



RESEARCH AND PRODUCTION ENTERPRISE
"REMA" LLC

68 Leningradskaia Str., building 9, office 509,
the city of Dnipropetrovsk, Ukraine, 49000
Current account 26007050228418 in PJSC CB «PrivatBank»
in Dnipropetrovsk
MFO (sort code) 305299, General Classifier of Enterprises and
Organizations (OKPO code) 38598979
phone/fax: +38(0562)322 – 200 (multi-channel),
mobile phone: +38 (050)841-00-99
www.rema.dp.ua, e-mail: rema@optima.com.ua

The world is beautiful! If it's safe.

Please, find below a new oil-absorbing sorbent "Ecolan-M" for elimination of environmental pollution with petroleum products without subsequent recycling.

«Ecolan-M» (Technical specifications U 24.6-35780370-001-2009 as of July 7, 2009) is a new modified product of «Ecolan» series designed to clean soils, natural reservoirs, water areas and effluents contaminated with petroleum hydrocarbon and petroleum products.

Petroleum sorbent «Ecolan-M» was developed by the Institute of Microbiology and Virology of the National Academy of Sciences of Ukraine in accordance with the provisions of the Law of Ukraine “On Protection of Population and Territories from Natural and Man-Made Emergency Situations” and the Resolution of the Cabinet of Ministers of Ukraine No.308 as of March 29, 2001 on “Procedure for Creation and Use of Material Reserves for Prevention and Elimination of Natural and Man-Made Emergency Situations and Their Consequences”.

«Ecolan-M» has a number of advantages compared with the most famous in Ukraine products for cleaning oil-polluted environment. Specially selected **high-efficient compositions of microbial strains (four types!)** with high ability to synthesize surfactants allow the product to destruct both water-soluble and water-insoluble oil components.

1g of sorbent contains ONE HUNDRED million bacteria-destroyers of the petroleum products!

Microorganisms that are contained in the product are capable of growing and destructing hydrocarbons in a wide range of mineralization of environment (0.05-7.0%), temperature (+10 - +40°C) and pH (4.5-9.0). They absorb a wide spectrum of hydrocarbons (crude oil, mineral oils, diesel and jet fuel, gasoline, kerosene and other petroleum products), the end products after decomposition of hydrocarbons are environmentally neutral compounds that do not have adverse effects on the ecosystem.

Upon completion of the cleansing process the biomass of product microorganisms that were induced and reproduced in a polluted environment dies and turns into organic substances that facilitate development of natural microbial flora and restoration of the ecosystem.

Production of «Ecolan-M» is carried out on the carbohydrate substrate, which allows getting bacteria adapted to the actual conditions of contamination. **Pre-activation of the product prior to its application is not required.**

Upon sorbent treatment there is no need for collection of hazardous waste from the place of pollution and its special disposal.

Ecolan-M is environmentally friendly, made of plant raw material, contains no pathogenic microorganisms and meets all requirements of the applicable health legislation of Ukraine, which is confirmed by the conclusion of the State Sanitary-Epidemiological Expertise No.05.03.02-04/82678 by the Ministry of Health of Ukraine as of December 21, 2009.

Videos of tests can be found on the Company's Website:
www.rema.dp.ua

Best Regards, Director of RPE "REMA" LLC

V.V. Gulin

