PILOT CHEMICAL COMPANY
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MACAT® AO-12

PRODUCT DATA SHEET

PDS.831122.1.ACTIVE.08102022

PRODUCT DESCRIPTION

Macat® AO-12 is 30% active lauryl dimethylamine oxide in water. Macat® AO-12 is a versatile nonionic chemistry that can be used in a wide variety of applications and markets.

INCI NAME

Lauramine Oxide

CAS #

1643-20-5

TYPICAL PROPERTIES

Appearance	Clear, colorless to pale yellow liquid
Active, wt.%	30.0
Free Hydrogen Peroxide, wt.%	< 0.3
Free Amine, wt.%	< 0.9
Solubility in Water	Miscible
Freeze Point	0°C (32°F)
Shelf Life	2 Years

APPLICATIONS

Macat® AO-12 is a multiuse nonionic surfactant that offers foam boosting, detergency, wetting, grease cutting and rinsing performance for use in many household, institutional, and industrial applications such as hard surface cleaners, clean-in-place cleaners, and laundry detergents. Macat® AO-12 is compatible with nonionic, anionic, and cationic surfactants and is stable in hypochlorite formulations. Also stable in acidic systems, Macat® AO-12 exhibits enhanced surface activity for use in acidic floor and bathroom cleaners. For textile applications, Macat® AO-12 is non-rewetting above 350°F.

ADVANTAGES

Macat® AO-12 is CleanGredients® Listed, which means it has been pre-approved by the U.S. EPA to meet the criteria of their Safer Choice Standard. This certification may streamline the approval process for EPA's Safer Choice program, getting a formulator's Safer Choice labeled product to market faster.

Macat® AO-12 is on the List of Trade Names of Inert Ingredients Database. Macat® AO-12 is approved for use as an inert ingredient in pesticide formulations for pre- and post-harvest and food-contact surface sanitizing applications and is exempt from requirement of a tolerance under 180.910 and 180.940 with limitations.

HANDLING & STORAGE

Please refer to the Macat® AO-12 Safety Data Sheet (SDS) before handling. Employ normal safety precautions (i.e., glove and safety goggles) when handling. Prevent contact with skin and avoid contact with eyes. Wash hands thoroughly after handling material. Keep containers closed when not in use. Avoid overheating or freezing. Store at temperatures between 41°F to 120°F. If material is frozen, use mild heat and agitation to ensure the material is homogenous before use.

PACKAGING

Macat® AO-12 is available in 440 lb. poly drums and 2000 lb. poly totes, and bulk quantities

See starting formulas and additional product information at www.pilotchemical.com.

The information and suggestions given are drawn from data we believe to be reliable, but in all cases, the user should check and confim the suggestions and results in his own use before proceeding further. None of the suggestions or recommendations constitute freedom from any patents that may be existent in the field or be issued.

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