**PROTELAN LS 9011-US**

**Chemical Description:** Sodium salt of lauroyl sarcosinate

**Structural formula:**  
\[ R - \text{CO} - \text{N} - \text{CH}_2 - \text{COO}^- \, \text{Na}^+ \]  
\[ R = \text{C}_{11} \, \text{CH}_3 \]

**Characteristics:**
- **Appearance:** Clear, colorless to yellow liquid
- **Ionicity:** Anionic
- **pH (10%):** 8.0 – 9.0
- **Dry matter:** 30 – 32%
- **Storage:** > 12 months if properly stored; at temperatures below 41°F (10°C), product may display turbidity without affecting quality

**Product Features**
- Mild surfactant
- Excellent corrosion inhibitor
- Compatibility with quaternary ammonium germicides and conditioners
- Easily biodegraded
- Excellent foaming power and good detergency
- Provides a soft feeling to the skin during and after use
- Leaves the hair lavish, soft, gloss and easy to comb

The data specified herein are in compliance with the results obtained from trials in our laboratory and plant. They serve only as a guide and are presented without guarantee. Possible rights of third parties shall be observed.