

**TECHNICAL DATA SHEET****Product Name****Galaxy 799 SP****DESCRIPTION**

Chemical Name	: Sodium Lauryl Sulfate
INCI Name	: Sodium Lauryl Sulfate
CAS Number	: 85586-07-8
EINECS Number	: 287-809-4
Chemical Formula	: R-OSO <sub>3</sub> Na (R = C <sub>12-14</sub> natural)

**TECHNICAL SPECIFICATIONS**

Appearance/nature	: Needles
Colour	: White to off- white
pH (1 % aqueous solution)	: 7.5 - 10.5
Active Matter, % by mass (Mol.wt. 298), minimum:	95
Sulfate, % by mass as Na <sub>2</sub> SO <sub>4</sub> , maximum	: 2.0
N.D.O.M., % by mass, maximum	: 1.5
Moisture content, % by mass, maximum	: 3.0
Iron content, as Fe, % by mass ppm, maximum	: 20
Alkalinity as ml of 0.1N HCl per gram, maximum	: 0.6
Heavy metals as Pb in ppm, maximum	: 10
Lead as Pb in ppm, maximum	: 5
Arsenic as As in ppm, maximum	: 2
Bulk density, g/l	: 400 – 600

### **PROPERTIES**

**Galaxy 799 SP** is an anionic surfactant in needle form which offers very less dusting as compared to the powder form. It has excellent foaming power and detergency properties. It is also a good emulsifier. It is most effective under alkaline conditions (pH > 7.5). It can be used with other anionic, non-ionic or amphoteric surfactants. However, due to its anionic character, it should not be used with cationic components like cationic surfactants, cationic dyes etc.

### **APPLICATIONS**

**Galaxy 799 SP** is used for a wide range of applications including:

- In tooth-paste as a foaming agent in a ratio of 1.5 – 3.0 % of the total weight
- In shampoos as a surfactant and as a foaming agent
- In creams, lotions and other skin-care products as an emulsifier
- In bathing bars (syndet and combi-bars), body wash, liquid soap, shower gels etc. as a surfactant and as a foaming agent
- In pharmaceuticals as an emulsifier in ointment preparations, as a disintegration agent in tablets and as an intermediate in synthesis of erythromycin estolate
- In textile auxiliaries as a scouring agent
- In emulsion polymerization as an emulsifier

### **PACKING**

**Galaxy 799 SP** is available in HDPE-lined Kraft paper bags of 20 kg net wt. 560 bags palletized i.e. 11.2 MT or 750 bags non-palletized i.e. 15 MT can be shipped in a 20 ft. box container. It can be also supplied in 500 kg jumbo bags with wooden crates.

**HANDLING AND STORAGE**

Store in a clean and dry area away from moisture, sunlight and heat. Store below 40°C. Keep bags tightly closed. In the original sealed bags and kept at suggested storage conditions, the product can be stored for at least 2 years. Do not stack more than 8 bags one above the other to avoid lumping. Jumbo bags should be stored only with crates and maximum 1+1 stacking. Spills may be cleaned by flushing with sufficient amount of water. Avoid ingestion and direct inhalation (where air concentration is high, appropriate mask is suggested) and also avoid contact with eyes, skin and clothing. In case of contact with eyes and skin, seek adequate and timely medical attention.

Product Name : **Galaxy 799 SP**  
Version : 02  
Date of issue : 23.11.2010  
TDS Updated by : Mr. Sanjay Joshi  
Authorised by : Mr. Kishor Ingale  
Ref. Doc. FGSM-IBC : 2.11.06

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