

BREOX FCC BIO P13

INTRODUCTION

BREOX FCC BIO P13 is a newly developed foam control concentrate designed to offer exceptional antifoaming and defoaming characteristics in aqueous systems, over the temperature range 10-30°C. **BREOX FCC BIO P13** has also been specifically designed to demonstrate ready biodegradability.

APPLICATION

BREOX FCC BIO P13 is a non-ionic, low foam polyalkylene glycol based surfactant that may be used as a concentrate or as a part of a formulated product. **BREOX FCC BIO P13** has been specifically developed as a modified version of **BREOX FCC P12** which has found extensive application in a wide range of low temperature processes, particularly the vegetable industry, to offer ready biodegradability in applications where environmental sensitivity is a priority such as,

- Vegetable processing
- Paper processing – pulping & coating, board paper, fine white paper and also tissue.

BREOX FCC BIO P13 is a concentrated, 100% active product. Due to low cloud point characteristics, the product retains the excellent antifoaming and defoaming characteristics of **BREOX FCC P12** over the temperature range 10-30°C. **BREOX FCC BIO P13** also retains other performance advantages associated with **FCC P12** such as

- Maximum antifoam/defoaming efficiency at very low levels (ppm.)
- Excellent water dispersability.
- Effective and stable under extremes of pH.
- Easy to handle and dose.

BREOX FCC BIO P13 should be dosed continuously by means of a micro-metering pump where possible

TYPICAL PROPERTIES

The typical values presented here are believed to be accurate, they should not however be considered to constitute a specification.

Physical Attribute	Analysis Method	Value and Unit
Viscosity @40°C	ASTM D 445	247 cSt
Density	ASTM D 1298	1026 kg/m ³
Flash Point (COC)	ASTM D 92	>230°C
Cloud Point (1% aqueous)	ASTM D 2500	<3°C
Pour Point	ASTM D 97	-25°C
Water Content	ASTM D1744	<0.25 %wt
Appearance	-	Clear - yellow liquid

ECOLOGICAL INFORMATION

Results of Ready Biodegradability testing for **BREOX FCC BIO P13** are as follows,

- Biodegradability **OECD 301B** – Modified Sturm test - 85% PASS
- Sea Water Biodegradability **OECD 306** - 62% PASS

Remarks

Handling & Safety:

A material Safety Data Sheet (MSDS) has been issued describing the health, safety and environmental characteristics of BREOX FCC BIO P13 together with handling precautions and emergency procedures. This must be consulted and fully understood before storage, handling and use.

Storage:

Revision-No.

2.2-08.2004 Effective August 17, 2004

The product can be stored for at least 2 years at ambient storage conditions and temperature without any deterioration.

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