



ADEKA NOL L, F, P Series

-Propylene Oxide (PO) and Ethylene Oxide (EO) ADEKA NOL L Series Surfactants capitalize on ADEKA's extensive expertise in ethylene oxide (EO) and propylene oxide (PO) chemistry. We have expanded our line of nonionic surfactants to deliver these liquid EO/PO block copolymers, which have numerous applications in defoaming, wetting and emulsifying

-INCI Name: Poloxamer

-Packing Size: 18kg/can

*Summary

COMPOSITION	PROPERTY	CHARACTERISTICS/USE
PO/EO block copolymers	Transparent liquid or white flake	Good emulsifiability, dispersibility, solubilizing property, detergency, defoaming property. High safety.

*Features

✓ "Nonionic" emulsifier, co-emulsifier, solubilizing agent, and washing soap

✓ Very weak Skin irritation and eye irritation

*Benefits

✓ Low toxicity

✓ High molecular weight

✓ Low foaming

✓ Excellent emulsifying

✓ Excellent dispersing and solubility



✓ Excellent lubricity

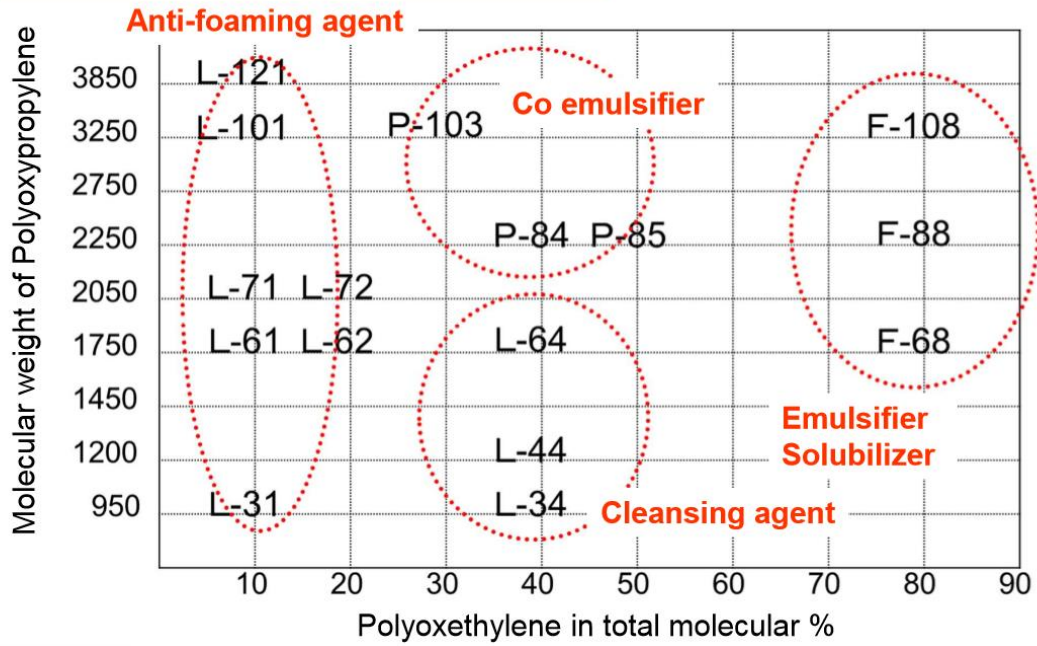
***APPLICATIONS Pharmaceutical, Cosmetic & Fermentation**

- ✓ Emulsion dispersing agent
- ✓ Defoaming agent
- ✓ Solubilizer for fragrance
- ✓ Cosmetics based agent
- ✓ Shampoo for sensitive-skin & baby products
- ✓ Protective agent for dust
- ✓ General defoaming agent

The list of ADEKA NOL L/F/P series

Product name	INCI name	
ADEKA NOL L-31	POLOXAMER 101	
ADEKA NOL L-44	POLOXAMER 124	
ADEKA NOL L-61	POLOXAMER 181	PEG/PPG-5/30 COPOLYMER
ADEKA NOL L-64	POLOXAMER 184	
ADEKA NOL L-72	POLOXAMER 212	
ADEKA NOL L-101	POLOXAMER 331	
ADEKA NOL P-84	POLOXAMER 234	
ADEKA NOL P-85	POLOXAMER 235	
ADEKA NOL P-103	POLOXAMER 333	
ADEKA NOL F-68	POLOXAMER 188	PEG/PPG-150/30 COPOLYMER
ADEKA NOL F-88	POLOXAMER 238	
ADEKA NOL F-108	POLOXAMER 338	PEG/PPG-300/55 COPOLYMER

The function map of ADEKA NOL L/F/P series



-TDS, formulating guides attached