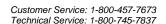


Stepan

Stepan Company 22 West Frontage Road Northfield, Illinois 60093 Telephone (847) 446-7500



www.stepan.com



BIODEGRADATION OF ALKANE SULFONATES

Applicable to these current Stepan products:

BIO-TERGE® PA S-7S BIO-TERGE® PA S-8S

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.

BIO-TERGE® is a registered trademark of Stepan Company.

Last Update: 1.10.12 Revision reference: BIO30.00

Last Modified by: Barbara Gomez on 01/10/2012 11:32:14 AM

•