

DeTERIC ODP-LF

DeTERIC ODP-LF, sodium octyliminodipropionate, CAS# 94441-92-6, is an excellent, low foam hydrotrope recommended for use in alkaline and acid systems. This amphoteric has an isoelectric point at pH ~7.0. It is readily biodegradable and suitable for use in environmentally safer formulations.

SPECIFICATIONS

Appearance @ 25°C:	Yellow liquid
% Activity:	50 +/- 1%
pH (as-as):	7.5 – 9.5
Color* (Gardner):	8 max.

* darkens on aging

SOLUBILITY DeTERIC ODP-LF is soluble in water, alcohols, and glycols. It is insoluble in oils and most solvents.

TYPICAL PROPERTIES:

Density @ 25°C	~1.11 g/ml
VOC	0.0 grams/liter (ASTM E1868-10 / SCAQMD RULE 1144)

- Practically non-foaming
- Excellent stability in strong alkali, acid, & moderate concentrations of electrolytes
- Compatible with all surfactant types
- Approved for use as inert in non-food pesticide formulations
- Readily biodegradable
- Brine stability
- Stabilizes foam in brine solutions
- Excellent hydrotrope & solubilizer
- Exhibits corrosion inhibitor properties

APPLICATIONS

- Low foam, highly alkaline or acid cleaners
- Mechanical dishwashing detergents
- Steam cleaners
- Laundry detergents
- Dairy cleaners
- Alkaline cleaners
- Concrete cleaners
- Demulsifier for oils and grease in wastewater streams
- Acid bowl cleaners
- Acid tile cleaners
- Demulsifier for tramp oils in synthetic cutting fluids

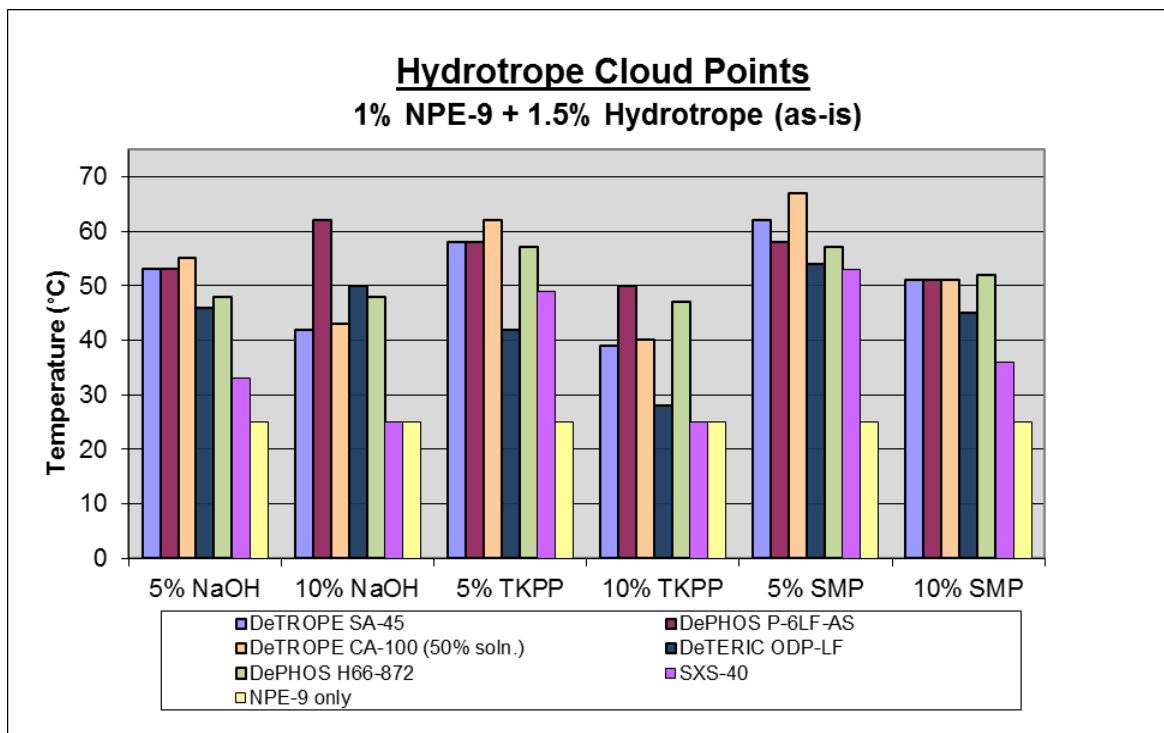
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Cloud Point Data

DeTERIC ODP-LF was tested for its ability to hydrotrope NPE-9 into a variety of alkaline electrolytes. The test consisted of adding 1.5% by weight of a hydrotrope to the electrolyte, followed by 1.0% by weight NPE-9. The solution was then heated until reaching the cloud point, the temperature at which the NPE-9 clouds out of solution.



Hydrotropes compared:

DeTERIC ODP-LF: sodium octyliminodipropionate

DeTROPE SA-45: sodium alkanoate

DeTROPE CA-100: mixed amine carboxylate

DePHOS H66-872: phosphate ester

DePHOS P-6LF-AS: phosphate ester

SXS: sodium xylene sulfonate