Personal Care Surfactants

CAS No.	EINECS No.	UN No.	Molecular Formula / Product Type
/	/	/	Separate surfactant preparations

Product Description

A selection of seven individual surfactant preparations for personal-care cleansing formulations. Each entry identifies a separate ingredient or formulation; they are not a premixed blend. Match the named preparation to its specifications, use guidance and safety profile.

Specifications

Parameter	Specification
Appearance (25 °C)	Laureth-6 carboxylate: Colorless transparent liquid ; Methyl cocoyl taurate: Colorless to slightly yellow liquid ; Potassium cocoate: Colorless light yellow transparent liquid ; Lauroyl glutamate: Colorless to slightly yellow transparent liquid ; Lauroyl methylaminopropionate: Colorless to slightly yellow transparent viscous liquid ; Lauroyl sarcosinate: Colorless to light yellow transparent liquid ; Lauryl sulfosuccinate: White to light yellow paste
Odor	Laureth-6 carboxylate, Potassium cocoate: Characteristic
Moisture	Laureth-6 carboxylate: ≤ 2.0%
pH value (10% aqueous solution, 25 °C)	Laureth-6 carboxylate, Lauroyl methylaminopropionate: 7.5-9.5 ; Methyl cocoyl taurate: 6.0-8.0 ; Lauroyl glutamate: 7.0-8.5
Solid content	Methyl cocoyl taurate: 28.0-32.0% ; Lauroyl glutamate: 23.0-27.0% ; Lauryl sulfosuccinate: 45.0-52.0%
NaCl	Methyl cocoyl taurate, Lauroyl methylaminopropionate: <= 1.0% ; Lauroyl sarcosinate: ≤ 0.1%
Color	Potassium cocoate, Lauroyl glutamate: <= 80 Hazen ; Lauroyl sarcosinate: <= 60 Hazen
Active matter	Potassium cocoate: >= 30% ; Lauroyl methylaminopropionate: 28.0-32.0%
pH value (1% aqueous solution, 25 °C)	Potassium cocoate: 8.0-11.0
Solid content (105 °C, 4h)	Lauroyl methylaminopropionate: 29.0-33.0%
Active content	Lauroyl sarcosinate: 28.0-32.0%
pH value (10% Aqu. Sol, 25 °C)	Lauroyl sarcosinate: 7.5-8.5 ; Lauryl sulfosuccinate: 5.0-7.0
Na2SO3 Content	Lauryl sulfosuccinate: ≤ 0.5%

