



Epicore BioNetworks Inc.

LIPOSOLVE[®] Municipal Emulsifier

PRODUCT DESCRIPTION

LIPOSOLVE is a water-based, concentrated heavy-duty cleaner that penetrates and softens all forms of grease, fats and oil, emulsifying them on contact with water. It contains biodegradable non-ionic surfactants, chelating agents, and water. LIPOSOLVE additionally contains biological catalyst to enzymatically break down grease.

Fats, oils and grease (FOG) represent one of the largest headaches for municipal collection system workers. These hydrophobic and stable FOG substances, by their very nature, stick to and stay on collection lines, lift station surfaces and line cleaning equipment. The normal flow of collection water does nothing to remove them. In many cases, FOG build up can restrict the water flow, even to the point of causing blockage and subsequent back-ups.

The best way to handle FOG problems is to treat it before it becomes a problem using a biological digester like Epicore's LINEBAC™ Microbial Ecosystem. When FOG is present as a hard coating on equipment and lines, LIPOSOLVE Municipal Emulsifier can soften it prior to LINEBAC use. LIPOSOLVE emulsifies FOG and thereby increases its susceptibility to bio-digestion. LIPOSOLVE works well on all types of food and petroleum origin fat, grease and oil.

BENEFITS OF USAGE

- Improves wetting of fat, oil and grease deposits to improve the contact of Epicore's LINEBAC microbial FOG digester.
- Contains biodegradable components that are digested by LINEBAC.
- Works equally well in either fresh or salt water.
- Safe to use on a variety of surfaces including plastics, metals and woods.
- Contains no hazardous corrosive, caustic or solvent chemicals.

ACCEPTABILITY FOR THE ENVIRONMENT

- LIPOSOLVE is non-caustic and non-polluting.
- Does not contain halogenated solvents such as petroleum, trichloroethylene or carbon tetrachloride.
- Excellent biodegradability provides answers to many problems involving RCRA mixed wastes regulations.

INGREDIENTS

Biodegradable non-ionic surfactants

PRODUCT DATA

<u>Parameter</u>	<u>Typical Value</u>
pH (concentrate)	6.8 – 7.2
Specific gravity	Approx. 1.0
Appearance	Clear solution
Color	Light amber
Odor	Sweet, mild soapy
Flash Point	>200°F

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IMPORTANT NOTICE TO PURCHASER

“Epicore BioNetworks, Inc. (“Epicore”) warrants that the product conforms to its compositional description and is reasonably fit for the purpose stated on the label when used in accordance with the label instructions under normal conditions of use. There are no other express or implied warranties, whether as to merchantability, fitness for any use, or otherwise, given in respect of the product. Neither Epicore nor its agents shall be liable for any damage, loss, or injury, whether the same arises directly or consequentially, by reason of any matter whatsoever relating to the use of the product, and any buyer’s or user’s exclusive remedy in any instance shall be limited to a refund of the purchase price paid.”

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APPLICATION SUGGESTIONS:

Dilute LIPOSOLVE in water at the rate of 2 ounces per 15 gallons water. Use warm water where possible. Spray onto FOG covered surfaces. Allow to stand for 15 minutes to allow LIPOSOLVE to penetrate. Rinse with a strong spray of water.

PRODUCT STORAGE:

- Do not store continuously at temperatures above 40°C (104°F).
- Store out of direct sunlight in a well ventilated area.
- Do not mix with any materials not recommended by Epicore, especially biocides and harsh chemicals.

SHELF LIFE:

2 years in a closed container

PACKAGING:

- 55-gallon, closed-head plastic drums. (200 liters net volume)
- 5-gallon closed-head, plastic pails (18 liters net volume)
- Cases of 10 units in presentation of 1 liter plastic bottles. (10 liters net volume)