Committed to Sustainability

At DyStar, our products and services help customers worldwide reduce costs, shorten lead times and meet stringent quality and ecological specifications.



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econfidence® from DyStar

DyStar®

Foam Control for Food Grade Applications

Full line of defoamers for a broad market of food, fermentation and beverages











Foam Control for Food Grade Applications

DyStar Foam Control in Cheyenne, WY provides a full line of foam control solutions for food grade applications with outstanding consistency, performance, and reliability. Our facilities and packaging expedite the manufacturing of high quality products that meet FDA/FSMA, USDA, GFSI, Organic and NSF regulations, as well as Kosher and Halal requirements.

DyStar's Foam Blast®, KFO, Masil®, and Mazu® defoamers are produced in a dedicated food-grade facility that is HACCP, SQF/GFSI, Kosher, Halal, and ISO 9001:2015 certified. DyStar is committed to food quality and safety, with approvals for secondary animal feed applications.

Fermentation & Spirits: Our full line of defoamers, anti-foams, and process aids for fermentation are used to produce ethanol, enzymes, yeast, pharmaceuticals, distilled spirits and certain beverages. These are formulated to provide the least interference with oxygen transfer. DyStar also provides antiscalants for cleaning vessels and improved production, evaporator and process cleaners, recovery polymers, yeast emulsifiers and enzymes.



Liquid & Powdered Beverages: In liquid beverages, foam control products can be used as processing aids or food additives in production and/or filling of beverages, including carbonated/non-carbonated fruit, sports drinks, diet & energy drinks, protein drinks and supplements. For powdered beverages such as flavored waters and teas, DyStar has powdered defoamers to reduce foaming at ambient and hot temperatures.



Sugar & Sweetener Production: Applications for DyStar's foam control products reduce foaming in many parts of the sugar and sweetener production process, including the flume, washing, processing (cold/hot), evaporation, pans, molasses and fermentation.



Potato Processing: Multiple applications of foam reduction exist within the process related to the rinsing and transport of raw potatoes, as well as slicing, blanching, coating and transport of potatoes before frying and processing.



Dairy: Milk itself cannot contain any processing aids or additives, but any other dairy product not sold as "milk" may contain processing aids or additives, including foam control products. Contact us to discuss which specific regulations are needed for your application in order to determine an appropriate product recommendation.



Egg Washing: Defoamers are added in the final stages of the egg washing process. Defoamer usage requirements may be impacted by variables of the eggs and the amount of breakage during the processing, as more breakage will increase foaming. Special regulations may apply to the egg washing application.



Grain Processing: Applications for foam control include washing, steep water, degerminators, centrifugal separators, milling, starch liquefaction (saccharification), starch modification, fermentation and preparation.



Protein Isolates / Soy: Applications for foam control include some extraction processing steps at low and high pH, drainage within the process area, and wastewater treatment, especially for tofu production.



Fruit & Vegetable Processing: Foam control is often needed in the cleaning of raw fruits and vegetables as well as other processing steps, field washing, fluming and especially if juice is involved. Belt release agents are often used to allow sliced fruit and vegetables to be released from transport conveyor belts.



Meat, Poultry & Seafood Processing: Applications for foam control include drainage lines within the meat process area, dehairing of veal and pork, whole blood processing, rendering of beef, defeathering and rendering of chicken, cleaning and processing of seafood often involving brine solutions, as well as drainage within the process area and waste treatment.



Salty Snacks: Even though salty snacks are often baked and do not use water as a product transport medium within the process, often there are product dip baths before salt and/or seasonings are added that require foam control.



Smoked Flavoring: DyStar provides products for applications in and around processing areas for smoked and other flavorings.



Mineral Processing: Food-grade products may be required in the mining and processing of minerals when they will be potentially used in food grade applications, which include bicarbonate.

Organic Applications: DyStar provides foam control products that are Organic Certified under the USDA National Organic Program for use in a variety of "organic" food grade applications.

