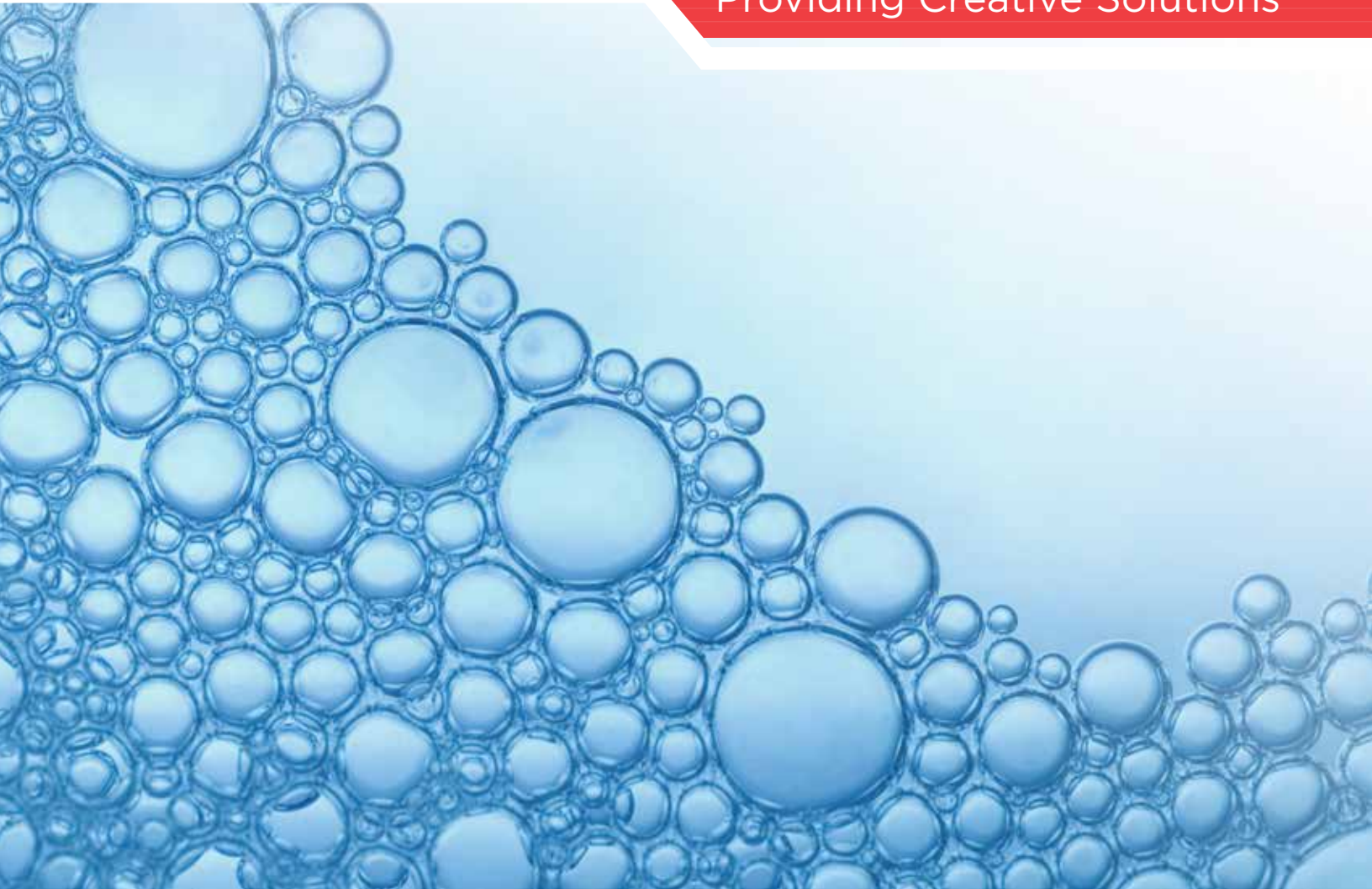


Providing Creative Solutions



Foam Control Products



Hydrite

Foam Control Products

About Hydrite

Established in 1929, Hydrite is one of the largest chemical manufacturers and suppliers in North America. Hydrite was built upon a backbone of chemical distribution and later diversifying into specialty chemical manufacturing to offer a full chemical supply package to every one of our customers. We work hard in providing creative solutions to our customers to deliver plant efficiency and an improved operating profit for those customers.

