

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

Chemical Name	: Cocoamidopropyl amine oxide
INCI Name	: Cocamidopropylamine oxide
CAS Number	: 68155-09-9
EINECS Number	: 268-938-5
Chemical Formula	: R-CO-NH-(CH ₂) ₃ -N ⁺ (CH ₃) ₂ -O ⁻ (RCO = C ₁₂₋₁₈ natural)

TECHNICAL SPECIFICATIONS

Appearance/nature	: Clear liquid
Colour	
a) description	: Pale yellow
b) on Lovibond, 5 ¼" cell, maximum	: Yellow - 5 , Red - 1
Odour	: Characteristic
pH (as such)	: 6.5 - 8.5
Active matter, % by mass, (Mol.wt.328)	: 34 - 36
Free amine, % by mass (Mol.wt.312), maximum	: 0.5
Free peroxide as H ₂ O ₂ % by mass, maximum	: 0.25
Microbial count , TVC, cfu/ml	: < 10

APPLICATIONS

The typical functions of **Galaxy CAPAO** in various formulations are foaming, wetting, emulsifying, cleaning and thickening. Amine Oxides are used in combination with traditional anionics to formulate mild dish-washing liquids. Amine Oxides exhibit good stability in highly alkaline media containing Sodium Hydroxide, metasilicates, phosphates and gluconates.

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

Galaxy CAPAO can be used as a thickener in bleach compositions. It can be also used as a wetting agent in degreaser formulations.

Amine Oxides are normally low-toxic and meet the environmental safety norms.

PACKING

Galaxy CAPAO is available in 200 kg HM-HDPE drums with bungs. 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 may be cleaned by flushing with water. There may be a slight drop in pH of around 0.5 unit if the material is stored for durations close to an year. 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 drums.

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Product Name : **Galaxy CAPAO**
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Updated by : Mr. Sanjay Joshi
Authorised by : Mr. Milind Patil
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