

Vilvanolin™ L-101 Lanolin Derivative

CTFA/INCI Designation

Mineral Oil (and) Lanolin Alcohol

Product Description

Vilvanolin™ L-101 lanolin derivative is a multi-sterol extract containing only select lanolin sterols and higher alcohols in their free form only. These extracts are complexed with mineral oil.

Vilvanolin™ L-101 lanolin derivative is 100% active. It is supplied as a pale yellow liquid.

Typical Properties

Physical properties are listed below and indicate typical values and properties; they are not intended to be used as product specifications.

Appearance at 25°C	Pale yellow, oily liquid
Odor	Mild, sweet
Moisture, % wt.	<0.2
Acid Value, mg/g	0.8
Saponification Value, mg/g	1.5
Color, Gardner	3
Melt Range, Class II, °C	40-46
Hydroxyl Value, mg/g	13
Ash, % wt.	<0.2
Specific Gravity @ 25°C	0.85
Iodine Value	11

Features and Benefits

- Oil in water emulsifier
- Unusually emollient
- Non-ionic for good ingredient compatibility
- Improves emulsion appearance

Suggestions for Use

Vilvanolin L-101 lanolin derivative is an effective oil in water emulsifier and solubilizer and is recommended for use in skin care products including creams, lotions and pharmaceutical vehicles.

Vilvanolin L-101 lanolin derivative is derived from lanolin and mineral oil. It is an easy-to-use liquid form. Its emolliency and non-ionic nature make it an ideal candidate for use in emulsion systems containing ionic active ingredients. Its unusual emolliency properties also make it suitable for a wide range of other leave-on skin care applications.

Recommended use levels range from 0.5% to 5.0%, depending on application.

Storage and Handling

Vilvanolin L-101 lanolin derivative is packed in 177-kg drums and 45-kg pails. Material should be stored in closed containers and protected from extreme temperatures.

Lubrizol Advanced Materials, Inc. / 9911 Brecksville Road, Cleveland, Ohio 44141-3247 / TEL: 800.379.5389 or 216.447.5000

The information contained herein is being furnished for informational purposes only, upon the express condition that the User makes its own assessment of the appropriate use of such information. While the information contained herein is believed to be reliable, no representations, guarantees or warranties of any kind are made as to its accuracy, suitability for a particular application or the results to be obtained herefrom. Lubrizol Advanced Materials, Inc. ("Lubrizol") cannot guarantee how any products associated with this information will perform in

combination with other substances or in the User's process. Due to variations in methods, conditions and equipment used commercially in processing these materials, no warranties or guarantees are made as to the suitability of the information or products for the applications disclosed. Lubrizol shall not be liable and the User assumes all risk and responsibility for any use or handling of any material beyond Lubrizol's direct control. LUBRIZOL MAKES NO WARRANTIES, EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO,

THE IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. It is the User's sole responsibility to determine if there are any issues relating to patent infringement of any component or combination of components relating to the supplied information. **Nothing contained herein is to be considered as permission, recommendation, nor as an inducement to practice any patented invention without permission of the patent owner.**

For further information, please visit: www.lubrizol.com/personalcare