

Quality Ingredients for Lubricant & Metalworking Fluid Formulators



LUBRICANTS & METALWORKING FLUIDS

Flexibility, Technical Expertise & Service **YOU** Deserve

ABITEC Corporation manufactures base fluids and performance enhancing additives for industrial/commercial lubricants and metalworking fluids. For more than 50 years, we have been producing surfactants (nonionic and cationic), emulsifiers, friction modifiers, corrosion inhibitors and base fluids from natural, renewable resources. Our experience with a wide variety of chemistries including amides, alkoxylates, specialty esters and quaternary compounds allows us to aid our customers in developing unique blends for lubricating oils, greases, and fluids used in metal cutting, grinding, forming, and cleaning applications.

We also offer specialized toll manufacturing and blending services that are suitable for many types of lubricants and metalworking fluids, including those used in food and pharmaceutical manufacturing/processing facilities.

PRODUCTS & SERVICES

Products:

- Group V Base Fluids
 - Natural Oils
 - Synthetic Esters
- Friction Modifiers
- Surfactants
- Emulsifiers

Markets:

- Biobased
- Food Grade
- Specialty Synthetic
- Greases
- Marine
- Industrial
- Forestry/Agriculture
- And others

Flexibility:

- Order quantities
- Package types

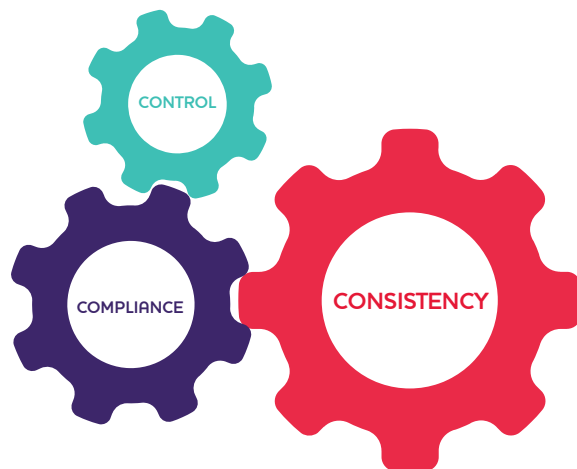


Certified:

- ISO 9001
- ISO 14001*
- OHSAS 18001*

QUALITY MANUFACTURING EXPERTISE

We make our ingredients through a consistent, compliant and controlled supply chain representing the 3 Cs of manufacturing. This allows us to deliver quality products reliably, consistently, and in compliance with regulatory and customer requirements.



*Applies to certain products.

PRODUCT PORTFOLIO

Surfactants and Emulsifiers

Product	Chemical Name	HLB	Acid Value	SAP Value
Acconon® CA-5	Polyoxyethylene 5 castor oil	3.7	2 max	135-150
Acconon CA-40	Polyoxyethylene 40 castor oil	12.2	2 max	60-80
Acconon CO-5	Polyoxyethylene 5 coconut glycerides	8.9	2 max	139-152
Acconon CO-7	Polyoxyethylene 7 coconut glycerides	13.1	2 max	95-105
Acconon CO-30	Polyoxyethylene coconut glycerides	15.8	2 max	49-59
Acconon EMG	Ethoxylated mono-/diglycerides	13.2	2 max	65-75
Acconon 400 MO	PEG 400 monooleate	11.7	2 max	80-90
Acconon 400 DO	PEG 400 dioleate	8.8	2 max	110-122
Acconon PSTO-20*	Ethoxylated sorbitan ester	10.3	2 max	85-95

Friction Modifiers

Product	Chemical Name	Form @ 25°C	HLB	Acid Value	Iodine Value	a-Mono-glycerides
Caplube® GMO-50	Glyceryl monooleate	Semi-solid	2.6	2 max	95 max	→50% (as oleate)

Synthetic Esters

Product	Description	Viscosity cSt @ 40°C	Viscosity cSt @ 100°C	Pour Point (°C)	Flash Point (°C)	Acid Value
Caplube® 9048L	Complex ester, very low pour point	48.5	8.2	-60	250	0.5 max
Caplube 9400	Complex ester	400	39.9	-36	300	0.2 max
Caplube H9104	Complex ester, high viscosity	1,040	100	-25	300	1.0 max
Caplube H9170	Complex ester, very high viscosity	1,700	125	-20	300	0.3 max
Caplube H947K	Complex ester, ultra-high viscosity	47,000	2,000	N/A	320	0.2 max
Caplube G810	Glyceryl tricaprylate/caprate	14	3.6	-12	240	0.1 max
Caplube NPGC	Neopentyl glycol dicaprylate/caprate	8	2.4	-45	201	0.5 max
Caplube MQ-10	Proprietary ester blend	9	2	-12	208	0.1 max

Vegetable Oils

Product	Description	Viscosity cSt @ 40°C	Viscosity cSt @ 100°C	Iodine Value (cg I ₂ /g)	Moisture Value	Pour Point (°C)	Flash Point (°C)
Pureco® CO	Canola oil	35-38	8-9	105-130	0.2 max	-24	>250
Pureco CH	Canola oil, high oleic	38-40	8-9	85-108	0.2 max	-24	>250

*Developmental

Start Formulating Today

Let us Help!

LUBRICANTS & METALWORKING FLUIDS



Need formulation assistance?

Let our technical team assist you in your formulation needs, email John Zarroli at jzarroli@abiteccorp.com



Need a sample?

Please visit our website at <http://www.abiteccorp.com/samples>



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