One of Hydrite's strengths and greatest assets is the technical capacity of our people and the experience they bring to our organization, and ultimately, yours. With each employee fully supporting our mission - which is to be 100% accountable for customer satisfaction - we give you the technical expertise and personal attention that you deserve. Our focus is on our customers and that is the difference you will experience.

Our Primary Focus



- Food Processing
- Sugar Processing
- Fermentation
- Paints and Coatings
- Pulp and Paper
- Wastewater Treatment
- Building Materials

Disclaimer: The products found within are our “go to” products for the given application. Many products are not listed that may actually fit an application better. It is always highly recommended to discuss with your sales representative or contact our technical team for the best chemistry for a stated application.

Food Processing

In the food processing market space, Hydrite offers a full line of defoamers and antifoams approved for use in numerous FDA applications. Defoamers and antifoams are defined as food-grade processing aids under Generally Recognized As Safe (GRAS) or 21CFR 173.340. Our food-grade foam control products carry Kosher approval.

++ : Highly Recommended + : Recommended - : Not Recommended

Potato Processing

Product	Type	French Fries	Potato Chips	Wastewater	Activity
MCA 8123S	Hybrid	++	+	+	100%
Suppressor 3415	Hybrid	++	++	+	100%
Suppressor 3461	Non-GMO	+	++	+	100%
Suppressor 3112	Silicone Emulsion	+	+	++	10%



Food Processing

Dairy Processing

Product	Type	Cheese	Whey	Wastewater	Activity
Suppressor 3112	Silicone Emulsion	++	-	++	10%
Suppressor 3471	Vegetable Oil	++	++	+	100%
Suppressor 3583	Hybrid	++	++	+	100%
Suppressor 3569	Ester	++	++	+	100%

Vegetable Processing

Product	Type	Washing	Canning	Wastewater	Activity
Suppressor 3112	Silicone Emulsion	++	+	++	10%
Suppressor 3130	Silicone Emulsion	++	+	++	30%
Suppressor 3583	Hybrid	++	++	+	100%

Beverage Processing

Product	Type	Soda	Fruit	Nutritious	Beer	Activity
Suppressor 3112	Silicone Emulsion	++	++	-	-	10%
Suppressor 3130	Silicone Emulsion	++	++	-	-	30%
Suppressor 3583	Hybrid	-	++	++	+	100%
Patcote 376K	Vegetable Oil	-	+	++	++	100%

Organic Food Processing

Product	Approval Type	<140°F	>140°F	Vegetables	Soy Based Products	Activity
Suppressor ORG 60	Organic Approved	++	++	++	++	100%

Sugar Processing

Hydrite is considered the market leader in foam control technology for the processing of sugar beets. We offer a fully integrated line of technology to handle foaming in all areas of the sugar manufacturing and waste process.

Flumes

Product	Type	Pour Point	Non-Silicone	Animal Feed Approved
Suppressor 3522	Ester	25°F	Yes	Yes
Suppressor 3526	Ester	25°F	Yes	Yes

Process

Product	Type	Pour Point	Non-Silicone	Animal Feed Approved
Suppressor 3533	Ester	10°F	Yes	Yes
MCA 240	Polyol	-4°F	Yes	Yes

Sugar Concentrating

Product	Type	Pour Point	Non-Silicone	Animal Feed Approved
MCA 248	Polyol	10°F	Yes	Yes
MCA 257H	Polyol	10°F	Yes	Yes

Fermentation

Hydrite sells many chemicals into the fermentation market to assist in efficient plant and process operation. Our foam control technology is used in many applications including yeast, amino acids, essential nutrients, alcohol and biofuels.

