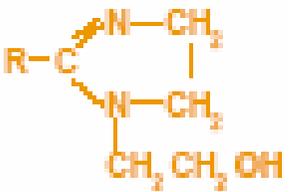
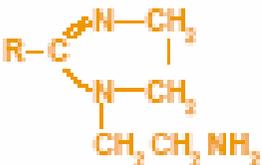
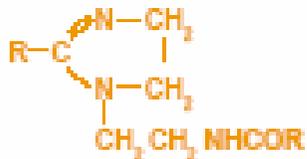


3 Imidazolines

Type	Product	R Group	Typical Appearance	SG	Equivalent Weight (typical)	Properties	Applications
Hydroxy Ethyl Imidazolines 	Imidazoline 8OH	C8	Amber Liquid	0.94	225	Hydrophobe, thermally stable, emulsification, oil soluble, corrosion inhibitor	Bitumen additive, cutting fluids, textiles, paints, adhesion promoter, metal working
	Imidazoline 12OH	C11/13 (Whole Coconut)	Clear amber liquid at 40C	0.94	260	Cationic, thermally stable, Dispersants, corrosion inhibition, dispersants, dewatering, emulsification, oil soluble, acid stable, substantive to metal, glass and paint	Metal working, lubricants, chemical intermediate
	Imidazoline 18OH	C17 (oleic)	Clear light brown to dark brown liquid	0.94	375	Cationic, thermally stable, corrosion inhibition, dispersant, dewatering, emulsification, rheology modifiers, oil soluble, adhesion promoter, acid stable, flocculation, softening, bitumen emulsification, substantive to metal glass and paint	Oil fields, metal working, textiles, paper, lubricants, road making, paints, inks, agriculture, maintenance chemicals, anti corrosives, acid cleaning
	Imidazoline 18OH Acetate	C17 (Oleic)	Clear light brown to dark brown liquid	1.03	-	Corrosion inhibition, water soluble, wetting agent, softening agent, anti static, de watering agent, adhesion promoter	Cutting fluids, textiles, lubrication, paints / pigment, dewatering, road making, metal working
	Imidazoline SOH	C17 (stearic)	Off white to light brown solid at 20C	0.97	375	Cationic, thermally stable, dispersants, dewatering, emulsification, oil soluble, acid stable, flocculation, softening (as quat), bitumen emulsification, substantive to metal, paint and glass	Oil fields, metal working , textiles, paper, lubricants, paints, inks, agriculture, maintenance chemicals

3 Imidazolines

Type	Product	R	Appearance	SG	Equivalent Weight (Typical)	Properties	Applications
Amino Ethyl Imidazoline 	Imidazoline 18NH	C17 (oleic)	Clear dark brown liquid at 20C	0.93	310	Cationic, thermally stable, corrosion inhibition, dispersant, dewatering, emulsification, rheology modifier, oil soluble, water soluble (salt form), adhesion promoter, acid stable, flocculation, substantive to metal, glass and paint	Oil fields, metal working, paint, inks, anti corrosives, acid cleaning
Amido Ethyl Imidazoline 	Imidazoline 18DA	C17 (oleic)	Clear Dark Brown / green liquid at 20C	0.93	620	Cationic, thermally stable, corrosion inhibition, dispersants, dewatering, emulsification, oil soluble, acid stable, bitumen emulsification, substantive to metal, glass and paint	Oil fields, metal working, paper, lubricants, road making, paints, inks, agriculture