

# SYNTEC additives



"We are dedicate to giving our customers  
the finest quality and service available.  
Customers are valued partners who permit  
us to remain in business  
we are privileged to serve their needs."



# THE COMPANY

SYNTEC's story began in 1998, when Tannin chulchue and Pipapon sakprapatsorn started manufacturing chemicals for rubber processing in Bangkok, Thailand. In 2005 we decided to open a new production site in Nonthaburi to cater to the expanding needs of its growing customer. For 20 years, our employees have been using science and ingenuity to create innovations that play a critical role in the everyday lives of many millions of people.

## Our Business Divisions

SYNTEC is comprised of four divisions, each of which has in-depth expertise in specific chemistries and technologies and leading positions in the markets they serve.



## Ours potential products,

### What we made

- Defoamer /antifoam
- Oil emulsion
- Wax emulsion
- Mold Release Agent
- Agriculture chemical formulator
- Rubber plasticizer
- Antioxidant emulsion



We made competitive functional chemical for varieties industries With over 20 years experience in emulsion and defoamer products.



# Defoamer,Antifoam

We made Defoamer and Antifoam for water base system



**SYNTEC** has years of experience in the field of defoamers and will help you to find the correct solution to your individual needs.

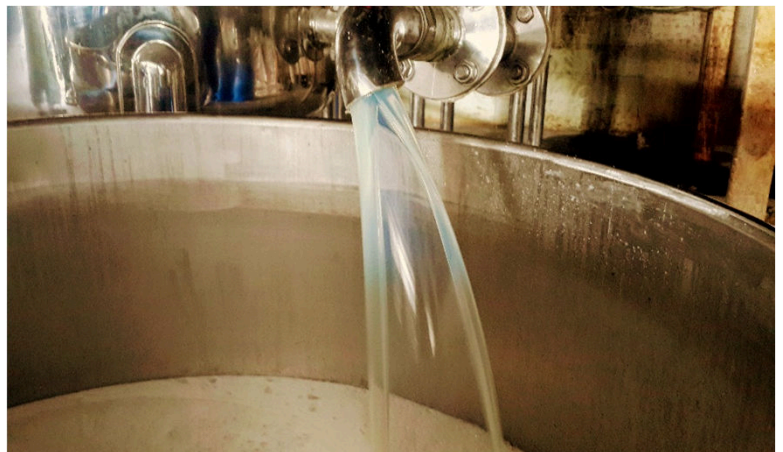
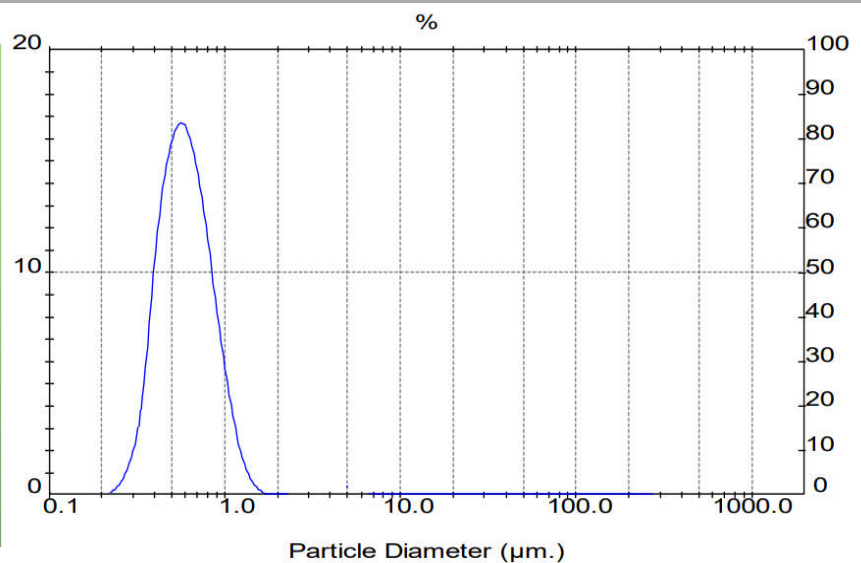
**SYNTEC** products are designed for both immediate (defoamer) and persistent control (antifoam) formulations, and are available in compound powder forms, non silicone and silicone-based products for aqueous system.

- FOAMIN™ 74N
- FOAMIN™ 712
- FOAMIN™ 716
- FOAMIN™ 725
- FOAMIN™ 7237
- FOAMIN™ 744
- FOAMIN™ AFN 37
- FOAMIN™ 460
- FOAMIN™ 460D
- FOAMIN™ 730D9
- FOAMIN™ AFN60
- FOAMIN™ 3750
- Silicone base defamer
- Antifoam A 11 silicone base 10% in emulsion form.
- Antifoam A 21 silicone base 20% in emulsion form.
- Antifoam A 31 silicone base 30% in emulsion form.
- AFC-2D 100% Antifoam compound

SYNTEC products are designed for both immediate (defoamer) and persistent control (antifoam) formulations, and are available in compound, emulsion, powder forms, non silicone and silicone-based products for aqueous system.

# EMULSION

- Emulsions are commonly used in many industrial. For water based products, it is highly desirable to control the droplet size distribution to improve storage stability, top performance and in-use property.
- We preparation of uniform-sized of oil and wax microemulsions with droplets **diameters (0.3-0.6 $\mu\text{m}$ )** using our novel emulsification technique.
- Emulsion particle size and distribution were characterized by **laser diffraction particle size analyser**.



