

Product Overview

The CLARIMAX™ CM- 45 Detergent Polymer features water-soluble dispersants engineered for household, institutional, and industrial (I&I) cleaning formulations. This portfolio includes acrylic acid homopolymers designed for scale control, soil dispersion, anti-redeposition and formulation stabilization.

Technical Specifications & Analytical Profiles

The analytical data below represent typical physical and chemical properties. Values are typical and are not to be interpreted as sales specifications.

Technical Property	Unit	CM-45
Physical Appearance	—	Colorless to Yellow Liquid
Chemical Grade	—	Partially Neutralized Na+ form
Average Molecular Weight	g/mol	4500
Total Solids	%	48 ± 1
pH Value (@ 25°C)	—	3.0 – 5.0
Specific Gravity (@ 25°C)	g/cm ³	1.00 – 1.20
Dynamic Viscosity (@ 25°C)	cps	400 – 1400

Recommended Application Areas

Commercial and Consumer Laundry: Applicable to liquid detergents, concentrated powders and laundry additive systems.

Automatic Dishwashing (ADW): Applicable to unit-dose tablets, gel systems, liquid detergents and rinse aids.

Institutional and Industrial (I&I) Cleaners: Applicable to warewashing, bottle-washing and metal-cleaning formulations.

Industrial Process Cleaning: Applicable to clean-in-place (CIP) systems operated under moderate to high alkalinity.

Packaging and Storage Handling

Standard Packaging: Supplied in HDPE drums, intermediate bulk containers (IBCs) and bulk tankers.

Storage Conditions: Store in original, tightly closed containers. Protect from freezing and prolonged exposure to excessive heat.

Handling Note: Direct sunlight or temperatures above 35°C may cause the HDPE drums to bulge slightly. This is a normal physical reaction caused by water evaporation and does not affect product quality. To resolve this, gently loosen the cap to release the pressure, then tighten it again. Move the HDPE drums to a cool, shaded area.

Disclaimer

The information provided herein is based on current laboratory data and technical knowledge and is intended as guidance for product evaluation and use. Reported values represent typical characteristics and are not to be construed as sales specifications. Product suitability shall be determined by the user under actual process and end-use conditions. No warranty, express or implied, is given regarding performance or fitness for a particular purpose.