Foam Control for Food Grade Applications: SILICONE

DyStar®

SILICONE Foam Control Products	GMO Status	NSF	Kosher	Halal	Grains (Soy, Pea, Corn, Barley, Sorghum, etc.)			Sugar	Beverages			Potato/ Snacks	Fermentation (Yeast, Enzyme, Biotech, etc.)		Fruits & Vegetables			Animal Products					General Purpose				Industrial Uses
	Contains GMO-derived materials	Reviewed Category	· Certified Kosher (K) · Kosher for Passover (KP) · KP for Sugar Industry (KP*)	Certified	Biodiesel Processing / Distillation	Processing, Milling	Protein Isolate Processing & Filling/Packing	Processing, Flume, Beet end, Purification, Sugar end	Juices, Tea, Coffee	Carbonated Beverages	Protein Beverages - Plant-based, Animal-based	Processing, Peeling/Slicing, Washing, Blanching, Starch Recovery	Processing	Brewing / Distilling	Processing, Flumes/Washing	Belt Release Agents	Pickle Curing / Processing	Meat Products, Blood Processing, Rendering & Dehairing, Glue and Gelatine	Brine / Meat Injection	Seafood	Dairy Processing, Filling / Packaging, Whey Protein	Egg Washing	General Purpose Food Processes	Flavors / Fragrances, Smoke Flavoring, Sweeteners	Paper / Paperboard	Cleaners / Sanitizers	Wastewater, Textiles, Inks, Detergents, Oil/Gas Processing, Fertilizers & Pesticides, Lubricants
Foam Blast® 10K			KP	●								●					●	●				●	●			●	
Foam Blast® 106CT		Q5	KP	●		●			●				●		●		●	●		●		●	●			●	
Foam Blast® 150K		5A, 5C Q5	KP	●	●	●			●				●	●	●		●	●		●		●	●	●		●	
Foam Blast® 500A			KP	●					●										●		●		●				
Foam Blast® DHS	●		KP*	●		●	●		●	●		●			●						●						
Foam Blast® PDR 10 (POWDER)	●		K	●																			●				●
KFO 105			KP	●	●	●			●				●		●			●		●						●	
KFO 107	●	Q5	KP	●									●	●									●			●	●
KFO 205			KP	●	●	●			●				●		●			●		●		●				●	
KFO 305			KP	●	●	●			●				●		●			●		●		●				●	
KFO 639B	●		K				●	●		●	●	●	●												●		●
KFO 1204A	●		K	●			●			●		●															
KFO 6450	●		KP*	●								●	●														●
KSIL 100S			KP	●								●						●					●			●	
Masil® EM 350	●		KP	●												●									●		●
Masil® SF 350FG			KP																				●			●	●
Masil® SF 1000			KP																				●			●	●
Mazu® DF 200SC			KP	●																			●				
Mazu® DF 210SC			KP	●																			●				
Mazu® DF 230SC		5A, 5C Q5	KP	●																			●				

Foam Control for Food Grade Applications: NON-SILICONE

DyStar®

NON-SILICONE Foam Control Products	GMO Status	NSF	Kosher	Halal	Organic	Grains (Soy, Pea, Corn, Barley, Sorghum, etc.)			Beverages			Sugar	Potato/ Snacks	Fermentation (Yeast, Enzyme, Biotech, etc.)			Fruits & Vegetables	Animal Products				General Purpose			Industrial Uses
	Contains GMO-derived materials	Reviewed Category	· Certified Kosher (K) · Kosher for Passover (KP) · KP for Sugar Industry (KP*)	Certified	Food Processing, Protein, Soups, Agricultural Products	Biodiesel Processing / Distillation	Processing, Milling	Protein Isolate Processing & Filling/Packing	Juices, Tea, Coffee	Carbonated Beverages	Protein Beverages - Plant-based, Animal-based	Processing, Flume, Beet end, Purification, Sugar end	Processing, Peeling/Slicing, Washing, Blanching, Starch Recovery	Processing	Brewing / Distilling	Packaging	Processing, Flumes/Washing	Meat Products, Blood Processing, Rendering & Dehairing, Glue and Gelatine	Dairy Processing, Filling / Packaging, Whey Protein	Egg Washing	Poultry Processing, Defeathering & Tendering	General Purpose Food Processes	Flavors / Fragrances, Smoke Flavoring, Sweeteners	Mineral / Mining	Wastewater, Textiles, Inks, Detergents, Oil/Gas Processing, Fertilizers & Pesticides, Lubricants
Foam Blast® 300K	●		KP*	●				●			●		●				●		●			●			
Foam Blast® 610			K	●			●	●																	
Foam Blast® 637D			KP	●		●						●		●			●								
Foam Blast® 682	●		KP*	●				●					●	●											●
Foam Blast® 1234	●		K	●									●							●					●
Foam Blast® AML	●		KP*									●													
Foam Blast® DPT	●	5A	KP*	●			●	●			●		●				●		●						
Foam Blast® E882			KP									●	●	●	●			●		●	●		●		
Foam Blast® F111-GF			K	●								●		●	●	●									
Foam Blast® F8100			KP	●								●	●	●	●			●		●	●		●		
Foam Blast® KRD	●		K	●				●					●				●								●
Foam Blast® ORG 40		5A, Q5	KP*	●	●						●		●				●					●			
Foam Blast® S5590	●		KP*	●								●		●	●										
Foam Blast® SFL			KP*	●								●	●												
Foam Blast® USA	●		KP*									●													
KFO 200			KP	●								●		●	●									●	●
KFO 402			KP	●								●	●	●	●			●		●	●		●		
KFO 540	●		KP*									●													
KFO 555	●		KP*	●								●													
KFO 673	●		K											●	●									●	
KFO 770	●		KP*					●				●	●	●											●
KFO 880			KP	●									●	●	●	●		●		●	●		●		
KFO 6080A	●		K				●		●	●	●	●	●	●					●						
KFO 6101	●		KP				●											●			●				●
KFO 6499B	●		KP*	●			●		●	●	●	●			●		●	●	●						✖

✖ - Not allowed for non-food applications