



NITROERG
KGHM Group

NITROCET 50®

Cetane Number Improver

Let's improve the diesel fuel!

NITROCET 50® – RESPONDS TO THE NEEDS OF VARIOUS CUSTOMERS

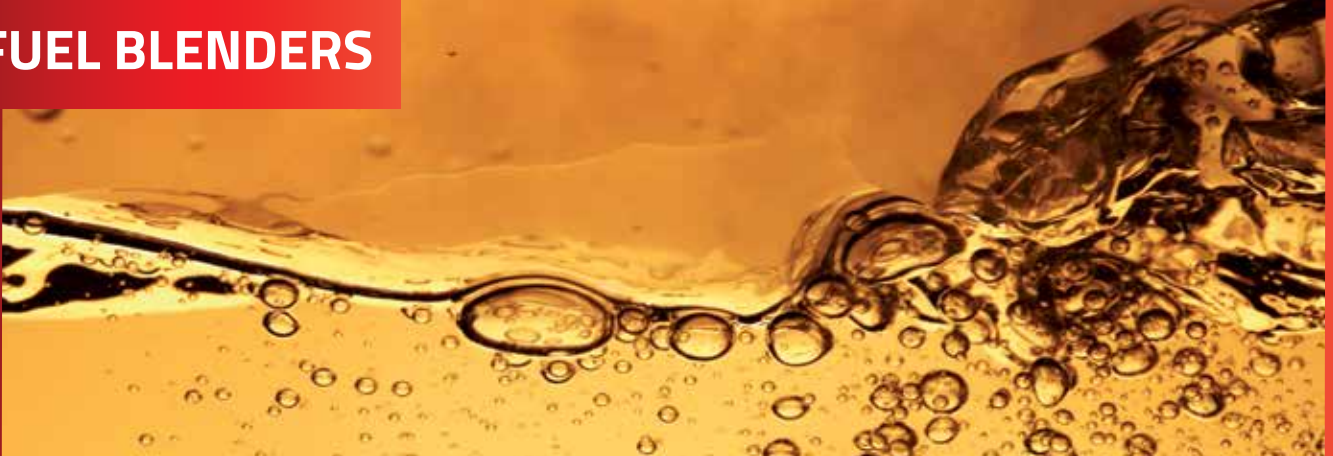
NITROCET 50® is a 2-Ethylhexyl nitrate (2-EHN) used for increasing the cetane number, improving the ignition performance of diesel oils and reducing the emission of exhaust gases. Because of its excellent technical parameters, 2-EHN manufactured by NITROERG S.A. belongs to Cetane Number Improvers of the latest generation and perfectly meets the requirements of various customers.

NITROCET 50® is dedicated to the following groups of customers:

