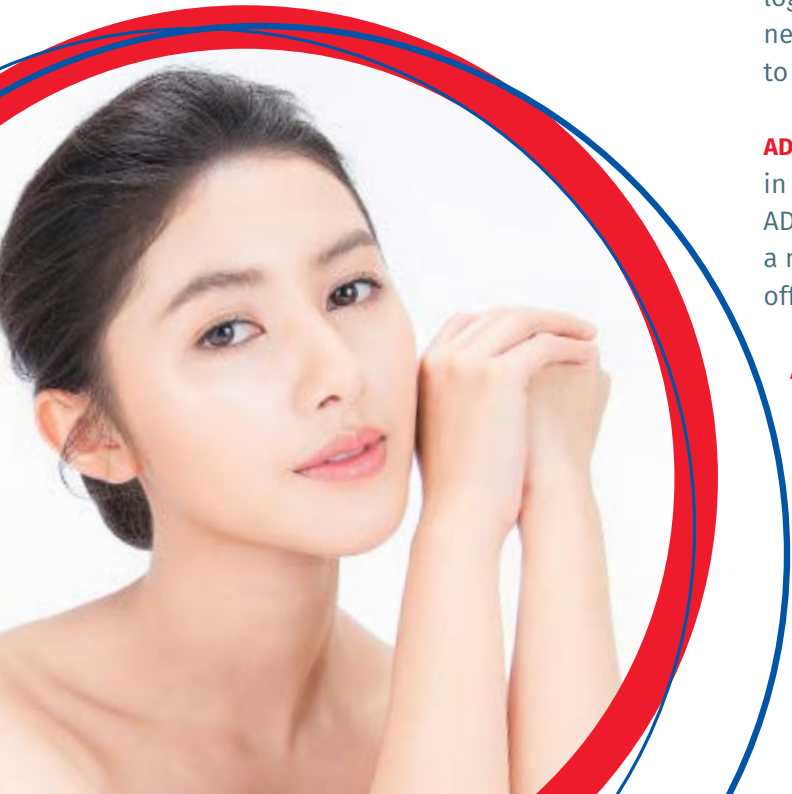




ADEKA NOL L, F, P DEFOAMING SURFACTANTS



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 L, F, P are copolymers being considered for their general functionality as surfactants, emulsifiers, solubilizers and stabilizers in almost all cosmetic preparations. The Poloxamers boost the formation of well dispersed emulsions of usually not miscible liquids by changing the interfacial tension. They decrease the interfacial tension of cosmetic preparations and contribute to equal distribution during the application.

ADEKA NOL P-84

POLOXAMER 234

ADEKA NOL P-84 reverts to liquid when the temperature is lowered and then reform as gels when the temperature is increased. Its functions are emulsifying, cleansing and solubilizing agents.

ADEKA NOL P-85

POLOXAMER 235

ADEKA NOL P-85 has conditioning effects and can be used for toiletry and haircare products. It can boost foam volume and make foam firm and elastic.

ADEKA NOL P-103

POLOXAMER 333

ADEKA NOL P-103 is a wetting agent and mild detergent. It is suitable for use in hair care, sun care, antiperspirants and deodorants, as well as for bath and shower products.

ADEKA NOL L, F, P

ADEKA NOL L, F, P are nonionic polymer surfactants which are composed of polyethylene glycol & polypropylene glycol. By varying the molecular weight and ratio, it is possible to achieve various properties. Furthermore, ADEKA NOL L, F, P have mildly

irritation properties making the products useful for cosmetic ingredients as well as for detergents.



FEATURES

- Non-corrosive
- PO / EO block copolymer
- Multifunctional
- Miscible & Compatible with ionic surfactants

BENEFITS

- Low toxicity
- Solubilize & Stabilize
- Broad molecular weight
- Low foaming & Defoaming
- Excellent emulsifier
- Excellent dispersant & Solubilizer
- Excellent lubricity
- Highest cleansing activity

ADEKA NOL L-44

POLOXAMER 124

ADEKA NOL L-44 finds particular application in skin care such as liquid soaps, cleansing wipes or make-up removers. It is furthermore also used as an emulsifier (o/w or w/o) in a wide variety of areas from cosmetics to oral care products.

ADEKA NOL L-61

POLOXAMER 181

ADEKA NOL L-61 functions as a W/O emulsifier and is an excellent defoamer that finds application in lotion cream.

ADEKA NOL L-62

POLOXAMER 183

ADEKA NOL L-62 is a solubilizer with wetting, dispersant and cleansing properties.

ADEKA NOL L-64

POLOXAMER 184

ADEKA NOL L-64 has the highest cleansing activity of the available Poloxamers. Therefore, and due to the low skin and eye irritation, ADEKA NOL L-64 is mainly used as cleanser in mild facial products such as make-up cleansing wipes but also in color cosmetics. It also finds application as o/w emulsifier.

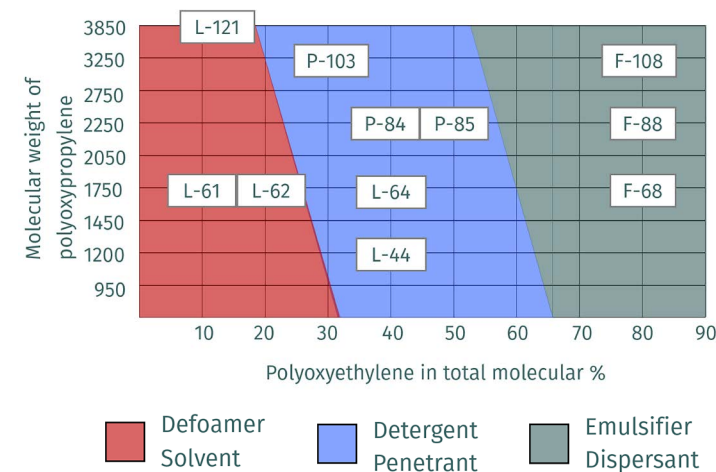


ADEKA NOL L-121

POLOXAMER 403

ADEKA NOL L-121 is used as coemulsifier and bodying agent in creams and liquid emulsions. Another application is as a solubilizer for certain active substances and essential oils in cosmetic preparations.

MOLECULAR STRUCTURE



ADEKA NOL F-68

POLOXAMER 188

ADEKA NOL F-68 has the best foaming properties of the available Poloxamers. Therefore, it is mainly used in shower gels, washing foams, shaving gels but also in oral care applications such as toothpastes or mouthwash products. It easily solubilizes perfume oils.

ADEKA NOL F-88

POLOXAMER 238

ADEKA NOL F-88 is an effective solubilizer for substances demonstrating pharmaceutical activity. It demonstrates good adsorption characteristics.

ADEKA NOL F-108

POLOXAMER 338

ADEKA NOL F-108 is a mild detergent and water gelling agent, O/W emulsion stabilizer and solubilizer. Synperonic PE/F127 can be used to produce W/O/W multiple emulsions. Suitable for use in skin care and hair care.

