



Add Goodness

## ADEKA NOL OU-1 OIL-SOLUBLE FILM FORMER



## 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, UAE, Brazil, 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 OU-1

INCI: PPG-12/SMDI COPOLYMER

ADEKA NOL OU-1 is an oil soluble polymer that helps to enhance adhesion and is widely applicable in cosmetic formulations for Skin, Lashes, Hair or Nail. It improves water- & rub-resistance, overall stability of the film, imparts gloss and helps suspend pigments. It has an excellent color stability & no odor. The recommended usage level in formulations is 1-10%.

## BENEFITS

- Produces a continuous film on skin, hair or nails
- Can boost SPF
- Can enhance gloss drastically
- Keeps the skin moisturized
- Easy to dissolve in oil
- Texture modifier for oil based formulations
- Long-lasting
- Non-tacky



## FEATURES

- Flexible
- Water & humidity resistant
- Easy to use & High performance

## PROPERTIES: OIL SOLUBILITY

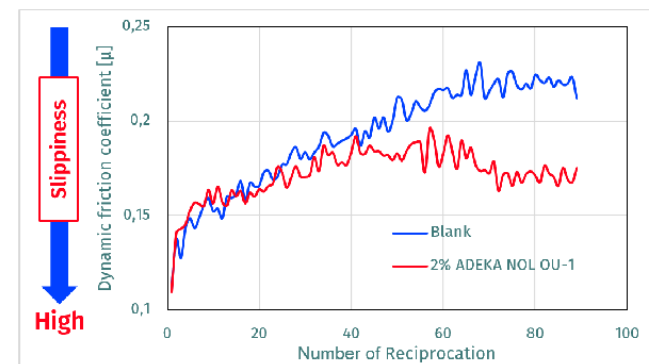
OIL		POLARITY	SOLUBILITY
INCI NAME			
Triethylhexanoin	High	Readily soluble	
Ethylhexyl Hydroxystearate	Medium	Readily soluble	
Isononyl Isononanoate		Readily soluble	
Cyclopentasiloxane	Low	Insoluble	
Diphenylsiloxy Phenyl Trimethicone		Readily soluble	
Hydrogenated Polyisobutene		Insoluble	

**Test condition:**  
Temperature: 25°C, OU-1 content: 10%

- ✓ China INCI (IECIC)
- ✓ REACH
- ✓ Packaging: 18 kg can
- ✓ Shelf-life: 3 years
- ✓ No animal testing

ADEKA extended their product line with a film former, putting their focus on a high quality level Oil-Soluble Film Former. The reason is simple: too many customers were not satisfied with the quality of existing oil film formers on the market. ADEKA is always eagerly accepting to face the quality challenges & puts the highest effort into the development of superior quality in their laboratory in Japan. The R&D team with specialized expertise and complementary skill sets, innovates & produces constantly excellent performing products. It is always focused on performance & best results.

## OU-1 - FRICTION TEST



### Test condition:

Tested the dynamic friction coefficient on a general O/W cream formula.  
Equipment : TRIBOGear HHS2000S (HEIDON)  
Contactor: Artificial skin  
Temperature : 37°C, Load: 50gf, Moving speed: 20mm/sec,  
Distance: 20mm, Sample amount: 20mg

### Results:

OU-1 gives slippery texture with less friction to formulas.

