



PRODUCT DESCRIPTION

NEWCLYN is a next generation bioremediation technology for oil contamination. The microorganisms in NEWCLYN use hydrocarbons from oil as source of food and decompose them into harmless substances: H₂O ir CO₂.

This next generation biotechnology can handle any type of oil pollution: old contaminants, sludge from refineries, polluted soil or water. NEWCLYN is able to decompose light as well as heavy oil hydrocarbons. NEWCLYN technology restores the primary conditions of soil and water and thus achieve the strictest environmental requirements.

CHARACTERISTICS

1	Status	Liquid
2	pH	Neutral
3	Freezing temperature	≤ -2 °C
4	Toxicity	Not classified as dangerous
5	Effective at high concentrations of oil contamination	Yes
6	Name of microorganisms	<i>Acinetobacter calcoaceticus</i>
7	The number of petroleum-degrading organisms CFU/ml	≥ 1,1 * 10⁹

USE

NEWCLYN is suitable for cleaning oil-contaminated soil, soil, water, industrial mud, etc.

The product can be used for both methods of cleaning up: in situ and ex situ.

The product concentrate is diluted with water and sprayed on the contaminated surface. According to the provided schedule, the contaminated area is also continuously aerated and humidified, various substances may be added.

OPERATING MODE

Operating conditions	Best at
Temperature, °C	+5 +40 / +20 +25
Humidity, %	10 – 60 / 20 – 30
pH	5,7 – 8,2 / 7 – 7,2



The product is for professional use only. Due to the proper use of the product, dosing, etc. you need to contact the manufacturer and get an individual product use plan.

RECOMMENDATIONS

Each client and each situation are different. Therefore it is very important to assess the contaminated object correctly and to make a cleaning plan, essential parts of which are:

- **Intensity of use of the preparation.** In most cases the contaminated surface is treated 2 - 4 times a month. The intensity depends mostly on the origin and concentration of pollutants.
- **Maintenance of proper moisture and pH.** Water and suitable pH are required for bacteria to perform.
- **Monitoring of biogenic substances.** In most cases addition of biogenic substances is necessary in cleaning processes if oil product concentration is very high and the addition takes place 3-4 times during the whole treatment period. Usually these procedures constitute for a small part of the cleaning process.
- **Maintenance of oxygen content.** It is recommended to spread the soil with 30-40 cm thickness of the layer and thoroughly mix it 2-4 times per month.

STORAGE

NEWCLYN is ready for final use.

The product concentrate is **frozen at -18 °C**. After thawing must be used within **4 hours**.