


Nessol™ Solvents

Sustainable solutions From your partner in solvents



At Neste, we focus on solutions that maximize value and minimize environmental impact. No wonder we've been rated one of the most sustainable companies in the world.

Solutions that help you add value

We provide clean, low-aromatic and aromatic-free hydrocarbon solvents for industrial use. Typical applications include manufacturing of paints, glues and rubber as well as cleaning, degreasing and extraction processes. These low-aromatic and aromatic-free solvents contribute to products that create a better working environment and lower emissions.

Paints, coatings and inks	In wood oils, oil-based paints, as thinner, as plasticizer for resins, and to bind dust.
Technical fluids	As a lubricating oil in metal working fluids, or as a carrier for actives or additives.
Expandable polystyrene/polyurethane	As a blowing agent.

How we work with solvents

We are problem-solvers. Our R&D team is constantly listening to customers to learn more about your challenges and opportunities so we can develop products and solutions that do the job better. With our own, independent production, from raw materials to final, dedicated products for end customers, we are able to guarantee product quality, delivery and sustainability.

Neste only produces low aromatic and de-aromatized solvents, which are better for air quality. We provide alternatives from low to high flash points and with different densities. Further details about their composition and benefits are found in the table on pages 4-5.

Our solvent products are manufactured at Neste Finland's refinery at Naantali, which is operated in line with certified operating systems. Because taking care of health, safety and the environment is a core value of our entire company and part of our daily work.

An outstanding partner

Global player

Founded in 1957, Neste is already the world's leading supplier of renewable oils, with a 60% share of the world's total renewable diesel production capacity. Solvents are part of our global specialty products business area, with a dedicated team that serves customers all over the world. Neste has a total of 30 refining units, with 10 refining units for Nessol production. Now we're ready to take the leading role as a supplier of low-aromatic, de-aromatized and renewable solvents.

Total control of production quality

Our solvent products are manufactured at Neste Finland's refinery at Naantali and operated by certified systems. Neste experts work 24/7 and follow the products from the distillation of crude oil to the delivery tank. This ensures that we have total control over production quality and specifications every step of the way, delivering exactly what you asked for.

Patented technology for renewables

Patented NEXTBTL™ technology allows flexible use of different vegetable oils and waste animal fat as raw materials in many of our products, including solvents. MY Renewable Isoalkane™ is our first renewable solvent product. Our R&D team is working to develop more products in response to customer demand. For more information, or if you are looking for something that doesn't exist – yet – please contact the specialty products team.

Number one in sustainability

Taking care of health, safety and the environment is part of our everyday work and a core value for everyone who works here. Our products reduced greenhouse emissions by more than 8.3 million tons in 2017. That's one reason why we are ranked number one in our industry in sustainability and number two of all companies globally.



Our track record: Quality, Flexibility, logistics

One reason our customers are so loyal is that we listen carefully and find solutions. For example, when one of our customers needed a stricter specification on the flashpoint for Nessol D100+, we fine-tuned the production process of our refining units to produce a special batch for them.

Another customer asked us to create a new product for them, so we evaluated the production feasibility, logistics and investment required to do it. We were then able to set up production in a few months and the product is now in our portfolio. A perfect partnership: The customer gets a solution, and we get to offer a new product.

One customer had a logistics issue and wanted to use their own unloading procedure. This led us to investigate and develop a solution that could meet the customer request and the requirements of our own terminal. It's another example of good partnership, because our investment in changing our terminal constraints will lead to smoother logistics with other customers as well.

Other customers need help with the administration around use and transportation of chemical products in Europe. All of our customers are important to us, and our experts are always happy to offer support for these and other issues.



How we work with you

Our long experience and reliability as well as our flexible deliveries make Neste a partner you can rely on to keep your business running smoothly. That's why we have some of the most loyal customers in the world, with relationships going back decades. And our relationship with you is governed by three core promises:

1. Expert service

Product development, manufacturing and our expert customer service personnel can answer your most challenging questions, whether you're looking for a new product, better logistics, or just help with regulatory paperwork.

