

1,4 Dioxane Compliant Additives

1,4-Dioxane, a likely human carcinogen classified by the U.S. EPA, is created as a byproduct during the manufacture of ethoxylated chemicals like surfactants. In efforts to restrict exposure and reduce contamination levels in water systems, New York signed into law limiting manufacturers of household cleaning products to 2ppm, by December 31, 2022, and 1ppm, by December 31, 2023.



PRODUCT	PRIMARY FUNCTION	SUPPLIER	BIOBASED	CLEANGREDIENTS	READILY BIODEGRADABLE
Surfactant-Linear Alcohol Ethoxylates					
TOMADOL® 1200	Emulsifier-; Nonionic	Evonik Corporation		●	●
TOMADOL® 1-3	Wetting/Spreading Agent; Nonionic	Evonik Corporation		●	●
TOMADOL® 1-5	Wetting/Spreading Agent; Nonionic	Evonik Corporation		●	●
TOMADOL® 1-7	Wetting/Spreading Agent; Nonionic	Evonik Corporation		●	●
TOMADOL® 1-73B	Wetting/Spreading Agent; Nonionic	Evonik Corporation		●	●
TOMADOL® 1-9	Wetting/Spreading Agent; Nonionic	Evonik Corporation		●	●
TOMADOL® 23-x Series	Emulsifier; Nonionic	Evonik Corporation		●	●
TOMADOL® 25-X Series	Emulsifier; Nonionic	Evonik Corporation		●	●
TOMADOL® 400	Emulsifier; Nonionic	Evonik Corporation		●	●
TOMADOL® 45-13	Emulsifier; Nonionic	Evonik Corporation		●	●
TOMADOL® 45-7	Emulsifier; Nonionic	Evonik Corporation		●	●
TOMADOL® 600	Emulsifier; Nonionic	Evonik Corporation		●	●
TOMADOL® 900	Emulsifier; Nonionic	Evonik Corporation		●	●
TOMADOL® 901	Emulsifier; Nonionic	Evonik Corporation		●	●
TOMADOL® 904	Emulsifier; Nonionic	Evonik Corporation		pending	●
TOMADOL® 91-X Series	Emulsifier; Nonionic	Evonik Corporation		●	●
Surfactant-APG					
SIMULSOL™ AS 48	Emulsifier; Nonionic	Seppic	60%	●	●
SIMULSOL™ SL 11W	Emulsifier; Nonionic	Seppic	64%	●	●
SIMULSOL™ SL 4	Emulsifier; Nonionic	Seppic	80%	●	●
SIMULSOL™ SL 8	Emulsifier; Nonionic	Seppic	100%	●	●
SIMULSOL™ SL 82	Emulsifier; Nonionic	Seppic	61%		●

This information and any recommendations, technical or otherwise, are presented in good faith and believed to be correct as of the date prepared. Recipients of this information and recommendations must make their own determinations as to its suitability for their purposes. In no event shall Sea-Land Chemical Co. or its' subsidiary's (Sea-Land), assume liability for damages or losses of any kind or nature that result from the use of or reliance upon this information and recommendations. SEA-LAND EXPRESSLY DISCLAIMS ANY REPRESENTATIONS AND WARRANTIES OF ANY KIND, WHETHER EXPRESS OR IMPLIED, AS TO THE ACCURACY, COMPLETENESS, NON-INFRINGEMENT, MERCHANTABILITY AND/OR FITNESS FOR A PARTICULAR PURPOSE (EVEN IF SEA-LAND IS AWARE OF SUCH PURPOSE) WITH RESPECT TO ANY INFORMATION AND RECOMMENDATIONS PROVIDED. Sea-Land reserves the right to make any changes to the information and/or recommendations at any time, without prior or subsequent notice.