Typical Properties / Use Guidance

Property / Guidance	Typical Value
Laureth-6 carboxylate / identity	Sodium Laureth-6 Carboxylate; INCI: Sodium Laureth-6 Carboxylate; component CAS: 33939-64-9
Methyl cocoyl taurate / identity	Sodium Methyl Cocoyl Taurate; INCI: Sodium Methyl Cocoyl Taurate; Water; Sodium Chloride; Phenoxyethanol; nominal designation: 30%; component CAS: 12765-39-8
Potassium cocoate / identity	Potassium Cocoate; INCI: Potassium Cocoate; Water; nominal designation: 30%; component CAS: 61789-30-8
Lauroyl glutamate / identity	Sodium Lauroyl Glutamate; INCI: Sodium Lauroyl Glutamate; Water; Sodium Chloride; Phenoxyethanol; nominal designation: 25%; component CAS: 29923-31-7
Lauroyl methylaminopropionate / identity	Sodium Lauroyl Methylaminopropionate; INCI: Sodium Lauroyl Methylaminopropionate; nominal designation: 30%; component CAS: 21539-58-2
Lauroyl sarcosinate / identity	Sodium Lauroyl Sarcosinate; INCI: Sodium Lauroyl Sarcosinate; Water; nominal designation: 30%; component CAS: 137-16-6
Lauryl sulfosuccinate / identity	Disodium Lauryl Sulfosuccinate; INCI: Disodium Lauryl Sulfosuccinate; Water; Sodium Sulfite; Sodium Benzoate; nominal designation: 50%; component CAS: 13192-12-6
Laureth-6 carboxylate / Use guidance	Use method: This product is dissolved in the system and stirred evenly. Suggested dosage: 5-30%. Validate in the finished formulation.
Methyl cocoyl taurate / Use guidance	Use method: It is stirred until completely dissolved. Recommended dosage: 2.0-30.0% Validate in the finished formulation. Handling note: Crystallization occurs at around 20 °C, causing uneven distribution of content in the upper and lower layers. Before use, please heat and dissolve appropriately and stir evenly, or ensure that the entire barrel is used.
Potassium cocoate / Use guidance	Use method: It is recommended to add it to the formula together with other components, and the dosage is 1.0-30.0%. Validate in the finished formulation.
Lauroyl glutamate / Use guidance	Use method: Add to water and stir until completely dissolved. Recommended concentration: 2.0-30.0% Validate in the finished formulation. Handling note: Recommended for storage at room temperature. Under prolonged exposure to low temperatures, slight turbidity may occur; it may be heated appropriately until clear before use. Avoid storing in iron containers to prevent corrosion.
Lauroyl methylaminopropionate / Use guidance	Shampoo 3.0-50.0% Shower gel 3.0-50.0% Facial cleanser 5.0-40.0% Use method: It is added together with other surfactants in the formula. Validate in the finished formulation.
Lauroyl sarcosinate / Use guidance	Use method: Added together with other components in the formulation. Recommended dosage: Main surfactant: 8.0- 15.0% (active substance content); auxiliary surfactant: 1.0-6.0% (active substance content). Validate in the finished formulation. Handling note: At low temperatures, SODIUM LAUROYL SARCOSINATE(Lauroyl sarcosinate) may become turbid or even form solid precipitates due to its low solubility in cold water. This phenomenon is normal and does not affect product performance; it can be resolved by heating. To ensure uniformity, shake the mixture thoroughly after heating before use.
Lauryl sulfosuccinate / Use guidance	Shampoo 3.0-5.0% Body wash 3.0-50.0% Face wash 5.0-50.0% Use method: Added together with other surfactants in the formula. Validate in the finished formulation.

Applications

- Shampoos, body washes and facial cleansing systems.
- Liquid soaps and other cleansing formulations; choose the appropriate named preparation.
- Toothpaste and shaving formulations where supported by the selected surfactant profile.

Packaging and Storage

Packaging	Laureth-6 carboxylate, Potassium cocoate: In 50kgs/200kg (N.W) plastic drum. ; Methyl cocoyl taurate: 60kg (N.W) per plastic drum. ; Lauroyl glutamate: 200 kg net per plastic drum. ; Lauroyl methylaminopropionate: 50 kg or 200 kg net in plastic drums. ; Lauroyl sarcosinate: 200kg (N.W) per plastic drum. ; Lauryl sulfosuccinate: 50kg (N.W) per plastic drum.
Storage	Laureth-6 carboxylate: According to general chemical storage and transportation, store in a dry and ventilated place. ; Methyl cocoyl taurate, Lauroyl glutamate: Store in a cool and dry place. ; Potassium cocoate: Store in a cool, dry place. ; Lauroyl methylaminopropionate: Store in dry and cool place, keep away from sunshine and rain. ; Lauroyl sarcosinate: Store sealed at room temperature. Optimal storage conditions: Keep the container closed and store at 25-50 ° C. ; Lauryl sulfosuccinate: Store in dry and cool place. Laureth-6 carboxylate, Potassium cocoate: Retesting interval: 18 months after production date. ; Methyl cocoyl taurate, Lauroyl glutamate, Lauryl sulfosuccinate: Retesting interval: Two years after production date. ; Lauroyl methylaminopropionate: Shelf life: Two years from the production date. ; Lauroyl sarcosinate: Retesting interval: One year after production date.

Safety and Regulatory

Professional cosmetic use. Read the SDS; unestablished hazard and transport entries require confirmation.

Company Contact

Hainan Zhongxin Chemical Co., Ltd.
Room 1001, Building A, Caohejing Center, No. 1520 Gumei Road, Xuhui District, Shanghai, China.
Tel: +86-21-54265599 | sales@zxchem.com.cn | www.zxchem.com

The information is provided in good faith for professional evaluation. Specifications apply to the stated commercial grade; users must confirm suitability, regulatory compliance and safe handling for their intended application.