



# Natural Bioremediation Product Guide

To accelerate natural processes in the bioremediation and clean-up of oil, hydrocarbons, organic and halogenated solvent pollution

## GLOBAL ADVANTECH'S NATURAL BIOREMEDIATION AGENTS

Product	Code	Pollutants	Applications - land	Applications - water
<b>NATURAL BIOREMEDIATION AGENT</b>	<b>BR900</b>	Hydrocarbons Organic solvents	Sensitive environments ➤ <i>Non-foaming</i> <i>In situ: injection, spray</i> <i>Ex situ: spray</i>	Sensitive environments <i>In situ: spray</i>
<b>NATURAL BIOREMEDIATION AGENT</b>	<b>BR912</b>	Mineral oils and greases Plant oils and greases Hydrocarbons Polyaromatic hydrocarbons Organic solvents	Soil, construction materials, industrial premises, transport facilities, including car parks, railway track, airports, fuel depots, ports, etc. <i>In situ: injection, spray</i> <i>Ex situ: spray, soil washing</i>	Hydrocarbon films on surface water <i>In situ: spray</i>
<b>NATURAL BIOREMEDIATION AGENT</b>	<b>BR913</b>	Mineral oils and greases Plant oils and greases Hydrocarbons Polyaromatic hydrocarbons Organic solvents	Soil, construction materials, industrial premises, transport facilities, including car parks, railway track, airports, fuel depots, ports, etc. ➤ <i>Non-foaming</i> <i>In situ: injection, spray</i> <i>Ex situ: spray, soil washing</i>	Hydrocarbon films on surface water <i>In situ: spray</i>
<b>NATURAL BIOREMEDIATION AGENT</b>	<b>BR914</b>	Mineral oils and greases Plant oils and greases Hydrocarbons Polyaromatic hydrocarbons Phenols Organic solvents	Low organic content soil, sand, construction materials, industrial premises, transport facilities, including car parks, railway track, airports, fuel depots, ports, etc. ➤ <i>To correct basic nutrient deficiencies</i> <i>In situ: injection, spray</i> <i>Ex situ: spray, soil washing</i>	
<b>NATURAL BIOREMEDIATION AGENT</b>	<b>BR915</b>	Mineral oils Plant oils Hydrocarbons Polyaromatic hydrocarbons Phenols Organic solvents	Low organic content soil, sand, construction materials, industrial premises, transport facilities, including car parks, railway track, airports, fuel depots, ports, etc. ➤ <i>To correct basic nutrient deficiencies</i> ➤ <i>Non-foaming</i> <i>In situ: injection, spray</i> <i>Ex situ: spray, soil washing</i>	
<b>NATURAL BIOREMEDIATION AGENT</b>	<b>BR920</b>	Chlorinated and/or other halogenated hydrocarbons	Soil, construction materials, industrial premises, etc. <i>In situ: injection, spray</i> <i>Ex situ: spray, soil washing</i>	Hydrocarbon films on surface water + halogenated hydrocarbons in bottom sediment <i>In situ: spray</i>
<b>NATURAL BIOREMEDIATION AGENT</b>	<b>BR921</b>	Chlorinated and/or other halogenated hydrocarbons	Soil, construction materials, industrial premises, etc. ➤ <i>Non-foaming</i> <i>In situ: injection, spray</i> <i>Ex situ: spray, soil washing</i>	Hydrocarbon films on surface water + halogenated hydrocarbons in bottom sediment <i>In situ: spray</i>
<b>NATURAL BIOREMEDIATION AGENT</b>	<b>BR925</b>	Plant oils Hydrocarbons Polyaromatic hydrocarbons Phenols Organic solvents	Sensitive environments – low organic content soil, sand ➤ <i>To correct basic nutrient deficiencies</i> ➤ <i>Non-foaming</i> <i>In situ: injection, spray</i> <i>Ex situ: spray, soil washing</i>	Aquifers, water storage, etc. <i>In situ: injection</i>



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<b>NATURAL BIOREMEDIATION AGENT</b>	<b>BR926</b>	Chlorinated and/or other halogenated hydrocarbons	Sensitive environments low organic content soil, sand >To correct basic nutrient deficiencies >Non-foaming <i>In situ: injection, spray</i> <i>Ex situ: spray, soil washing</i>	Aquifers, water storage, etc. <i>In situ: injection</i>

