

SURFATA[®] AG 5040

Composition

Nonionic block copolymer with a high molecular weight and low HLB.

Application

SURFATA[®] AG 5040 emulsifier and emulsion stabilizer for concentrated (oil-in-water) emulsions (EW) as well as a stabilizer in suspo-emulsions. Effective use in concentrated O/W emulsions is in conjunction with **SURFATA[®] AG 5000**. As a dispersant it can be used in systems of low and medium polarity.

Mode of Action

Due to its multiple anchoring groups, **SURFATA[®] AG 5040** promotes a highly stable emulsion through the construction of a very efficient steric barrier against re-agglomeration and coagulation. Due its greater anchorage, it can be used in concentrations up to five times lower than traditional emulsifiers.

Typical Properties

Appearance, 25 °C	Amber to brown viscous liquid
Non-volatile matter, %	100
HLB	6
Flashpoint, °C	> 100

Values indicated in this data sheet describe typical properties and do not constitute specification limits. Please refer to product specification sheet.

Application Areas

- EW - Emulsion in water
- EC - Emulsifiable concentrate
- ME - Micro-emulsion
- SE - Suspo-emulsions
- OD - Oil Dispersion

Features and Benefits

- Production of high and low viscosity systems.
- Emulsions with low particle size.
- Low concentration of use.
- Emulsions with excellent temperature stability.
- Compatible with a large number of active ingredients and oils.
- Emulsions with high volume of the internal phase.
- Adjuvant properties.

SURFATA[®] AG 5040

Incorporation and Dosage

For optimum performance the **SURFATA[®] AG 5040** should be used in the concentrations indicated below. Optimal levels are determined through a series of laboratory tests.

% based upon total formulation	1 – 4
-----------------------------------	-------

Transport and Storage

Keep in a dry, cool and well-ventilated place. Keep product away from heat and sources of ignition.

Store in original containers.

Safety and Handling

Please refer to product MSDS.

Note: These suggestions and data are based on information we believe to be reliable. They are offered in good faith, but without guarantee, as conditions and methods of use of our products are beyond our control. We recommend that the prospective user determine the suitability of our materials and suggestions before adopting them on a commercial scale. Suggestions for use of our products or the inclusion of descriptive material from patents and the citation of specific patents in this publication should not be understood as recommending the use of our products in violation of any patent.

ATAMIN[®], ATAMUL[®], ATASTAB[®], ATAWET[®], COMMAND[®], SURFATA[®] and **SURFATA DISPERSE[®]** - are registered trademarks of ATA Assessoria Indústria e Comércio de Tensioativos Ltda.