

TECHNICAL DATA SHEET**Product Name****Galaxy LAO****DESCRIPTION**

Chemical Name	: Lauryl Myristyl Amine oxide
INCI Name	: Lauramine oxide
CAS Number	: 1643-20-5 and 3332-27-2
EINECS Number	: 216-700-6 and 222-059-3
Chemical Formula	: $R-N^+(CH_3)_2-O^-$ (R = C ₁₂₋₁₄ natural)

TECHNICAL SPECIFICATIONS

Appearance/nature	: Clear liquid
Odour	: Characteristic
Colour	: Colourless to pale yellow
pH (10% aqueous solution)	: 6.0 - 8.0
Active matter, % by mass (Mol.wt.240)	: 27 - 29
Free amine, % by mass (Mol.wt. 224), maximum	: 0.5
Free peroxide as H ₂ O ₂ , ppm, maximum	: 2000
Microbial count , TVC, cfu/ml	: < 10

APPLICATIONS

The function of Galaxy LAO in various formulations is foaming, wetting, emulsifying, cleaning and thickening. Galaxy LAO can be formulated with anionics, cationics and nonionics.

Galaxy LAO is acid and bleach stable. Galaxy LAO is used in home as well as personal care applications like shampoo, bubble bath, hand soaps etc. In home care applications, Galaxy LAO is used in hard surface cleaners like liquid dish wash. Galaxy LAO is used in combination with traditional anionics to formulate mild dish-washing liquids.

Due to the excellent hydrotropic properties of Galaxy LAO, the dispersions of hydrophobic materials like perfumery oils are easily solubilized and stabilized. Galaxy LAO possess bactericidal characteristics and thus formulations derived from Galaxy LAO are self-preserving in nature.

PACKING

Galaxy LAO is available in 200 kg HM-HDPE carboys fitted with lid having provision for venting of air. Total of 80 drums i.e. 16 MT can be shipped in a full 20 ft. container load.

HANDLING AND STORAGE

Store the material in a clean dry place, away from direct heat or sunlight. Keep the containers tightly closed. Store at 25⁰-35⁰C. In original sealed containers, the product can be stored for at least 1 year. Spills should be contained / collected and disposed off as per the regulations. Avoid ingestion and contact with eyes, skin and clothing. In case of contact with eyes and skin, rinse immediately with plenty of water and seek medical advice. Stacking should be maximum 1+1 carboys.

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Updated by : Ms. Avila D'Souza
Authorised by : Mr. Milind Patil

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