate			X			X	X	X							X	X		X	X			
CAPMUL GMS-50K	Glyceryl Monostearate						X		X					X		X	X						
CAPROL® 3GO	Triglycerol Monooleate; Polyglycerol oleate			X			X		X				X		X					X			
CAPROL ET	Mixed Polyglycerol Esters			X			X		X				X		X					X			
CAPROL MPGO	Polyglycerol Esters of Oleic Acid			X			X		X				X		X					X			
CAPROL PGE 860	Decaglycerol Mono- & Dioleate, Polyglycerol oleate			X			X		X				X		X					X			
CAPTEX® 300	Caprylic/Capric Triglyceride	70%	30%	X	X	X	X	X		X	X	X	X		X	X	X		X			X	
CAPTEX 355	Caprylic/Capric Triglyceride	55%	45%	X	X	X	X	X		X	X	X	X		X	X	X		X			X	
CAPTEX 1000	Glyceryl Tricaprate;Tricaprin	2%	98%	X	X	X	X	X		X	X	X	X		X	X	X		X				X
CAPTEX 8000	Glyceryl Tricaprylate	98%	2%	X	X	X	X	X		X	X	X	X		X	X	X		X				
CAPTEX GTO	Triolein						X	X								X	X						
PURECO® 76	Coconut Oil			X												X							
STEROTEX® P	Palm oil and Modified Palm Oil						X		X					X				X	X	X	X		
STEROTEX NF	Hydrogenated Cottonseed Oil						X		X					X				X	X		X		

Product Name	Substrate/Base	Oil Type	Oil Load	Dietary Supplement	Sports Nutrition	Weight Management	Animal Nutrition	Clinical Nutrition	Food, Flavor & Coatings	Cognition	Energy	Satiety	Bioavailability Enhancement	Controlled Release	SENDS	Functional Food	Functional Beverage	Powders	Tablets & Softgels	Processing Aids	Spreads	
Powders				Market						Benefit					Application							
NUTRI SPERSE® A5100	Polydextrose, Milk Protein Concentrate, and Whey Protein Isolate	High Oleic Sunflower	45%	X	X	X		X			X	X				X	X	X				
NUTRI SPERSE CAN 70	Nonfat Dried Milk	Canola	70%	X	X			X								X	X	X				
NUTRI SPERSE IP HOS 70 ND	Non-GMO Maltodextrin	High Oleic Sunflower	70%	X	X			X			X					X	X	X				
NUTRI SPERSE HOS 73	Buttermilk	High Oleic Sunflower	73%	X	X			X	X		X					X	X	X				
NUTRI SPERSE HOSO M	Non-GMO Maltodextrin	High Oleic Sunflower	48%	X	X			X	X		X					X	X	X				
NUTRI SPERSE MCT CA	Modified Food Starch	MCT	25%	X	X			X	X		X					X	X	X				
NUTRI SPERSE MCT 50	Non-GMO Maltodextrin	MCT	50%	X	X	X	X	X		X	X	X				X	X	X				
NUTRI SPERSE MCT 70	Nonfat Dried Milk	MCT	70%	X	X	X	X	X		X	X	X				X	X	X				
NUTRI SPERSE MCT C8	Nonfat Dried Milk	MCT	70%	X	X	X	X	X		X	X	X				X	X	X				



ABITEC is a US-based company with first-class ISO certified cGMP facilities in Janesville, WI and Paris, IL, along with our corporate location in Columbus, OH. Since our founding in the 1960s, ABITEC continues to take pride in its dedication to its customers.

References

1. St. Onge, M.P. , Jones, J.H. (2002) Physiological Effects of Medium Chain triglycerides: Potential Agents in the Prevention of Obesity, J. Nutr. 132: 329-332
2. Bach AC and Babayan VK. Medium-chain triglycerides: an update. The American journal of clinical nutrition 1982;36(5):950-62.
3. Heydinger JA and Nakhasi DK. Medium Chain Triacylglycerols. J Food Lipids 1996;3:251-257.
4. Gregg, Edward W., Shaw, Jonathan E., . . (2017) Global Health Effects of Overweight and Obesity. New England Journal of Medicine 377:1, 80-81.

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