Yeast

Product	Type	Activity	Safe for Microbes	Quick Spreading	FDA Compliant
Suppressor 3721	Polyol	100%	Yes	+	Yes
Suppressor 3900	Polyol	100%	Yes	+	Yes

Amino Acid / Citric Acid

Product	Type	Activity	Safe for Microbes	Animal Feed Approved	FDA Compliant
MCA 222	Polyol	100%	Yes	Yes	Yes
MCA 240	Polyol	100%	Yes	Yes	Yes

Alcohol

Product	Type	Activity	Distillation	Fermentation	Wastewater	FDA Compliant
Suppressor 3112	Silicone	10%	Yes	Yes	Yes	Yes
MCA 240	Polyol	100%	Yes	No	No	Yes

Paints and Coatings

In a world that is ever-so-changing, customers need a partner who is flexible enough to accommodate their diverse changing needs. Technical knowledge, product quality, problem-solving ability, and speed to market are just a few of our core focuses. Reach out to one of our staff members today and understand what makes us unique to the industry.

Industrial

Product	Shear Required	Alkyd	High Solids Alkyd	Resin Type				Activity
				Epoxy	2-P Poly urethane	PVC Co-polymers	Thermo-plastic Acrylic	
Patcote 525	++	+	++	+	+	+	-	100%
Patcote 577	++	+	++	+	++	+	-	100%
Suppressor 2132	++	++	++	++	++	+	-	100%
Suppressor 2231	++	+	+	+	++	+	+	100%
Suppressor 2233	++	+	+	+	++	+	++	100%
Suppressor 2324	+	++	++	++	++	++	++	100%

Pulp and Paper

Hydrite has a long history in the pulp and paper market supplying quality product and providing solutions for higher efficiency in making paper products. Our foam control offerings stand as a standard in the industry and helps our customer base provide efficient throughput without the hassle of surface foaming or entrained air.

Pulp Process

Product	Type	Activity	Deaeration	Help in Drainage	Silicone	FDA Approval
Patcote 801	Mineral Oil	100%	No	Yes	No	Yes
Suppressor 1723	Organosilicone	45%	Yes	Yes	Yes	Yes
Suppressor 2319	Ester	100%	Yes	Yes	No	Yes



Pulp and Paper



Paper Machine

Product	Type	Activity	Deaeration	Surface Foam	Silicone	FDA Approval
Suppressor 1128	Fatty Alcohol	25%	Yes	Yes	No	Yes
Suppressor 1145	Fatty Alcohol	31%	Yes	Yes	Yes	Yes
Suppressor 1155	Fatty Alcohol	18%	No	Yes	No	Yes
Suppressor 1157	Fatty Alcohol	18%	Yes	Yes	Yes	Yes

Wastewater Treatment

Hydrite has worked in the treatment of wastewater for a long time. Our full line of foam control chemistry is unique to the market and is anchored by our fatty alcohol technology. Second to none, our fatty alcohol emulsions deliver powerful foam control at a relatively low operational cost to provide efficient control of foam to the operator.



Aeration Basin

Product	Type	Activity	Surfactant Foam	Biological Foam	Microbe Safe	Freezable
Suppressor 1157	Fatty Alcohol	18%	+	+	Yes	Yes
Suppressor 1310	Silicone	10%	++	-	Yes	Yes
Suppressor 2353	Polyol	100%	+	++	Yes	Yes
Suppressor 2360	Polyol	100%	-	++	Yes	No

Wastewater Treatment

Anaerobic Digester

Product	Type	Activity	Typical Dosage	Microbe Safe	Viscosity (cps)	Freezable
Suppressor 2360	Polyol	100%	15 ppm	Yes	212	No
Suppressor 2369	Polyol	100%	10 ppm	Yes	415	No



Outfall

Product	Type	Activity	Aquatic Toxicity	Quick Spreading	Good Knockdown
Suppressor 1310	Silicone	10%	V. Low	Yes	Yes
Suppressor 1157	Fatty Alcohol	18%	V. Low	Yes	Yes

Building Materials

Hydrite offers competitive solutions to foam in the major applications within the building and construction materials market. In these markets, foam can be a serious impediment to manufacturing quality materials. We offer products that will help alleviate foaming in these areas and help you, the customer to deliver high quality products.

