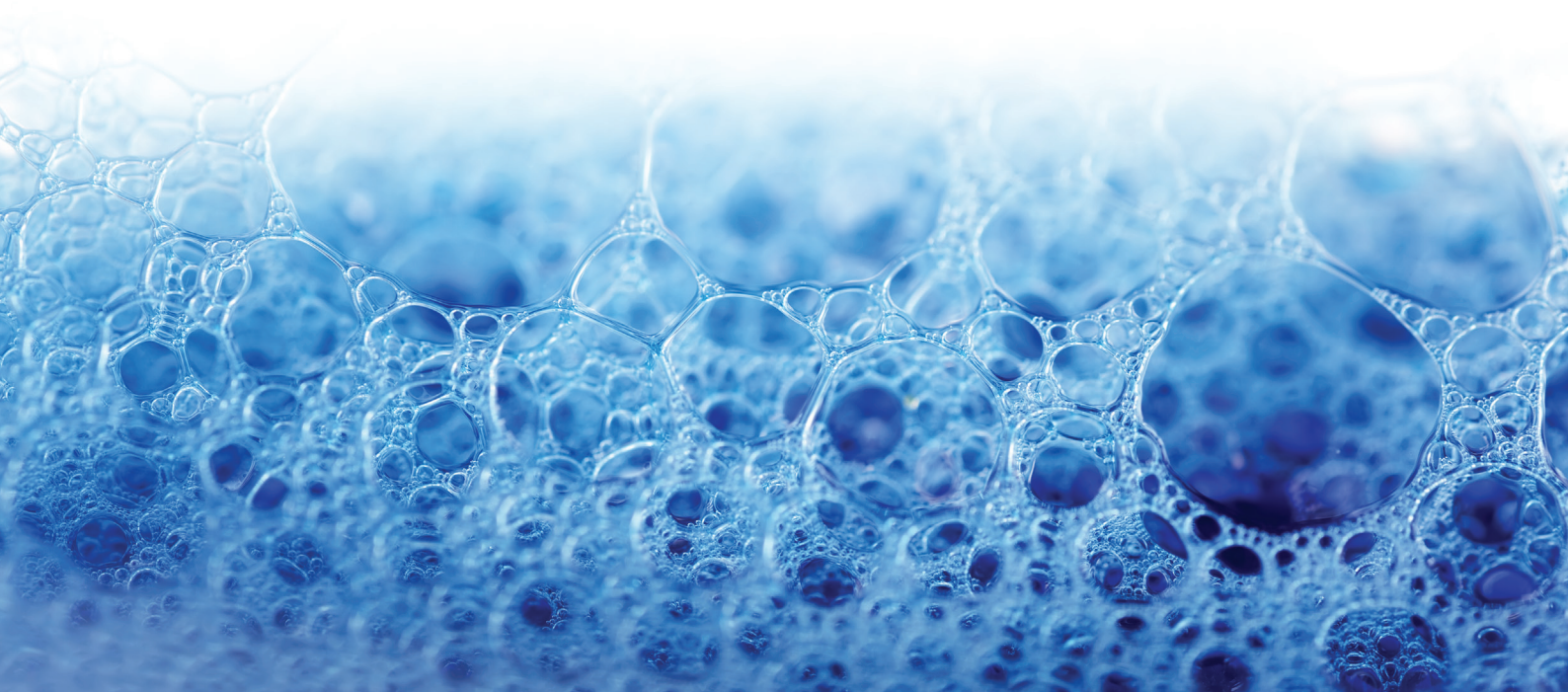




***FOAM* XTract**

***“When foam control
is mission critical”***





Tri-Tech Chemical Company is an Australian chemical manufacturer creating responsible solutions for a better tomorrow. We take locally produced and imported raw materials and transform them into solutions for our customers locally and around the world.

Our extensive chemical reaction capabilities and technical resources allow us to be flexible and responsive, offering our customers quality products in a timely manner. We support renewable and sustainable products and processes to minimise our impact on the planet.

The launch of the FOAM XTract range is an exciting new direction for Tri-Tech Chemical Company, but draws on the same principles, that we are dedicated to manufacturing niche foam control solutions for local customers and those further abroad.

Tri-Tech Chemical Company is proud to be a supply partner of Lamberti Chemical Specialties, servicing the surface coatings and agricultural chemicals markets in Australia and New Zealand with a range of synthetic and plant based polymers and specialty chemicals.



