



BIODEGRADATION OF ALKANE SULFONATES

Applicable to these current Stepan products:

BIO-TERGE® PAS-7S	BIO-TERGE® PAS-8S	
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Biodegradation Information:

Available biodegradation data for Alkane Sulfonates with carbon chain length in the range of C8 to C14 show these substances to be readily biodegradative (90--95% within 14-16 days); (OECD 301E). Additional testing conducted under the OECD test method 301B show biodegradation rate of up to 87%.

Longer carbon chain alkane sulfonates (e.g. C18) were also shown to be readily biodegradable (81% removal in 30 days) in the Closed Bottle Test (OECD method 301D).

References:

(1) Alky Sulfates, Alkane sulfonates and Alpha-Olefin Sulfonates. SIDS Initial Assessment Report, 2007.

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