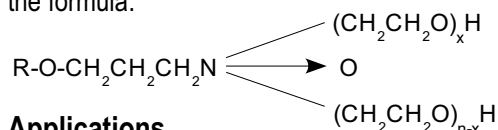


Tomamine® AO-728 Surfactant

Description

Tomamine AO-728 surfactant is a high foaming 50% active amine oxide. It is an economical replacement for lauryl dimethyl amine oxide and many alkanolamides. It is a very effective foam booster and stabilizer in liquid detergent formulations. Tomamine AO-728 surfactant is manufactured from an ethoxylated tertiary amine. These amine oxides are generally considered to be milder to skin and eyes than amine oxides manufactured from methyl tertiary amines.

Tomamine AO-728 surfactant is represented by the formula:



Applications

High foaming I & I cleaners
Dish detergents
Personal care

For Samples:

If you would like additional information or technical assistance in preparing specific formulations, write or call Air Products.

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Typical Properties

Active, %	50
Hydrogen peroxide %, max	0.35
Appearance @ 20 °C	Colorless liquid
Average molecular weight	366
Viscosity (mPa.s @ 20 °C)	140
Surface tension @ 0.1% (dynes/cm)	30
Pour point, °F	30
Flash point, °F	78
Specific gravity @ 77 °F	0.95
Gardner color, max	3

Advantages

- High foam
- Excellent detergency
- Foam boosting and stabilization
- Compatible in anionic, cationic and nonionic systems
- Viscosity building via pH change or salt addition

Performance Advantages

Tomamine AO-728 surfactant is a unique nonionic surfactant with many novel properties. The foam profile is stable over a range of hardness concentrations. The product is also a versatile viscosity modifier as can be seen in the plots below.

FIGURE 1: Tomamine AO-728 Surfactant Viscosity