AGRICULTURAL

Supplying a wide range of products for agricultural chemical formulating.



MINERAL & INDUSTRIAL

Supplying the global mining industry with chemical solutions.



LUBRICANTS & SOLVENTS

Oleochemical based oils and esters for formulation of eco-friendly products.



SURFACE COATINGS & CONSTRUCTION

Rheology modifiers, foam control agents, PUDs and specialty chemicals



Foam Control Facts & Your Formulation

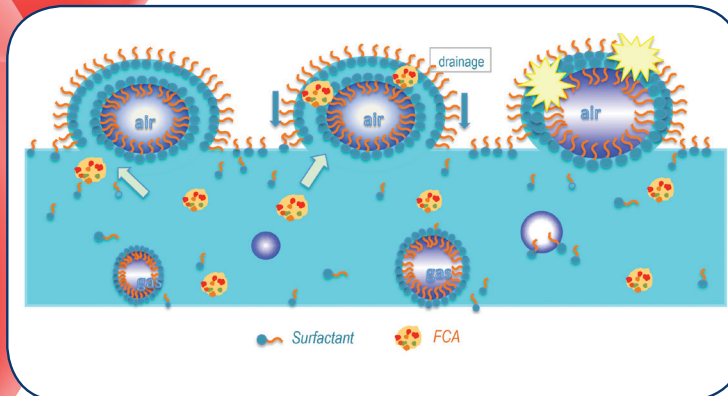
1

MANUFACTURING PROCESS AND FOAM CONTROL

Manufacturing processes require foam control in 3 separate yet equally important stages:

- 1. Antifoam agent** to avoid the formation of foam particularly in the early stages of production.
- 2. Air Release agent** where gas has already formed in the process and needs to be released.
- 3. Defoamer agent** in the final stages of production where you need to rapidly destroy foam that has been generated.

SPREADING ACTIVITY IS ESSENTIAL FOR REDUCTION OF THE BUBBLE'S ELASTICITY WHICH FACILITATES BURSTING OF THE LAMELLA.



3

FCA PHASE STABILITY, DEFOAMING EFFICIENCY & SYSTEM COMPATIBILITY

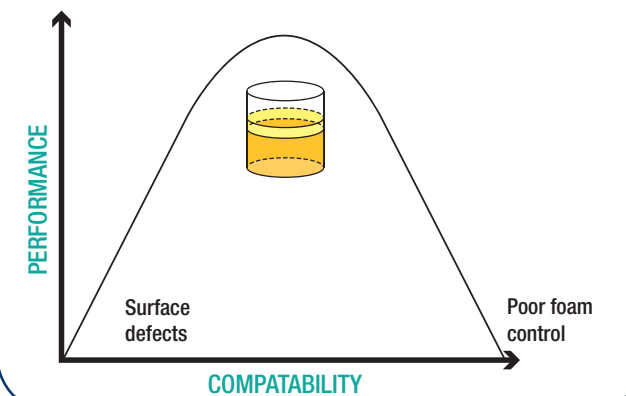
Foam control requires a careful balance between foam control efficiency and compatibility in the subject fluid.

If compatibility is too high the defoamer will be highly dispersed in the fluid.

The defoamer needs to migrate to the surface of a bubble to work, but if it is too incompatible it will cause surface defects.

PERFORMANCE vs COMPATIBILITY

- Excellent foam control
- Freedom from defects
- Minimum phase separation/highly dispersible



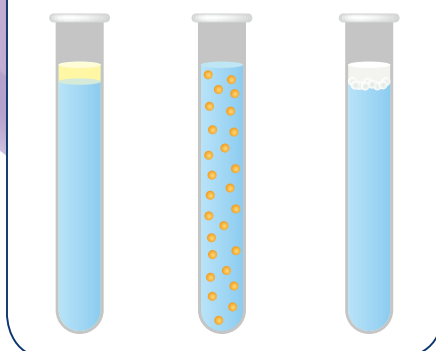
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DISPERSIBILITY & THE HLB VALUE OF THE FOAM CONTROL AGENT

