



BIODEGRADATION OF COCAMIDOPROPYLAMINE OXIDES

Applicable to these current Stepan products:

AMMONYX® LMDO	AMMONYX® CDO SPECIAL	
---------------	----------------------	--

Applicable to these inactive Stepan products:

AMMONYX® CDO	AMMONYX® HCDO	AMMONYX® CDO-35%
--------------	---------------	------------------

Biodegradation Information:

Cocamidopropylamine oxides have been tested for biodegradation using number of OECD ready biodegradation test methods. The Close Bottle test, OECD 301D has shown 60% biodegradation in 28 days⁽¹⁾ while the CO₂ Evolution Test (OECD 301B) reached 98% biodegradation in 28 days⁽²⁾. The degradation based on the oxygen consumption (MITI test, OECD 301C) has shown 84% biodegradation after 28 days⁽³⁾. Based on these results Cocamidopropylamine oxides are shown to undergo rapid biodegradation and are considered ready biodegradable.

References:

Stepan Study No. 99-011A
Stepan Study No. 99-011C
Stepan Study No. 00-011A

AMMONYX® ; AMMONYX® are registered trademarks of Stepan Company.

Last Update: 2/13/2009

Revision reference: BIO26-01

Last Modified by: Barbara Gomez on 02/13/2009 09:46:23 AM