



Product Name **SLSA**

Chemical Structure  $\text{CH}_3(\text{CH}_2)_{10}\text{CH}_2\text{O}-\overset{\text{O}}{\parallel}-\text{CCH}_2\text{SO}_3\text{Na}$

CAS Registry No. 1847-58-1

INCI Name Sodium Lauryl Sulfoacetate

### Applications

#### Functional Properties

- Primary/Secondary Surfactant
- Foaming Agent
- Wetting Agent
- Emulsifier
- Detergent
- Milder to the skin than ethoxylated alcohol sulfates
- Hard water stable
- Replaces soap whenever soap sensitization is found

#### End Product Uses

- Bubble Baths
- Shampoos
- Cleansing Creams
- Cream & Paste Shampoos
- Syndet Bars

\*This product is available in powder, flake or coarse forms.

### Typical Properties

Appearance at 25 °C..... Free flowing white powder or flake

Actives, % (MW 345)..... 65.0 min.

pH, 1% aqueous..... 6.3

Moisture, % ..... 1.5 max.

Alcohol Insolubles, % ..... 11.6

Sodium Chloride, % ..... 15.0

RVOC, U.S. EPA, % ..... 0

### Environmental Effects

Product is ready biodegradable. Additional information available upon request.

### Health Effects

SLSA is moderately to slightly toxic orally (LD<sub>50</sub> = 700 mg/kg). The product causes moderate skin irritation at 70% concentration and minimal to no eye irritation at 3% concentration.

### Storage & Handling

Normal safety precautions (i.e., safety goggles, dust mask and gloves) should be employed when handling SLSA. Contact with the eyes and prolonged contact with the skin should be avoided. Avoid inhaling the dust. Wash thoroughly after handling material. SLSA should be used in a well-ventilated area.

It is recommended that SLSA be stored in sealed containers and kept in a cool, dry place to insure against agglomeration and any deterioration in color. Partly used drums should be promptly resealed with drum cover and accessory clamp after twisting and tying off the poly-bag liner. Prolonged storage above 90 °F (32 °C) should be avoided. Avoid overheating.

**Standard Packaging:** SLSA is available in 55 gallon fiber open head, unlined drums (net weight for coarse: 200 lb./90.4 kg, for flake: 150 lb./67.8 kg, for powder: 250 lb./113 kg).

**Workplace Exposure:** Occupational exposure can occur primarily through skin contact or via inhalation of vapors and mists. Engineering controls, personal protective equipment, and other workplace practices should be used to control these exposures.

### Clearances

All components of SLSA are listed in the following countries; the registration numbers for the active ingredients are included in parentheses: United States (TSCA 1847-58-1), Canada (DSL 1847-58-1), Australia (AICS 1847-58-1), Europe (EINECS 217-431-7), and Japan (ENCS 2-1617 or 2-2839).

**It is the responsibility of the formulator to review the chemical control regulations for each country where the end product is intended to be sold or used.**