

Promulgen™ D

Nonionic Emulsifier

Chemical Name/FDA IID*: Cetearyl Alcohol and Ceteareth-20.

Product Description: Promulgen™ D nonionic emulsifier is an ethoxylated cetearyl alcohol compounded with cetearyl alcohol. It is 100% active, and is supplied as a waxy solid.

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	White waxy flakes
Odor	Mild
Acid Value, mg/g	0.8
Melt Range, Class I, °C	47-55
Moisture, % wt.	<0.5
Saponification Value, mg/g	1.5
Hydroxyl Value, mg/g	170
Ash, % wt.	<0.1
Iodine Value	1.5
Cetyl Alcohol, % wt.	>19
Stearyl Alcohol, % wt.	>44.5

Features and Benefits:

- Efficient oil in water emulsifier
- Broad pH compatibility
- Contributes to viscosity of final formulations

*Inactive Ingredients database

Suggestions for Use:

Promulgen™ D nonionic emulsifier is derived from a vegetable based alcohol. Its nonionic nature allows flexibility in formulation and provides compatibility over a wide pH range.

Cetearyl alcohol and ceteareth-20, nonionic emulsifier is used for external application in a wide range of prescription (Rx) and over the counter (OTC) products including emulsion, creams, suspensions, aerosols and foams.

Some of the active pharmaceutical ingredients (API) that have been formulated with cetearyl alcohol and ceteareth-20 are: Nystatin, eflornithine hydrochloride, halcinonide, triamcinolone acetonide, hydroquinone, spinosad, sodium sulfacetamide, urea, benzoyl peroxide, clotrimazole, betamethasone dipropionate halcinonide and clotrimazole.

The information contained herein is believed to be reliable, but no representations, guarantees or warranties of any kind are made as to its accuracy, suitability for particular applications or the results to be obtained. The information often is based on laboratory work with small-scale equipment and does not necessarily indicate end product performance or reproducibility. Formulations presented may not have been tested for stability and should be used only as a suggested starting point. Because of the variations in methods, conditions and equipment used commercially in processing these materials, no warranties or guarantees are made as to the suitability of the products for the applications disclosed. Full-scale testing and end product performance are the responsibility of the user. Lubrizol Advanced Materials, Inc. shall not be liable for and the customer assumes all risk and liability for any use or handling of any material beyond Lubrizol Advanced Materials, Inc.'s direct control. The SELLER MAKES NO WARRANTIES, EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. 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.

Promulgen™ D Nonionic Emulsifier

Cetearyl alcohol and cetareth-20 have been listed in FDA Inactive Ingredient Database (IID) for topical products up to 8% maximum potency.

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

Storage and Handling:

Promulgen™ D nonionic emulsifier is packed in 25-kg boxes. Material should be stored in closed containers and protected from extreme temperatures (store below 40 °C).

The information contained herein is believed to be reliable, but no representations, guarantees or warranties of any kind are made as to its accuracy, suitability for particular applications or the results to be obtained. The information often is based on laboratory work with small-scale equipment and does not necessarily indicate end product performance or reproducibility. Formulations presented may not have been tested for stability and should be used only as a suggested starting point. Because of the variations in methods, conditions and equipment used commercially in processing these materials, no warranties or guarantees are made as to the suitability of the products for the applications disclosed. Full-scale testing and end product performance are the responsibility of the user. Lubrizol Advanced Materials, Inc. shall not be liable for and the customer assumes all risk and liability for any use or handling of any material beyond Lubrizol Advanced Materials, Inc.'s direct control. The SELLER MAKES NO WARRANTIES, EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. 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.