



PROCON
ENVIRONMENTAL TECHNOLOGIES (PTY) LTD

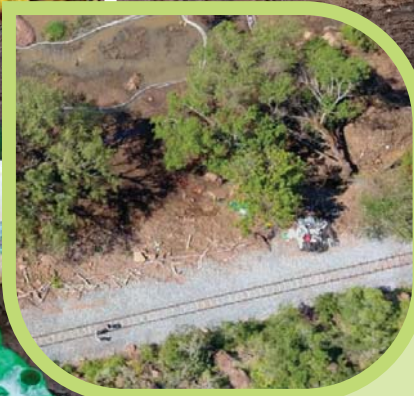
MX-80 HYDROCARBON REMIEDIATOR

MX-80 Hydrocarbon Remediator is a complex blend of proprietary chemistry and remediation additives, offering rapid reductions of a broad spectrum of organic pollutants, with the combined benefits of the rapid reaction rate of chemistry, combined with the security of long-term microbial remediation. All-encompassing in situ remediation cutting labour, transport and disposal fees.

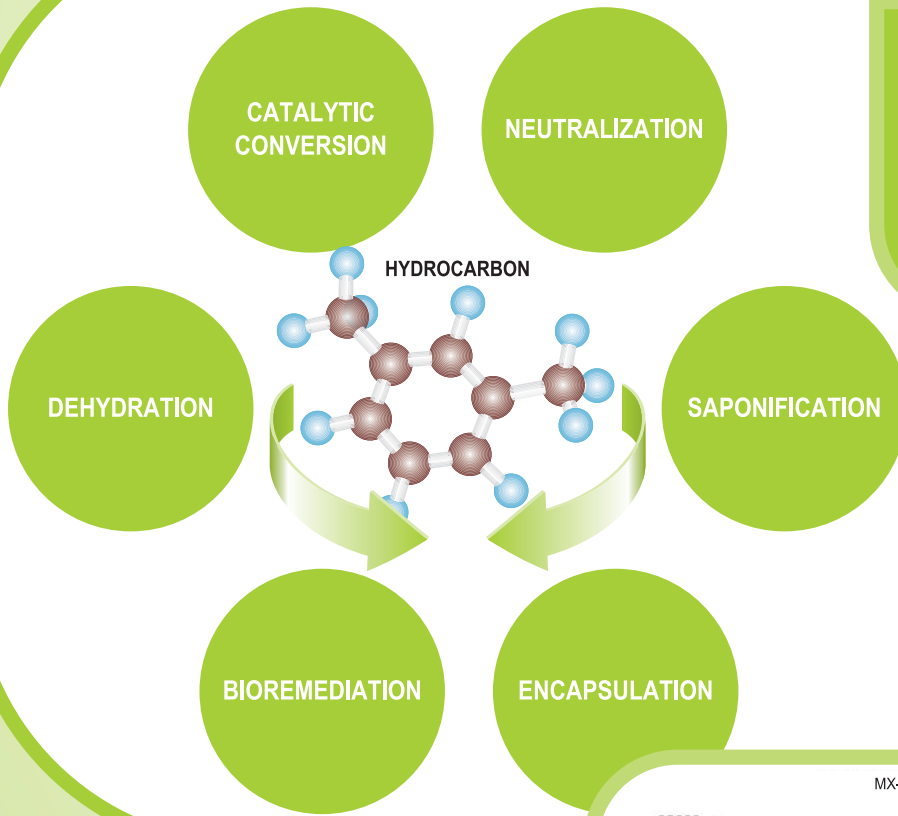
When applied to contaminated soil, a nominal reaction time renders the contaminant irreversibly altered and the contaminant now no longer possesses its chemical fingerprint. The conversion and encapsulation process results in harmless reaction products such as organo-silicates. These organo-silicates are then consumed by the microbes contained in the **MX-80** product, resulting in a total elimination of the Hydrocarbon pollutant.

MX-80 contains a unique blend of different microbe strains used to effectively degrade both aromatic and aliphatic hydrocarbons. These reinforce or augment the natural biological process; thus a full bioremediation approach is achieved when using **MX-80**.

