

# NOVEL® 23E3 Ethoxylate

SASOL  
reaching new frontiers



## Technical Data Sheet

### Description

Sasol North America Inc.'s NOVEL® 23E3 Ethoxylate is a biodegradable, nonionic surfactant derived from SAFOL® 23 Alcohol and ethoxylated to an average of 3 moles of ethylene oxide. It is essentially 100% active unless diluted with water. It is a slightly hazy liquid that is readily soluble in water

The narrow range or "peaked" version of the ethoxylate is made using Sasol North America Inc.'s patented NOVEL technology. Safol 23 ethoxylates made using KOH ethoxylation catalyst are also available.

### Applications

NOVEL® 23E3 Ethoxylate can be used in a wide variety of applications. It can be used as a high quality, biodegradable emulsifier, foaming agent, and/or cleaner in a wide variety of household, as well as, industrial cleaning products. It can also be used in such industrial applications as textile and leather processing, plastics additives, paints and coatings, pulp and paper processing, metal cleaners, car wash products, agricultural adjuvants, and circuit board cleaners.

### Properties

Typical physical properties are listed in the table to the right. Actual properties may vary from lot to lot.

### Contact Information

For technical information or samples:

#### Sasol North America

Product Steward  
2201 Old Spanish Trail  
Westlake, Louisiana 70669  
Telephone: (337)494-4133  
Fax: (281)368-0819

[TDS.ProductSteward@us.sasol.com](mailto:TDS.ProductSteward@us.sasol.com)

For sales and pricing information contact a sales representative at:

#### Sasol North America

900 Threadneedle  
Houston, TX 77079-2990  
Telephone: (281)588-3000  
Fax: (281)368-1531

[info@us.sasol.com](mailto:info@us.sasol.com)

| Typical Properties                                      | NOVEL® 23E3       |
|---|-------------------|
| Average Molecular Wt.                                   | 325               |
| Color, APHA   | < 50              |
| Hydroxyl Number   | 168 -176          |
| Water, Wt %   | < 0.1             |
| Glycol, Wt %  | < 1               |
| Free Alcohol, Wt %                                      | < 9               |
| Density, g/mL @ 20°C                                    | 0.93              |
| Flash Point (PM), °C (°F)                               | 154 (310)         |
| Cloud Point, 10% in 25% Butyldiglycol solution, °C (°F) | 66 (151)          |
| Melting Range, °C (°F)                                  | -20 to -15 (-4-5) |
| Boiling Point, °C (°F)                                  | >260 (>500)       |
| Viscosity, cSt @ 40°C                                   | 15                |
| pH, 1% in IPA / Water                                   | 6 – 8             |
| Vapor Density   | 11                |
| Avg. EO Content, moles                                  | 3                 |
| Avg. EO Content, Wt %                                   | 40.9              |
| Free EO, ppm  | < 1               |
| HLB, calculated   | 8.2               |

NOVEL and SAFOL are registered trademarks of Sasol North America Inc.

The preceding data is based on tests and experience, which Sasol North America believes reliable, and is supplied for informational purposes only. Sasol North America expressly disclaims any liability whatsoever for damage or injury which results from the use of the preceding data and nothing contained therein shall constitute a guarantee, warranty, or representation (including freedom from patent liability) by Sasol North America with respect to the data, the product described, or its fitness for use for any specific purpose, even if that purpose is known to Sasol North America.

For detailed safety and handling information regarding these products, please refer to the respective Sasol North America Material Safety Data Sheet.

08/26/13