- With SYNTEC's special technics, and specially designed machines the particle size of the emulsion is very small.
- With quality control at every stage of production, the product is consistent and safe.

# OIL & WAX EMULSION

We produce an emulsion for top performance of material .

- Silicone in water emulsions useful for example in toiletry and cosmetic products such as shampoos and skin creams, household cleaning products such as liquid detergents, textile process additives such as hydrophilic/hydrophobic modifiers and softeners, and release agents such as mold release and release coatings used for example on backings for adhesive products.
- Our silicone emulsions are a stable products with a sub-micron droplets **diameters (0.3-1.0  $\mu\text{m}$ )** .
- Our silicone emulsions are without Alkyl phenol ethoxylate surfactant.

Silicone oil EMULSION	%
LEASTER™ 657	60-62%
LEASTER™ 6280	60-62%
LEASTER™ 6580	62-65%
LEASTER™ 6280 HV	62-65%
LEASTER™ 641	60-62%
LEASTER™ 353	35-36%
LEASTER™ 393	39-40%



# OIL & WAX EMULSION

We produce an emulsion for top performance of material .

WAX EMULSION	%
<b>Paraffin wax</b>	
• Fully refined Paraffin wax	35-50%
• Semi refine Paraffin wax	35-50%
• Paraffin slack wax	35-50%
<b>Anti-ozone wax</b>	
• OKN WAX	35-40%
• ATL WAX	35-40%
• RPS WAX	35-40%
<b>Oxidized polyethylene wax</b>	
• OPE 35N	35%
• OPE 35M	35%
<b>Carnauba wax</b>	
• CAWAX 201™	20-25%
• CAWAX 401™	40%
<b>Palm wax</b>	25-40%
<b>Bee wax</b>	20-40%

# OIL & WAX EMULSION

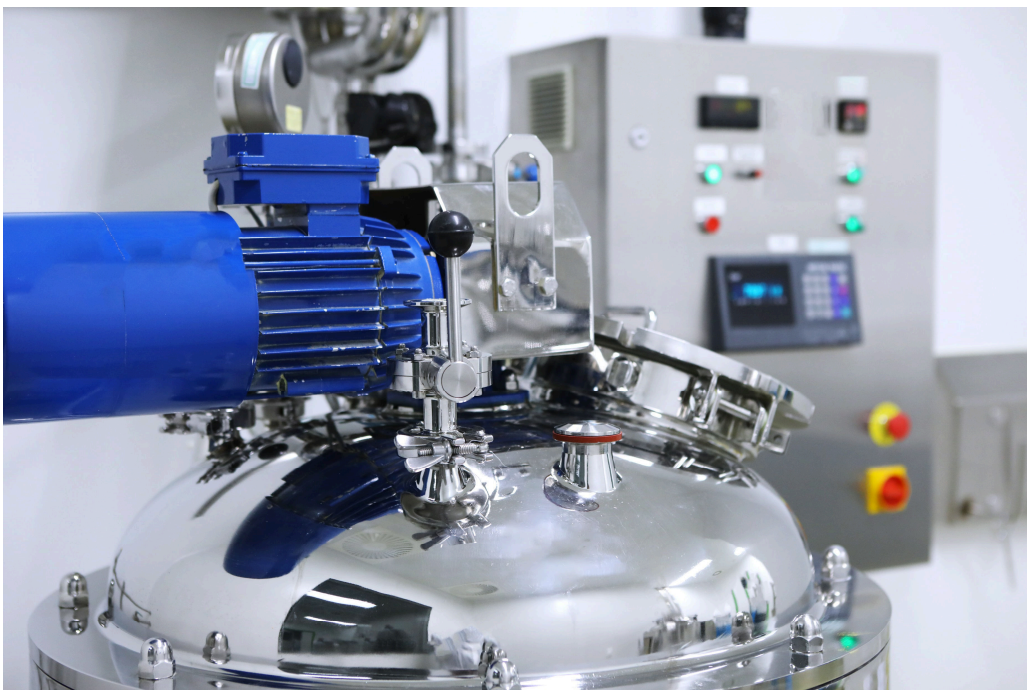
We produce an emulsion for top performance of material .



SPECIAL EMULSION	%
Antioxidant emulsion	50%
Paraffinic white oil	50-62%
Mineral oil emulsion	50-65%
Paraffin/Carnauba emulsion	40%
Paraffin/Polyethylene emulsion	35%

# RELEASING AGENT & Demolding

DEMOLDING	composition
Concrete form release	
• C-Release 2.1	Emulsifiable oil
• C-Release OB	Mineral oil
• C-Release XR 60	60% Emulsion
• C-Release XR 20	20% Emulsion
• C-Release 1210	50% Emulsion
Mandrel Release	
• CY-1	Block co-polymer
• CY-2	Block co-polymer
LEASTER™	PDMS Emulsion



# RELEASING AGENT & Demolding

SPECIAL Product	Function
ANTITACK ZG	Anti-tacking for rubber process
ANTITACK CG	Anti-tacking for rubber process
SYNTAWET XL	Wetting Agent ,agriculture
IMERZOL P-80	Rubber peptizer
IMERZOL 941	Rubber plasticizer



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