

Sponto EC-334

Sponto® EC-334 is an APE-free lipophilic anionic/nonionic emulsifier blend (amine DDBS and castor oil ethoxylate) in A-150 solvent, designed for IOE @, 4-D in aliphatic or aromatic solvent.

Characteristics

Appearance	Clear, brown liquid at 25°C
Density	8.38 lbs/gal at 25°C
Flash point, Pensky Martens Closed Cup	75 °C
Moisture	≤1 %
pH	6 - 7 (10% in 75:25 DI Water/Isopropanol)
Pour point	-8 °C
Specific Gravity	1.004 at 25°C
Viscosity	150 cps (23°C, #62 spindle at 20 RPM)
Solubility: Aromatic 150/200	Soluble
Solubility: Dimethylamide	Soluble
Solubility: Exxol D-110	Dispersible
Solubility: Methyl oleate/palmitate	Soluble

Notes:

Typical Data are based on our own measurements or derived from the literature. They do not constitute part of the delivery specification.

Applications

Sponto EC-334 and EC-336 are a matched pair of blended emulsifiers originally developed for use with phenoxy herbicides; more specifically the iso-octyl esters of 2,4D and MCPA. This pair works with a wide range of active concentrations, from four to six pounds per gallon, and with a wide array of solvents such as Aromatic 150 and Exsol D-110. The pair is calcium free, so there are no concerns about precipitation of insoluble salts formed when used with active ingredients made via direct esterification. Sponto EC-334 is the more hydrophobic blend of the pair and the concentration used in the formulation is adjusted to improve performance when diluted into soft water (342ppm Calcium or lower). To adjust the emulsion performance in hard water, (above 342ppm Calcium) increase the concentration of Sponto EC-336 and decrease the concentration of Sponto EC-334. The combination of Sponto EC-334 and EC-336 will also work with other classes of active ingredients that have similar polarities to the iso-octyl esters of 2,4D and MCPA. Sponto EC-334 and EC-336 are also very good emulsifiers for methyl esters.

Storage

Do not allow the product to freeze. In case of freezing, heat the blends above their pour point and mix until homogenous.

All information concerning this product and/or suggestions for handling and use contained herein are offered in good faith and are believed to be reliable. Nouryon, however, makes no warranty as to accuracy and/or sufficiency of such information and/or suggestions, as to the product's merchantability or fitness for any particular purpose, or that any suggested use will not infringe any patent. Nouryon does not accept any liability whatsoever arising out of the use of or reliance on this information, or out of the use or the performance of the product. Nothing contained herein shall be construed as granting or extending any license under any patent. Customer must determine for himself, by preliminary tests or otherwise, the suitability of this product for his purposes. The information contained herein supersedes all previously issued information on the subject matter covered. The customer may forward, distribute, and/or photocopy this document only if unaltered and complete, including all of its headers and footers, and should refrain from any unauthorized use. Don't copy this document to a website.

SPONTO is a registered trademark in many countries.

Contact Us

USA and Canada

Global Headquarters
Chicago
USA
+1 312 544 7000
ansc-cs@nouryon.com

China

Regional Headquarters
Shanghai
China
+86 21 2220 5000
surfactants.asia@nouryon.com

Europe

Regional Headquarters
Stenungsund
Sweden
+46 303 850 00
surfactants.europe@nouryon.com

South East Asia

Regional Headquarters
Singapore
+65 6635 5183
surfactants.asia@nouryon.com

South America

Regional Sales Office
Itupeva
Brazil
+55 11 4591 8938

The Nouryon logo consists of the word "Nouryon" in a bold, orange, sans-serif font. The letter "N" is stylized with a vertical bar on its left side.