SierraCor OLEIC:DETA

OVERVIEW: SierraCor OLEIC:DETA is synthesized through the reaction of oleic acid with diethylenetriamine (DETA), resulting in a compound featuring an imidazoline ring with a long hydrophobic oleyl chain. This structure imparts surfactant properties, making it effective as a corrosion inhibitor in industries such as oil and gas, where it forms protective films on metal surfaces to prevent corrosion. Additionally, its emulsifying capabilities are utilized in applications like metalworking fluids and industrial cleaners, aiding in the stabilization of oil-in-water emulsions. The amphiphilic nature of OLEIC:DETA imidazoline allows it to interact with both hydrophobic and hydrophilic substances, enhancing its versatility in various formulations.

CHEMICAL NAME: Oleic Acid-Diethylenetriamine Imidazoline

FUNCTIONS: Corrosion Inhibitor

SPECIFICATIONS:

Appearance:	Amber Liquid
Total Amine:	185.00-225.0
Imidazoline Ring Closure: Gardner	0 1.80-2.40
Color:	4.0-8.0
% Moisture:	0.00-1.00

MARKET APPLICATIONS:

- Oil & Gas – Drilling muds, oil production
- Metal Working – Metal Working Fluids
- Chemical Manufacturing – Raw material for Imidazoline quats

SEE SDS FOR STORAGE, HANDLING AND IN CASE OF SPILLS