

Product Bulletin



Product Name	STEP-FLOW [®] 4000
Chemical Description	STEP-FLOW 4000 is a polymethyl methacrylate-polyethylene glycol graft copolymer.
Applications	STEP-FLOW 4000 is a 30-35% active, aqueous based dispersant. It is a water soluble "comb" polymer dispersant used in suspo-emulsions and suspension concentrates.
CAS Registry Number	119724-54-8
Typical Properties	Appearance at 25° C
Other Data	DOT ClassificationNon-Hazardous
Storage & Handling	Normal safety precautions (i.e., gloves and safety goggles) should be employed when handling STEP-FLOW 4000. Contact with the eyes and prolonged contact with the skin should be avoided. Wash thoroughly after using the material.
	Standard Packaging: STEP-FLOW 4000 is made to order in bulk.
	Bulk Storage Information: STEP-FLOW 4000 can be stored in vessels of carbon steel but 316 or 304 stainless steel is preferred. Tanks should be closed with venting through a gooseneck vent. STEP-FLOW 4000 should be stored between 90-110 °F (32-38 °C). External steam panel coils can be used if heating is required. Pumps, pipes and transfer lines can be carbon steel but 316 or 304 stainless steel is preferred. Storage under nitrogen will prevent degradation of the product over time.
Workplace Exposure	Occupational exposure can occur primarily through skin contact or via inhalation of vapors and mists. Engineering controls, personal protective equipment, and other workplace practices should be used to control these exposures.
Clearances	All components of STEP-FLOW 4000 are listed in the following countries: United States (Polymer Exempt), Canada (DSL), New Zealand (NZIoC) and China (IECSC).
	STEP-FLOW 4000 is exempt from the requirement of a tolerance under 40CFR 180.910, 180.930, and 180.940a.
August 2016 Page 1 of 2	STEP-FLOW [®] is a registered trademark of Stepan Company.



It is the responsibility of the formulator to review the chemical control regulations for each country where the end product is intended to be sold or used.

Product Stewardship

Additional Safety Information

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

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A Safety Data Sheet is available upon request.

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