MX-80 Hydrocarbon Remediator conforms to non-hazardous substances defined under the Clean Water Act, RCRA, the Clean Air Act, and TSCA. It is not a carcinogen and is not listed on OSHA, IARC, or NTP Monograms. It also passes the 48-hour Acute Toxicity Bioassay at 12.5% concentration for both fathead minnow and *Daphnia pulex*.



MX-80 REMEDIATION CYCLE



BENEFITS:

- Non-Toxic
- Water soluble
- Non-flammable
- Biodegradable
- Enhances plant growth

USES OR APPLICATIONS:

- Soil remediation
- Oil & Hydrocarbon spills
- Cleaning of intertidal zones
- River and waterbody remediation
- Odour control
- Pesticides
- Heavy Metals

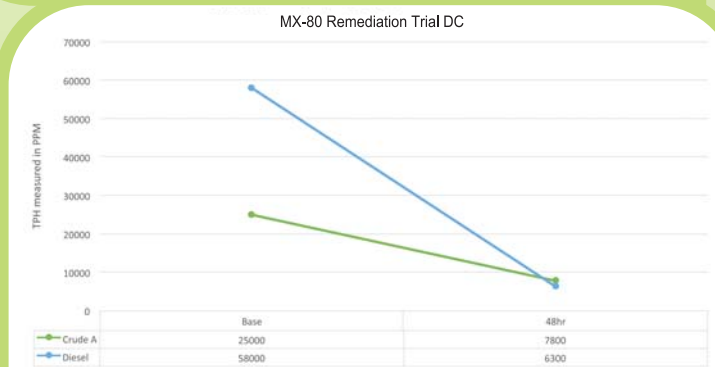
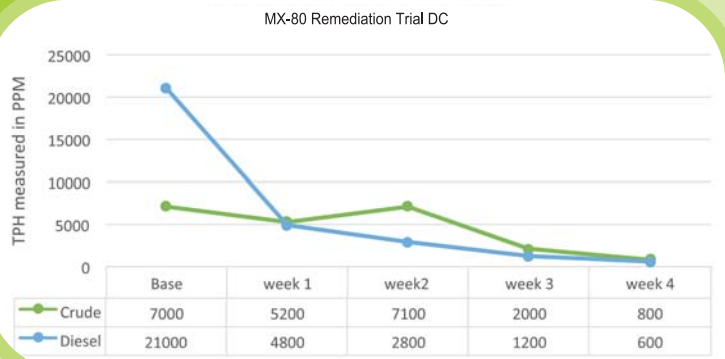
USES & METHOD

SOIL REMEDIATION

- It is always advisable to take soil samples to determine soil type, degree of contamination and depth of contamination.
- Once the TPH has been determined, additional soil samples dosed with **MX-80** at various ratios to be tested at various intervals 72 hours, 1 week, 2 weeks will indicate the optimum time/cost method.
- As a rule of thumb, the area should be saturated with a 50/50 mixture of **MX-80** and water. A dosage rate of 5-7 litres per 1 metre² of soil at a 50/50 ratio can be used as a guide for contaminations lower than 25000ppm.
- Shake or mix the **MX-80** especially when the product has been in storage for long periods or when temperatures drop below 5°C.
- MX-80** can be sprayed, poured, or injected depending on depth of contaminant and soil type.
- Ensure correct PPE is used at all times.
- Where the contaminant is on or near the surface, the soil can be sprayed at the desired rate, raked, turned manually or mechanically, and sprayed again.
- Allow 24 hours to react and then lightly water to assist with the silicates freedom of movement in making contact with the pollutant.
- Repeat the process after 24 hours.
- Regular sampling as per lab analysis will ensure targets are being achieved.
- In areas of deep contamination and injection is required, it is advisable to contact a reputable spill clean-up company for application.



PROCON also supply the absorbents that are used in conjunction with the MX Range. Please see absorbent brochure.



48 HOUR REDUCTION RATE: Crude Oil reduced by 70% / Diesel reduced by 90%
1 WEEK REDUCTION RATE: Crude Oil reduced by 76% / Diesel reduced by 98%.

Solving environmental challenges with world class technology

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