



ADEKA NOL OUH-21 eco
ADEKA NOL OUH-22 eco
NATURAL HIGH VISCOSITY OIL



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.



ADEKA EUROPE GMBH

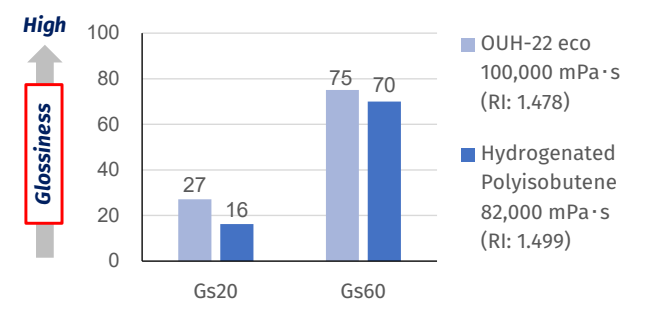
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OUR DISTRIBUTORS

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.

GLOSS



METHOD

Apply each oil onto artificial skin with 50 µm thickness and measure gloss by glossmeter



ADEKA NOL OUH-21 eco

ADEKA NOL OUH-22 eco

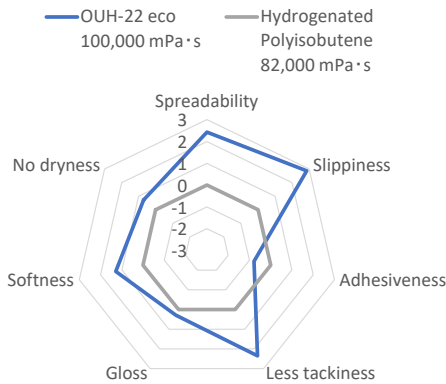
INCI: POLYGLYCERYL-2 DIISOSTEARATE/IPDI COPOLYMER, POLYGLYCERYL-2 DIISOSTEARATE

ADEKA NOL OUH-21 eco and OUH-22 eco are a transparent non-greasy high viscosity oil with a soft and smooth skin feel. Both products are easy to use and are compatible with a wide range of waxes and fatty ingredients. Stable and easy-to-use, it is slightly yellow clear, odorless, and tasteless. It is ideal for use in a wide range of personal care applications including skin care, hair care, sun care, and color cosmetics. Natural alternative for high-viscous Hydrogenated Polyisobutene.

BENEFITS

- Soluble with many different waxes and oils
- Brings a luxurious smooth with less tackiness and high gloss effect
- Makes formula stable due to high viscosity in low shear rate
- Good spreadability due to high thixotropic property
- High-temperature dependent
- Moisturizing properties
- Leave-on and rinse-off
- ISO16128: 0.88 (OUH-21 eco), 0.85 (OUH-22 eco)
- RSPO MB to be certified

SENSORY TEST



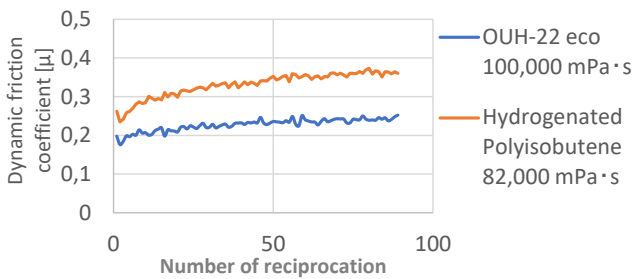
METHOD

Prepare a general lip gloss formula with OUH-22 eco and Hydrogenated Polyisbutene. Adding amount of each in formula is 50wt%. Panelists compared the formula containing OUH-22 with Hydrogenated Polyisobutene formula, of which score was set 0 in all parameters.

APPLICATIONS

- Color cosmetics (foundations, lip & Skin care)
- OW & WO emulsions
- Suncare formulations
- Skin care lotions and creams
- Cleansing oils & balms & sticks

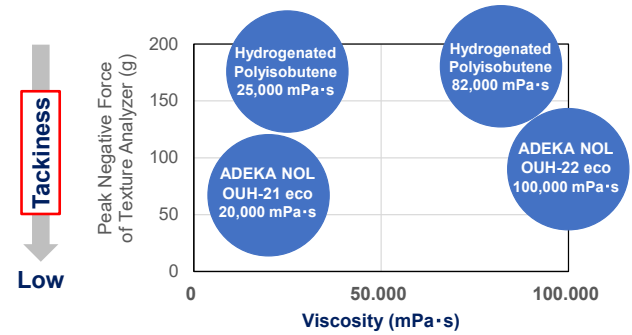
FRICTION TEST



METHOD

Prepare a general lip gloss formula with OUH-22 eco and Hydrogenated Polyisobutene. Adding amount of each in formula is 50wt%. Measure dynamic friction coefficient on each formula using artificial skin and friction tester.

COMPARISON WITH HYDROGENATED POLYISOBUTENE



METHOD

Apply each oil onto glass with 250 μm thickness and measure peak negative force by texture analyzer

OIL SOLUBILITY

Oil	INCI Name	OUH-21 eco	OUH-22 eco
Ester	Ethylhexyl Palmitate	S	S
	Diisostearyl Malate	S	S
	Caprylic/Capric Triglyceride	S	S
Hydrocarbon	Isododecane	S	S
	Squalane	S	S
Silicone	Diphenylsiloxy Phenyl Trimethicone	S	S
	Dimethicone	I	I
UV absorber	Ethylhexyl Methoxycinnamate	S	S
Vegetable oil	Olea Europaea (Olive) Fruit Oil	S	S

METHOD

Test conditions. Temperature: 25°C, OUH eco content: 5% (Solubility) S: Soluble I: Insoluble