

Data Sheet



LAKELAND AMA

INTRODUCTION

Lakeland AMA is a 30% active aqueous solution of a monosodium salt of an alkylamine carboxylate. The alkyl group is derived from a natural source and consists of C₈ to C₁₈ saturated and unsaturated fractions.

SPECIFICATION

Appearance _(A10)	Clear colourless to light yellow liquid
Cloud Point Elevation _(C6)	35 to 45°C
% Activity _(R1)	29.0 to 31.0%
pH (neat @ 20°C) _(P2)	7.5 to 9.5

APPLICATIONS

Lakeland AMA was designed as an industrial amphoteric surfactant, with good stability and hydrotropic characteristics over a wide pH range and in hard or soft water. The salt free nature of Lakeland AMA gives viscosity flexibility in admixture with anionic surfactants; viscosity can be modified by additives and is not affected by raw material impurities. This product is also excellent for use in contact with metals susceptible to salt pitting and corrosion and will in fact inhibit corrosion to ferrous and other metals.

Lakeland AMA is readily biodegradable, not harmful to aquatic organisms and practically non-toxic.

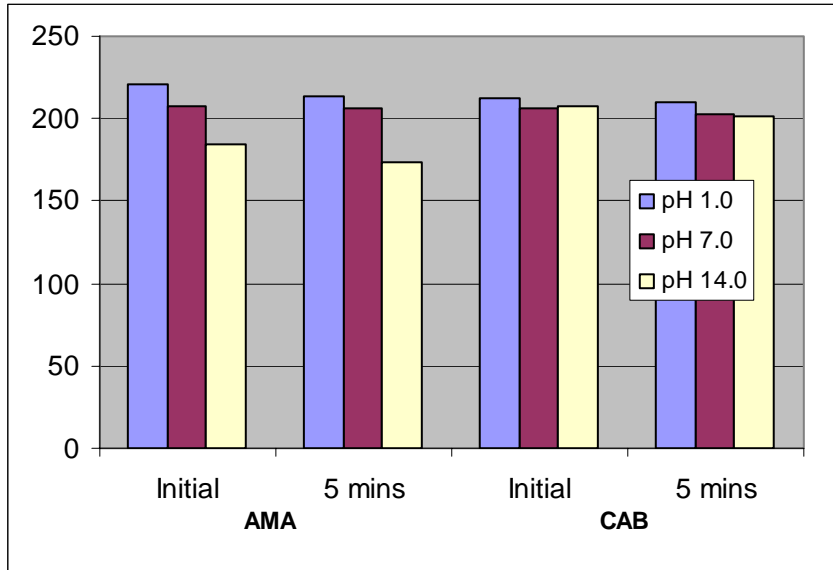
Alkaline stability means that Lakeland AMA is recommended in industrial hard surface and transport cleaning applications. Lakeland AMA confers alkaline stability in highly built formulations and solutions of non-ionic surfactants, limiting the amount of non-ionic needed. The solubilising properties of this product prevent cloud point difficulties and non-ionic layering and its tolerance to high electrolyte levels facilitates the formulation of highly concentrated products without cloud point difficulties.

Lakeland AMA has a synergistic effect with non-ionic surfactants giving good soil removal and dispersion characteristics, making it a good starting point for many cleaning and industrial formulations.

Amphoterics

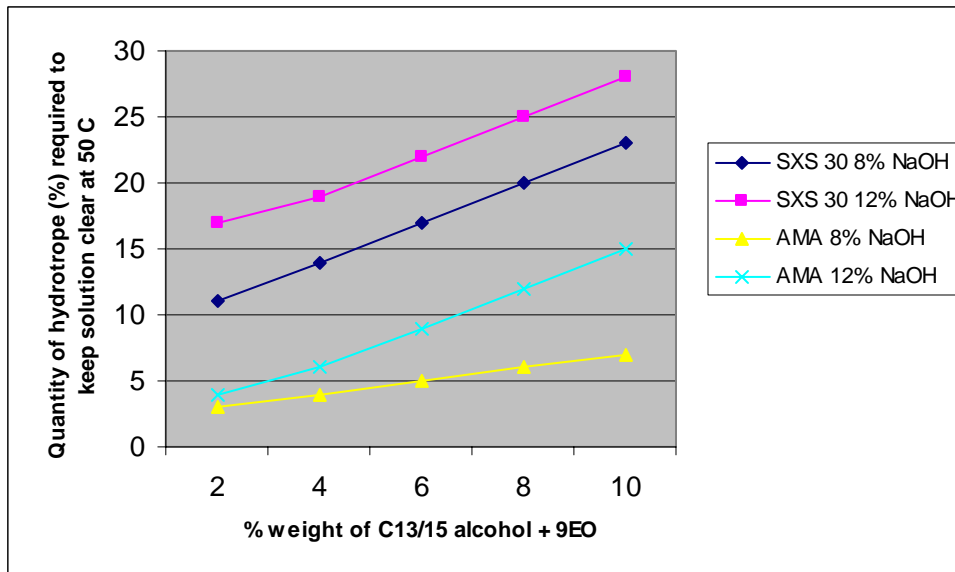
PROPERTIES

Foaming, Ross Miles Foam Heights in mm, ASTM D1173 (0.1 % active)



The adjacent graph demonstrates the high and stable foaming nature of Lakeland AMA, compared with CAB which is traditionally used for foam boosting.

Hydrotrope Properties



The above graph compares the hydrotrope capacity with that of a traditional surfactant, SXS 30%. In differing levels of NaOH and it can clearly be observed that far less AMA is required to obtain a clear, stable solution of non-ionic in alkali media.

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HANDLING & STORAGE

Lakeland AMA is non-toxic but irritant to eyes. Goggles, gloves and protective clothing should be worn for frequent handling. AMA should present no problems with handling if adequate standards of industrial hygiene are applied.

Exposure to severe frosts may cause AMA to solidify, warming and stirring will reconstitute the product.

This product will be stable for 12 months if stored in unopened sealed containers at temperatures between 0 to 30 °C.

TRANSPORT

TARIFF HEADING: 2922.49.95
UN PACKAGING GROUP: Non-hazardous
IMDG CODE/CLASS: Non-hazardous

PACKAGING

Bulk Road Tanker	
1000 ltr IBC's	1000 kg nett
205 ltr plastic drums	215 kg nett
25 ltr plastic drums	25 kg nett

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