

**Technical
Information**

Stepan

Stepan Company

Northfield, Illinois 60093
Telephone 847 446 7500



BIODEGRADATION OF ALKANE SULFONATES

Applicable to these current Stepan products:

BIO-TERGE® PAS-8S	BIO-TERGE® PAS-8S E	BIO-TERGE® PAS-7S
-------------------	---------------------	-------------------

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: [August 8, 2023](#)

Revision reference: [BIO30.01](#)

Nothing contained herein grants or extends a license, express or implied, in connection with patents, issued or pending, of the manufacturer or others. The information contained herein is based on the manufacturer's own study and the works of others. The manufacturer makes no warranties, expressed or implied, as to the accuracy, completeness, or adequacy of the information contained herein. The manufacturer shall not be liable (regardless of fault) to the vendee's employees, or anyone for any direct, special or consequential damages arising out of or in connection with the accuracy, completeness, adequacy or furnishing of such information.