



Cola[®]Zoline T

1:1 Imidazoline

LISTINGS TSCA (US), Canada (NDSL), Australia (AICS), Korea (ECL), New Zealand (NZIoC), China (IECSC)

Cola[®]Zoline imidazolines are classified as neutral agents that can easily be converted to cationic agents. Cola[®]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

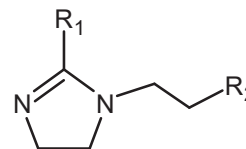
Cola[®]Zolines are readily soluble in polar solvents and in hydrocarbons while relatively insoluble in water. The acid salts of Cola[®]Zolines with low molecular weight acids (acetic, hydrochloric, or phosphoric acid) are water-soluble. Oil soluble salts can be formed by neutralization with long chain 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	Clear Liquid
Solubility Test	Solution Clear
Min. % Imidazoline	87
Min. % Active	> 98.0
Amine Value	160.0 – 175.0
Fatty Acid Source	Tall Oil
Amine Type	AEEA
pH (10% aqueous)	10.5 – 12.0
Color, Gardner	12 Max.



R1 = Alkyl R2 = OH

STORAGE / HANDLING

Cola[®]Zoline T should be stored in closed containers. Shipped in 55 gallon steel drums (net weight 400 lb/181 kg). Typical shelf life is 24 months from date of manufacture. Safety Data Sheets may be found at www.colonialchem.com.

Colonial Chemical

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Innovative Specialty Surfactants