

Product Name	ALPHA FOAMER®
Chemical Description	Ammonium Alkyl Ether Sulfate
CAS Registry No.	68891-29-2
Applications	ALPHA FOAMER is a new generation ammonium alkyl ethoxy sulfate containing a mix of oligomeric components that gives it unique properties in the manufacture of gypsum wallboard. ALPHA FOAMER provides maximum foaming power in soft and hard water, saturated brine, and gypsum solutions. ALPHA FOAMER is a cost efficient wallboard foamer that imparts uniquely improved characteristics to gypsum wallboard often enabling reductions in other additives. Advantages realized with ALPHA FOAMER are increased compressive strength of the wallboard and improvement in nail pull. ALPHA FOAMER is a patented Stepan product (US Patent Number 5,240,639).
Typical Properties	Appearance at 25 °C..... Clear, yellow liquid pH, 10% aqueous 7.0 - 7.5 Actives (EW 277), % 51-53 Pour Point, °C (°F) -25 (-13) Freeze Point, °C (°F)..... -25 (-13) Cloud Point, as is, °C (°F) -8 (18) Color, Gardner 4 max. Viscosity at 25 °C, cps 20 Viscosity at 60 °C, cps 7 Flash Point, PMCC, °C (°F) 28 (82) Density, g/ml (U.S. lbs/ gal)..... 1.03 (8.6) Critical Micelle Concentration (g/L) in D.I. Water..... 2.18 RVOC, U.S. EPA, % (Ethanol)..... 15
Biodegradability	Product is readily biodegradable. Additional information is available upon request.
Toxicity	Alkyl ether sulfates are practically non-toxic orally (LD ₅₀ >5 g/kg) and minimally irritating to skin and eyes at 1%.
Storage & Handling	Handle ALPHA FOAMER with care; use away from sparks and open flame. Use in well ventilated area. Contact with eyes, nose or prolonged skin contact should be avoided. Use gloves and safety goggles when handling ALPHA FOAMER. Wash thoroughly after handling material. <u>Standard Packaging:</u> ALPHA FOAMER is available in 55 gallon drums (462 lb/209 kg) and in bulk quantities. It is recommended that ALPHA FOAMER be stored in sealed containers and kept in a cool, dry place. ALPHA FOAMER should be stored in 316 stainless steel. Atmospheric storage with flame arrestor is recommended. All fittings should be electrically grounded. Material can be stored between 60 – 85 °F (15 – 29 °C). An internal hairpin coil of 316 stainless steel with low pressure steam (under 50 psig) should be used if heating is required. Pumps, pipes and transfer lines should be 316 stainless steel.
Clearances	All components of ALPHA FOAMER are listed in the following countries; the registration numbers for the active ingredients are listed in parentheses: Europe (NLP NO. 500-233-2), Canada (DSL 68891-29-2), Australia (AICS 68891-29-2), Philippines (PICCS 68891-29-2), and New Zealand (NZIoC 68891-29-2). China (IECSC), Japan (ENCS), Taiwan (TCSI), USA (TSCA).



Product
Stewardship

This product bulletin has been written in accordance with ACC's Product Stewardship guidelines.

Additional
Safety
Information

A Safety Data Sheet is available upon request.



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