



Cola[®]Zolines

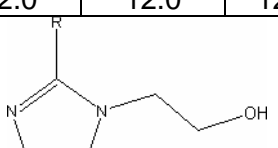
DESCRIPTION

Cola[®]Zolines, chemically described as 1-hydroxyethyl 2-alkyl imidazolines, are classified as cationic surface active agents. **Cola[®]Zolines** and their acid salts offer the following functional properties: wetting, emulsifying, detergency, thickening, moisture displacing, corrosion inhibiting, and antistatic effects. These functional properties are useful in agricultural emulsions, industrial cleaners, paints/coatings, plastics, and petroleum applications.

CHEMICAL PROPERTIES

Cola[®]Zolines are readily soluble in polar solvents and in hydrocarbons; however they are relatively insoluble in water. The acid salts of **Cola[®]Zolines** with low molecular weight acids (acetic, hydrochloric, or phosphoric acid) are water-soluble. Oil soluble salts can be formed by neutralization with long chain fatty acids, naphthenic acids, and alkyl or aryl sulfonic acids.

TYPICAL PROPERTIES

	C	O	CAP	IS	SC	LM	T
Fatty Acid	Coconut	Oleic	Caprylic	Isosteryl	Mixed Short Chain	Lauric Myrystic	Tall Oil
Appearance @ 25°C	Amber Liquid *	Amber Liquid *	Amber Liquid*	Amber Liquid*	Amber Liquid*	Amber Liquid*	Amber Liquid*
% Imidazoline (min.)	90	90	85	85	90	90	87
pH (10% dispersion)	10.5 – 12.5	10.5 – 12.0	10.0 – 12.0	10.0 – 12.0	10.0 – 12.0	10.0 – 12.0	10.5 – 12.0
Structure							

* Material may crystallize upon aging or exposure to low temperatures. Mild heat and agitation will restore to original uniform state.

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WARRANTY

Colonial Chemical guarantees that its products meet published specifications. No other warranties or guarantees are expressed or implied because the use of this material is beyond the control of Colonial Chemical.

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