



Add Goodness

## DEFOAMING SURFACTANTS ADEKA NOL LG-109 & ADEKA NOL LG-126



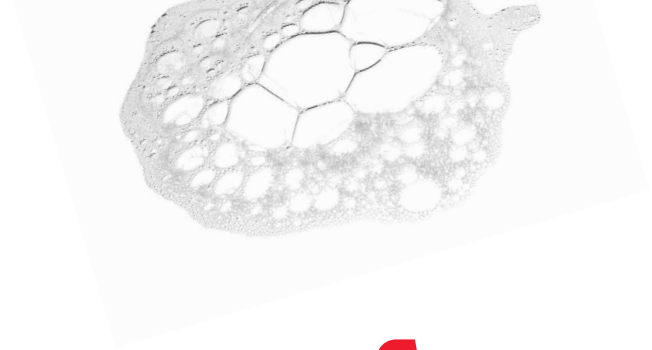
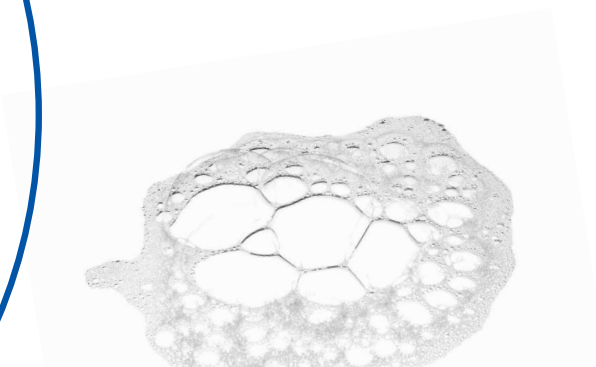
## ADEKA – WHO WE ARE

**ADEKA** Corporation is a Japanese chemical company with more than a century of experience in the cosmetics and detergents market, having nowadays more than 12 offices, 4 R&D and 15 production sites worldwide.

**ADEKA** is a global company with polymer additives business organizations in Japan, Korea, Taiwan, Thailand, Singapore, China, India, USA and Europe. With global R&D centers, responsive sales and logistics organizations and a worldwide distribution network, ADEKA offers a broad portfolio of products to customers worldwide.

**ADEKA** has been present in the surfactants market in Europe for more than 20 years now. In 1999, ADEKA centralized their European sales activities in a new head office, ADEKA Europe GmbH, in Düsseldorf, Germany.

**ADEKA** has a dedicated Research & Development group equipped with latest technology and modern facilities for testing and evaluation of additives performances, which help to provide innovative solutions to the market.



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### Our Distributors

As a global chemical manufacturing company, ADEKA has established an effective global distribution network, utilizing qualified distributors and serving all targeted markets around the world. The company is fully dedicated to serving our small customers, and the distribution strategy is structured by geographic region.



# ADEKA NOL LG-109 & LG-126

The LG Series are nonionic EO/PO based defoamers (polyalkylene glycol structure). They have excellent foam breaking effects, excellent dispersing effects in water, few influence on detergency and are resistant to alkalis. ADEKA NOL LG-109 & LG-126 emulsions are specially designed for removing biological fermentation foam, like for example Astaxanthin. The emulsified state will automatically recover after high-temperature sterilization, and neither water and oil in fermentation liquid will be separated, nor will demulsification be caused. The LG series are used in numerous applications in defoaming, wetting and emulsifying.

## BENEFITS

- Easy to sterilize
- Excellent foam breaking effects
- Excellent dispersin effects in water
- pH independence
- Resistance to alkalis (Chemical stability)
- Halal/Kosher certification
- Less influence for detergency - nonionic, anionic surfactants



## FEATURES

- Superior defoaming durability
- Low adsorption to products
- Good removability
- Break the foam
- Highly stable non-ionic polymer compounds
- Can be used with traditional antifoaming agents
- Excellent effects on defoaming in various fermentation industries

## PHYSICAL PROPERTIES

PHYSICAL PROPERTIES		Unit	LG-109	LG-126
Appearance		-	Transparent Liquid	
Active ingredient concentration		%	100%	
Specific gravity (25°C)		-	1.02 ~ 1.03	1.02 ~ 1.03
Viscosity (25°C)		mPa·s	630	850
Solubility	Water (10°C)	g/100mL	10 ≤	10 ≤
	Water (25°C)	g/100mL	Approx. 1	Approx. 1
	Paraffin	g/100mL	Approx. 1	1 ≥
	Ethanol	g/100mL	10 ≤	10 ≤
Cloud Point (10wt%aq.)		°C	10.9	11.5

ADEKA NOL LG-109 & LG-126 dissolve in cold water below 10°C, so it is easy to separate from the product and wash of the fermenter

## APPLICATIONS

- Fermentation
- Pharmaceutical and cosmetics
- Detergent (washing process)
- Food processing

ADEKA's defoamers are used to destabilize the structure of foam after formation. We use EO/PO polymers at temperatures close to their cloud point. an oily droplet is created which sits at the air/water interface and acts as anti foam.

ADEKA NOL LG-109 & 126 have very good dispersing properties and are well suited when deposit problems are an issue.