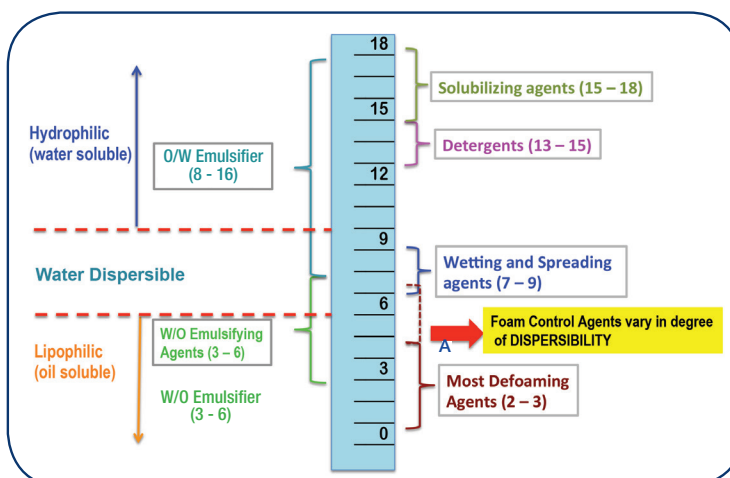
Understanding the key properties of the formulation will lead to better determination of the foam control agent.

Tri-Tech will assist you to determine the ideal FCA based on assessment of HLB and dispersibility in your formulation.

FCA dispersion stages



HLB NUMBER FOR CLASSES OF SURFACTANTS

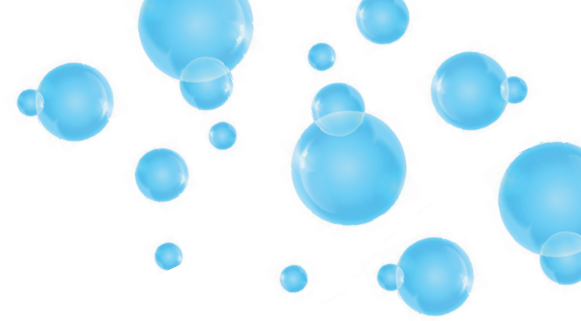


4

PERFORMANCE AND LONGEVITY

Addressing your manufacturing process and compatibility between your formulation and the FCA is key to ensuring superior foam control, freedom from surface defects and outstanding product longevity.





FOAM XTract Range

SERIES	KEY PROPERTIES	INDUSTRY APPLICATION											
		Coatings	Construction	Agricultural	Printing Ink	Food Processing	Chemical Plastics Manufacturing	Rubber Glove Manufacturing	Adhesives	Polymers	Wood & Furniture Coatings	Pigment Dispersion	Industrial Applications
FOAM XTract Series 1 Mineral oil based	<ul style="list-style-type: none"> General Purpose Defoamers with selected additives APEO & Silicon Free Unique emulsifiability 	✓	✓	●	✓	●	✓	✓	✓	✓	✓	●	✓
FOAM XTract Series 2 Light Hydrocarbon based	<ul style="list-style-type: none"> Most Cost Effective Flexibility on active(s) selection Excellent Dispersibility 	✓	●	●	✓	●	✓	✓	✓	✓	●	●	✓
FOAM XTract Series 3 Water based	<ul style="list-style-type: none"> Versatile Organic and Inorganic Hydrophobes Eco Friendly 	✓	●	✓	●	✓	●	●	●	✓	✓	●	●
FOAM XTract Series 5 Polyether based	<ul style="list-style-type: none"> Highly efficient APEO, Silicone & Mineral Oil Free High phase stability & Longevity 	✓	✓	●	✓	●	✓	●	✓	✓	✓	✓	✓
FOAM XTract Series 6 Multiple	<ul style="list-style-type: none"> Most Versatile Series Zero VOC Flexible Dispersibility 	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
FOAM XTract Series 7 PDMS emulsion based	<ul style="list-style-type: none"> 100% active Low dosage rates APEO Free 	●	✓	✓	●	✓	●	●	●	●	●	●	●
FOAM XTract Series 9 BIO Oil based	<ul style="list-style-type: none"> Zero VOC Readily dispersible Highly efficient , long lasting foam control 	✓	●	✓	●	✓	●	●	●	✓	✓	●	●

✓ Recommended ● Suitable

Unique Solutions



Industries are evolving to higher performing products and technologies, requiring equally high performing foam control agents.

Tri-Tech Chemical Company offer eco-friendly products with high activity control against micro and macro-foam. We offer individual analysis of your subject fluid and

determination of the best foam control agent for a highly functional and cost effective solution.

Call us today to begin the search for the best foam control agent for your system.



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