Board Processing - OSB and Particle / Fiberboard

Product	Type	Activity	Low Temp. Performance	High Temp. Performance	Wastewater
Suppressor 1145	Hybrid	31%	++	++	++
Suppressor 1615	Hybrid	30%	++	+	++
Suppressor 2231	Mineral Oil	100%	++	++	+

Grouts and Sealants

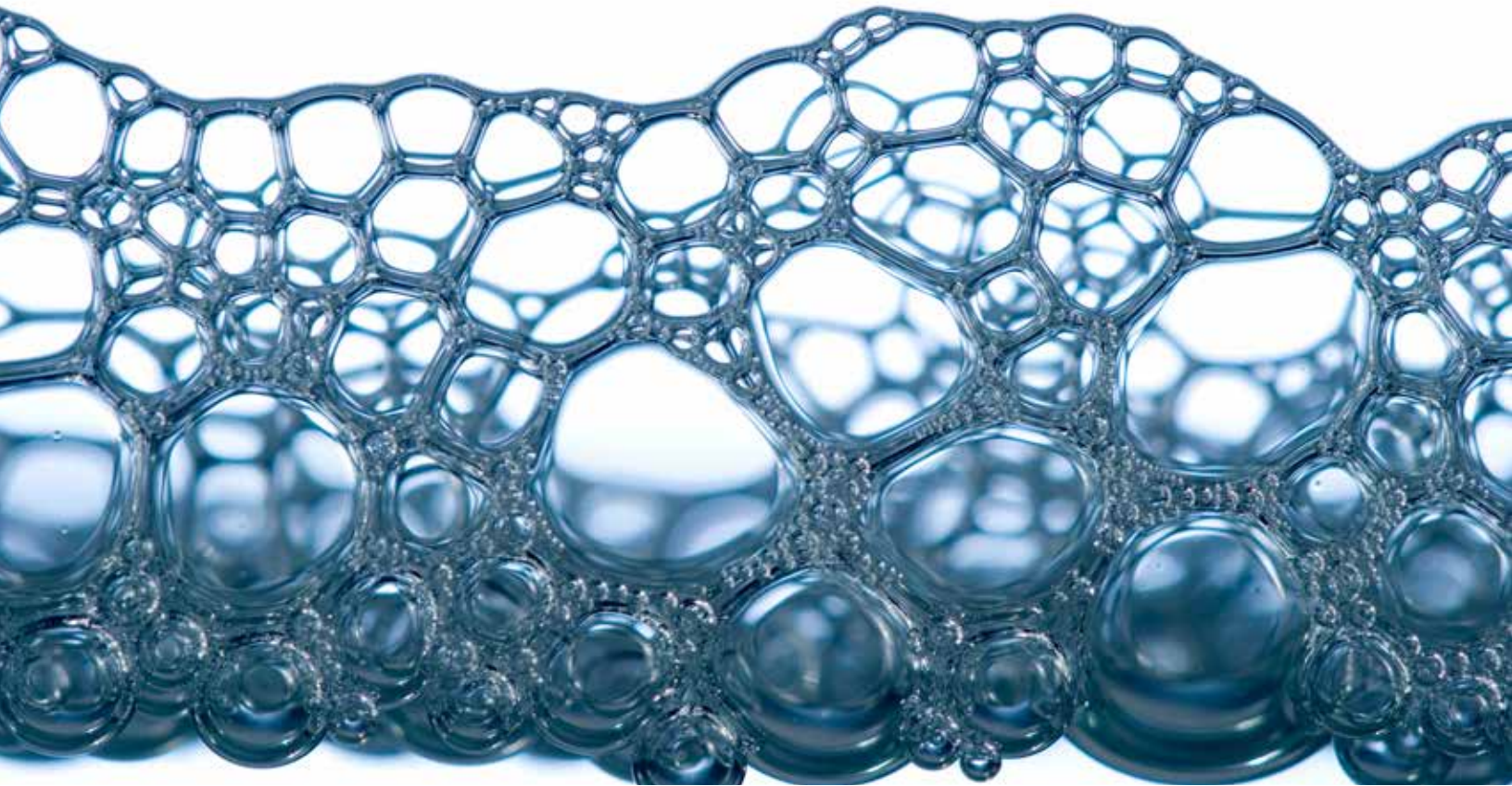
Product	Type	Activity	Use in Liquid Latex	Quick Air Release
Suppressor 1310	Hybrid	10%	Yes	No
Suppressor 2218	Hybrid	100%	No	Yes
Suppressor 2231	Mineral Oil	100%	No	Yes

Interested in any of our products?
Request a sample today!



Providing Creative Solutions

Please contact our personnel to discuss our product offering and explore the options to improve your operations. We will have our experts visit for a survey and custom design a system specific to your needs.



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