



# Cola<sup>®</sup>Zoline LM

1:1 Imidazoline

**LISTINGS** Canada (NDSL); US (TSCA); Japan (MITI)

Cola<sup>®</sup>Zoline imidazolines are classified as neutral agents that can easily be converted to cationic agents. Cola<sup>®</sup>Zolines and their acid salts offer the following functional properties: wetting, emulsification, detergency, thickening, moisture displacement, corrosion inhibition, film formation, and antistatic effects.

### Chemical Properties

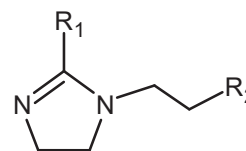
Cola<sup>®</sup>Zolines are readily soluble in polar solvents and in hydrocarbons while relatively insoluble in water. The acid salts of Cola<sup>®</sup>Zolines with low molecular weight acids (acetic, hydrochloric, or phosphoric acid) are water-soluble. Oil soluble salts can be formed by neutralization with long chain organic acids.

Advantages that imidazolines offer formulators are:

- Precursor for cationics
- Good emulsification for oils and bitumen
- Acid salts are water-soluble
- Water repellency and hydrophobic film forming
- Nominally 100% solids
- Improve lubricity
- Antistatic properties
- Corrosion inhibition

### SPECIFICATIONS / STRUCTURE

Appearance	Waxy Solid @ 25°C
Solubility Test	Solution Clear
Min. % Imidazoline	90
% Diamide	1.5 Max.
% AEEA	1.0 Max.
Min. % Active	> 98.0
Amine Value	203.0 – 240.0
Fatty Acid Source	Lauric/Myristic
Amine Type	AEEA
Color, Gardner	4 Max.



R1 = Alkyl R2 = OH

### STORAGE / HANDLING

Cola<sup>®</sup>Zoline LM should be stored in closed containers. Shipped in 55 gallon steel drums (net weight 420 lb/190 kg). Typical shelf life is 24 months from date of manufacture. Safety Data Sheets may be found at [www.colonialchem.com](http://www.colonialchem.com).

## Colonial Chemical

225 Colonial Drive · South Pittsburg, TN 37380  
[www.colonialchem.com](http://www.colonialchem.com)

*Innovative Specialty Surfactants*