

Chembetaine™* CGF Surfactant

Product Specifications

INCI Name: Cocamidopropyl Betaine

| PRODUCT SPECIFICATION | MINIMUM | MAXIMUM | LUBRIZOL PROCEDURE NUMBER |
|-----------------------|---------|---------|---------------------------|
| SOLIDS, wt% | 34.0 | 36.0 | ACM 6 |
| pH (10%) | 4.5 | 7.5 | ACM 23 |
| SODIUM CHLORIDE, wt% | 0 | 5.2 | ACM 4 |
| COLOR, APHA | 0 | 70 | ACM 30 |
| ACTIVES, wt% | 29.0 | N/A | CALCULATION |
| CLOUD POINT (°C) | N/A | -2 | ACM 47 |
| FREE AMINE, wt% | 0 | 2.0 | ACM 1 |

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

Lubrizon Advanced Materials, Inc. cannot guarantee how the product(s) will perform in combination with other substances or in the user's process. Therefore, no representations, guarantees or warranties of any kind are made as to the suitability of this product(s) for particular applications. End product performance is

the responsibility of the user. Lubrizon Advanced Materials, Inc. shall not be liable for and the customer assumes all risk and liability of any use or handling of any material beyond Lubrizon Advanced Materials' 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.

For further information, please visit www.personalcare.noveon.com

Lubrizon Advanced Materials, Inc. is a wholly owned subsidiary of The Lubrizon Corporation

* Trademark owned by The Lubrizon Corporation

© Copyright 2007 / The Lubrizon Corporation