REFINERIES



FUEL BLENDEERS



PRODUCERS OF FUEL ADDITIVES



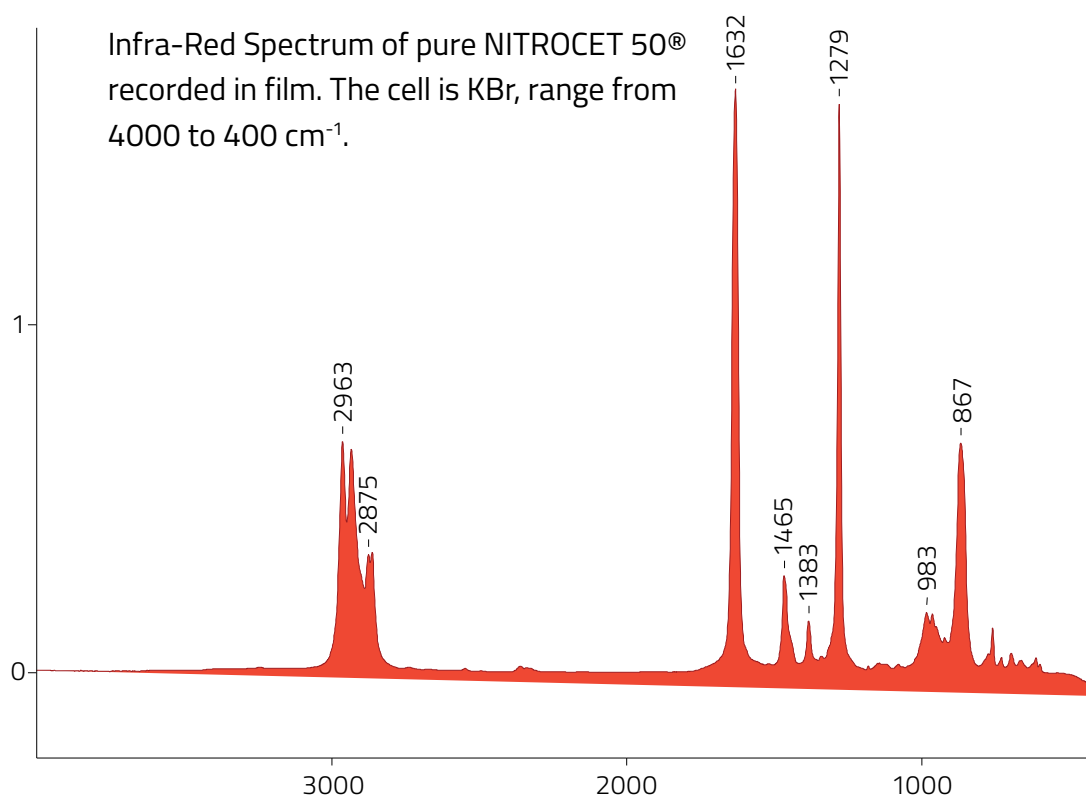
PRODUCT SPECIFICATION



NITROCET 50® is a clear colourless liquid of specific hydrocarbon smell. Technical parameters shown below guarantee high effectiveness of the 2-EHN and – as a result – your final product.

Parameter	Minimum	Maximum	Method
2-Ethylhexyl nitrate content (%)	99.5		GC
2-Ethylhexanol content (%)		0.5	GC
Density at 20°C (kg/m ³)	962	966	Oscillatory
Acidity of water extract (%)		0.003	Internal NITROERG's method
Water content (%)		0.05	Carl-Fisher
Refractive index n_D^{20}	1.4305	1.4315	ASTM D-1218
Hazen colour		0.5	ASTM D-1500

High quality and purity of the NITROCET 50® can be proved by the results of the spectrum analysis.



NITROCET 50® – BUSINESS DEVELOPMENT



NITROCET 50® has been manufactured by our company since 1997. Having over twenty years of experience in 2-EHN production, we can offer our clients the product of very high and firm quality.



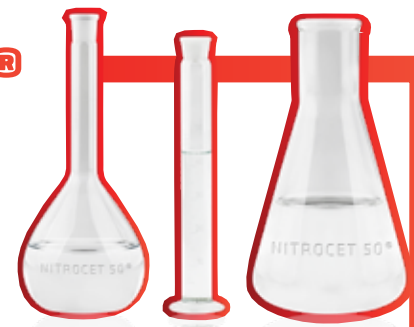
We are constantly developing our manufacturing capabilities – a state-of-the-art production line for NITROCET 50® (2-EHN) was launched in 2019 at NITROERG S.A. (Krupski Młyn). As a result, the production capacity has significantly been increased, boosting the process safety.



New production plant dedicated to NITROCET 50® is the most modern one in Europe and one of the most innovative such facilities in the world. The quality of the product as well as the economic and ecological efficiency (the cleanliness of the production and the reduction of waste) remain at the highest level.

BENEFITS OF USING NITROCET 50®

How addition of NITROERG's 2-EHN will make your product more attractive for your customer (end-user)



NITROCET 50®:

MARKET BENEFITS:

- enables the production of high quality diesel oils recommended by engine manufacturers,
- enables extending the product portfolio with special diesel premium fuels.



TECHNICAL BENEFITS:

- ensures faster ignition with a cold engine,
- has a positive effect on the engine power,
- positively effects the efficiency of diesel fuel combustion,
- maintains the engine and ensures its smooth operation at a lower pressure.



ENVIRONMENTAL BENEFITS:

- reduces toxic exhaust emissions (such as NOx, CO) and noise emissions,
- eliminates carbon deposits on injector nozzles.



DELIVERY CHANNELS OF NITROCET 50®

You will get NITROCET 50® in time, no matter where you run your business!

We are prepared to deliver NITROCET 50® to our customers by:



TRUCK



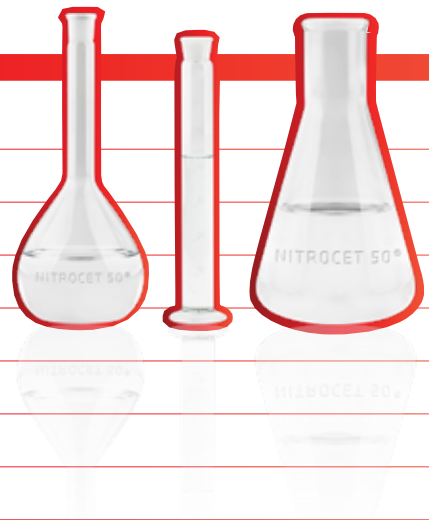
RAIL



SHIP



NOTES



Thank you for viewing this
brief brochure.

If you have any comments
or questions, please contact
us directly.

Commercial Department
and Production Plant of fuel additive:
ul. Zawadzkiego 1
42-693 Krupski Młyn, Poland

NITROCET 50® (2-EHN) – Sales

+48 785 994 487

+48 601 484 469