2. Unmatched quality

Neste has long experience in the manufacture of various petroleum products and is the world's leading supplier of renewable oils. Pure, low aromatic and aromatic-free hydrocarbon solvents processed in Finland have always been manufactured to the highest quality standards to meet the needs of our customers.

3. Reliable supplies

We guarantee reliable and secure deliveries, so you can focus on your core business, secure in the knowledge that we keep our promises. Some 350 ships leave our harbor with our products every year, and 1.3 million tons of our products passed through our truck and train terminal in 2017.

		Examples of applications	Density 15°C kg/m ³	Flash Point °C	Boiling range °C	Sulphur mg/kg	Aromatics vol %	n-hexane wt %	Aniline point °C	Viscosity 20°C / 40°C mm ² /s
Aromatic Solvents	NESSOL 40	Paint or similar product diluent, paint equipment cleaning agent, cleaning / dry cleaning / degreasing product, bitumen diluent...	~ 785	> 40	160 - 200	< 1	~ 14		~ 57	~ 1.2 / 1.0
	NESSOL 60	Paint or similar product diluent, paint equipment cleaning agent, cleaning / dry cleaning / degreasing product...	~ 800	> 60	175 - 225	< 1	~ 17		~ 59	~ 1.7 / 1.2
Dearomatized Solvents	NESSOL PENTANE 15 - 75	Elastomers or plastic industry, blowing or foaming agent...	~ 630		< 40	< 1	< 0.01			
	NESSOL HEXANE	Oil extraction process for food industry, cleaning product (wax, oil, grease), rubber adhesive diluent, adhesif tape industry...	~ 680		65 - 75	< 1	< 0.01	~ 35		
	NESSOL HEPTANE	Rubber industry, oil paint and rubber diluent, paint and varnish component, cleaning products...	~ 720		90 - 100	< 1	< 0.05	~ 0.8		
	NESSOL D40	Paint and varnish, wood preserver component, anti-corrosion component, cleaning product (oil, wax, grease), dry cleaning, adhesive industry...	~ 775	> 40	155 - 200	< 1	< 0.02		~ 67	~ 1.3 / 1.0
	NESSOL D60	Paint industry, cleaning (grease, oil, anti-corrosive), shoe polisher...	~ 790	> 60	180 - 220	< 1	~ 0.004		~ 70	~ 1.8 / 1.3
	NESSOL D80	Paint industry, aluminum processing...	~ 810	> 75	200 - 245	< 1	~ 0.05		~ 72	~ 2.5 / 1.7
	NESSOL D100	Drilling oil, printing ink component, component in several technical chemical products, metalworking fluid...	~ 815	> 100	230 - 270	< 1	~ 0.17			~ 3.6 / -
	NESSOL D100+	Drilling oil, component in several technical chemical products, metalworking fluid...	~ 820	100 - 120	230 - 300	< 1	~ 0.15			~ 4.1 / 2.6 - 3

Neste in brief

Neste (NESTE, Nasdaq Helsinki) creates sustainable solutions for transport, business, and consumer needs. In 2018, it placed 2nd on the Global 100 list of the most sustainable companies in the world.

Our wide range of renewable products enables our customers to reduce climate emissions. We are the world's largest producer of renewable diesel refined from waste and residues, introducing renewable solutions also to the aviation and plastics industries.

We are also a technologically advanced refiner of high-quality oil products. We want to be a reliable partner with widely valued expertise, research, and sustainable operations.

In 2017, Neste's revenue stood at EUR 13.2 billion.

[Read more at neste.com](http://neste.com)



Our hands-on experience in logistics ensures reliable deliveries from our Naantali, Finland, plant. With a track record of reliable and flexible deliveries, we're a partner you can depend on.

Neste by the numbers

Capacity to handle
300 kt
solvents annually

#1
in sustainability
in our industry

Revenue
EUR
13.2
billion

Our renewable
products reduced
climate emissions by
8.3
million tons in 2017

#2
globally on
sustainability
performance
(2018)

5 300
employees
worldwide



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