



## DOVER ALKANOLAMIDES

| PRODUCT                | PROPERTIES       |       |          |                     |         |
|------------------------|------------------|-------|----------|---------------------|---------|
|                        | Description      | Amine | SG @ 25C | Viscosity 100F, SUS | pH @ 1% |
| <b>Emulamid FO5DF</b>  | Fatty Acid Amide | DIPA  | 0.97     | 2,000               | 9.6     |
| <b>EM 980</b>          | Fatty Acid Amide | DEA   | 1.01     | 2,800               | 9.7     |
| <b>EM 995</b>          | TOFA Amide       | DIPA  | 0.96     | 1,200               | 9.5     |
| <b>EM 996</b>          | TOFA Amide       | DIPA  | 0.96     | 1,060               | 9.5     |
| <b>EM 950V</b>         | Canola Amide     | DIPA  | 0.96     | 1,200               | 9.3     |
| <b>Emulamid 1TO24</b>  | Oleic Amide      | DIPA  |          |                     |         |
| <b>Emulamid 2TO24*</b> | Oleic Amide      | DIPA  | 0.95     | 600                 | 9.6     |
| <b>Emulamid 2C24*</b>  | Coco Amide       | DIPA  | 0.97     | 1,300               | 9.6     |
| <b>Emulamid 2TO21*</b> | Oleic Amide      | MEA   | 0.95     | 400                 | 9.6     |
| <b>Emulamid 2C23*</b>  | Coco Amide       | DEA   | 0.98     | 1,100               | 9.5     |
| <b>Emulamid 2TO22*</b> | Oleic Amide      | MIPA  | 0.96     | 580                 | 9.5     |

\*Pre-Production Assignment Only

### DESCRIPTION

**DOVER Alkanolamides** provide excellent co-emulsification properties, boundary lubrication, and reserve alkalinity for a variety of applications. Additionally Dover alkanolamides enhance corrosion protection and metal wetting characteristics for the finished product. Emulamid FO5DF, EM980, & EM995 can be used to build viscosity and film strength in water based applications.

**DOVER Alkanolamides** can be used in the Metalworking, Industrial, Fuel Additive and Oilfield drilling & production markets. Typical applications are for emulsification in Metalworking coolants: semi-synthetic and soluble oils or in Oilfield drilling systems. In addition, they can be used in industrial cleaners, chain lubricants, degreasers, rust preventatives, and vibratory finishing compounds or as a lubricity aid in low sulfur fuels.

### DOVER Alkanolamides Usage Guidelines

|                 | <u>% Treat</u> |
|-----------------|----------------|
| Soluble Oils    | 3-8            |
| Semi-Synthetics | 2-10           |
| Synthetics      | 2-10           |
| Cleaner         | 2-5            |
| Fuel Lubricity  | 0.005-0.02     |

Under cooler environments, gelling or solidification may occur. Gradual warming of the material will return the product to the typical homogeneous fluid appearance. Products should be stored in an original container between 60-100°F. If stored below these temperatures it may titer. This can be reversed by using slight agitation and raising the temperature between 80-120°F.

All specifications and suggestions in this bulletin concerning the use of our products are based upon tests and data believed to be reliable. Since actual use by others is beyond our control, no guarantee, expressed or implied, is made by Dover Chemical as to the effects of such use or the results to be obtained. Contact Dover Chemical Corporation's Technical Service Department at 330-365-3637 or 330-365-3683 for product offerings and recommendations for usage. Contact Customer Service at 1-800-753-6837 to place orders or to request samples.