



## **Product Bulletin**

Product Name

## BIO-SOFT® LFS-07

Chemical Description

Nonionic Blend

CAS Registry Number Proprietary

**Applications** 

BIO-SOFT LFS-07 is a high active nonionic surfactant blend that can be used in a wide variety of cleaning applications due to its degreasing power. This product is especially useful in cleaners used on surfaces where powerful cleaning combined with minimal filming/streaking is desired, such as glass windows and mirrors, floors, ceramic, and vehicle body and windows. BIO-SOFT LFS-07 can often replace alkyl polyglucoside surfactants in cleaners due to its excellent low film/streak performance. With BIO-SOFT LFS-07, a single cleaner can be formulated to work on all these surfaces and heavily soiled ones as well. BIO-SOFT LFS-07 is made to have a very low pour point for easy handling, remaining clear and fluid down to -15 °C.

Typical Properties

Appearance at 25 °C (77 °F)	Clear liquid
Actives %	90
pH, 1% aqueous Color, APHA	10.5
Color, APHA	<80
HLB	11.9
Viscosity at 25 °C (77 °F), cps	64
Flash Point (PMCC), °C (°F)	>94 (>201)
Cloud Point, 1% aqueous, °C (°F)	34 (93)
Cloud Point, 1% aqueous, °C (°F)Freeze Point, °C (°F)	15 (5)
Density, g/ml (lbs/ U.S gal)	1.00 (8.33)
Surface Tension at CMC, dynes/cm	27.1
Draves Wetting, 1% aqueous, at 25 °C (77 °F), sec	4.3
Critical Micelle Concentration, mg/L	300
Ross Miles Foam, Initial, 0.1% aqueous, cm	7.9
Ross Miles Foam, 5-min, 0.1% aqueous, cm	
RVOC, U.S. EPA, %	0
Preservative	
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Environmental Effects

BIO-SOFT LFS-07 is expected to be readily biodegradable based on the biodegradation profile of its major component(s).

Health Effects

BIO-SOFT LFS-07 is expected to be slightly toxic orally (LD 50 >500 mg/kg). Undiluted product is expected to be severely irritating to eyes, and may cause irreversible eye damage.

Storage & Handling

Normal safety precautions (e.g., gloves and safety goggles) should be employed when handling BIO-SOFT LFS-07. Avoid contact with eyes and nose, or prolonged contact with the skin. Wash thoroughly after handling.

BIO-SOFT LFS-07 dilutes easily into water with minimal tendency to form gels at room temperature and above.

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BIO-SOFT® is a registered trademark of Stepan Company.



Standard Packaging: BIO-SOFT LFS-07 is available in drums. Please inquire if larger sizes are required.

<u>Packaging Storage Recommendations</u>: BIO-SOFT LFS-07 should be stored in closed containers and kept in a cool, dry place away from incompatible materials (see Section 10 of the SDS). Product should be stored at temperatures from 0 °C (32 °F) to 50 °C (122 °F). If material is frozen it should be heated gently and stirred to ensure it is homogeneous prior to use.

Clearances

The international inventories (country clearances) of BIO-SOFT LFS-07 can be found in Section 15 of the Safety Data Sheet (SDS). It is the responsibility of the formulator to review the chemical control regulations for each country where the end product is intended to be sold or used. If you have further questions regarding inventories, please contact North America Technical Service at <a href="technerow">technerow</a> extended to be sold or used. If you have further questions regarding inventories, please contact North America Technical Service at <a href="technerow">technerow</a> extended to be sold or used. If you have further questions regarding inventories, please contact North America Technical Service at <a href="technerow">technerow</a> extended to be sold or used. If you have further questions regarding inventories, please contact North America Technical Service at <a href="technerow">technerow</a> extended to be sold or used. If you have further questions regarding inventories, please contact North America Technical Service at <a href="technerow">technerow</a> extended to be sold or used.

Product Stewardship

Additional Safety Information This product bulletin has been written in accordance with ACC's Product Stewardship guidelines.

A Safety Data Sheet is available upon request.



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