## BIOREMEDIATION NUTRIENTS

Product	Code	Pollutants	Applications - land	Applications - water
<b>BIOREMEDIATION NUTRIENT</b>	<b>BR930</b>	Mineral oils and greases Plant oils and greases Hydrocarbons Polyaromatic hydrocarbons Organic solvents	Low organic content soil, sand, construction materials, industrial premises, transport facilities, including car parks, railway track, airports, fuel depots, ports, etc. >To correct basic nutrient deficiencies >Non-foaming <i>In situ: injection, spray</i>	Aquifers, water storage, etc. <i>In situ: injection</i>
<b>BIOREMEDIATION NUTRIENT</b>	<b>BR931</b>	Mineral oils and greases Plant oils and greases Hydrocarbons Polyaromatic hydrocarbons Organic solvents	Concrete >To correct basic nutrient deficiencies >Non-foaming <i>In situ: spray</i>	
<b>BIOREMEDIATION NUTRIENT</b>	<b>BR932</b>	Mineral oils and greases Plant oils and greases Hydrocarbons Polyaromatic hydrocarbons Organic solvents	Low organic content soil, sand, construction materials, industrial premises, transport facilities, including car parks, railway track, airports, fuel depots, ports, etc. >To correct basic nutrient and other trace element deficiencies >Non-foaming <i>In situ :injection, spray</i>	Aquifers, water storage, etc. <i>In situ: injection</i>

## ANCILLARY BIOREMEDIATION PRODUCTS

Product	Code	Pollutants	Applications - land	Applications - water
<b>BIOREMEDIATION ADJUVANT</b>	<b>BR940</b>	Mineral oils and greases Plant oils and greases Hydrocarbons	Soil, construction materials, industrial premises, transport facilities, including car parks, railway track, airports, fuel depots, ports, etc. > Non-foaming <i>In situ: injection, spray</i> <i>Ex situ: spray, soil washing</i>	Hydrocarbon films on surface water <i>In situ: spray</i>
<b>BIOREMEDIATION ADJUVANT</b>	<b>BR941</b>	Mineral oils and greases Plant oils and greases Hydrocarbons	Soil, construction materials, industrial premises, transport facilities, including car parks, railway track, airports, fuel depots, ports, etc. >Non-foaming <i>In situ: injection, spray</i> <i>Ex situ: spray, soil washing</i>	Hydrocarbon films on surface water <i>In situ: spray</i>

### Global Advantech Limited



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Product	Code	Pollutants	Applications - land	Applications - water
<b>BIOREMEDIATION ELECTRON DONOR</b>	<b>BR945</b>		Soil, construction materials, industrial premises, sensitive environments, etc. >Non-foaming <i>In situ: injection, spray</i> <i>Ex situ: spray, soil washing</i>	Aquifers, water storage, etc <i>In situ: injection</i>
<b>PEROXIDE-FREE OXYGEN SOURCE</b>	<b>BR946</b>	Mineral oils and greases Plant oils and greases Hydrocarbons Polyaromatic hydrocarbons Organic solvents Chlorinated and/or other halogenated hydrocarbons	Soil, construction materials, industrial premises, transport facilities, including car parks, railway track, airports, fuel depots, ports, etc. >For use where conditions are waterlogged and/or anaerobic <i>In situ: injection, spray</i> <i>Ex situ: spray</i>	Aquifers, water storage, etc Surface water with anaerobic sediments <i>In situ: injection, spray</i>

## PRE-BIOREMEDIATION CLEANING AND DEGREASING

Product	Code	Pollutants	Applications - land	Applications - water
<b>PRE-BIOREMEDIATION DEGREASER</b>	<b>DC770</b>	Mineral oils and greases Plant oils and greases Hydrocarbons Organic solvents	Construction materials, industrial premises, transport facilities, including car parks, railway track, airports, fuel depots, ports, etc. <i>In situ : cleaning machine, spray</i>	
<b>HEAVY DUTY PRE-BIOREMEDIATION DEGREASER</b>	<b>DC771</b>	Mineral oils and greases Plant oils and greases Hydrocarbons Organic solvent	Construction materials, industrial premises, transport facilities, including car parks, railway track, airports, fuel depots, ports, etc. <i>In situ: cleaning machine, spray</i>	