

Bacteria cultures <sup>1)</sup>	Solvents	Water-based	Tarmac / asphalt surfaces	Concrete surfaces	Plastic and other surfaces	"Fresh" oil	"Old" oil	Dilution	pH value	Concentration	What kind of oil?
X		X		X			X		7-7,5	100%	Fuel, diesel, heating oil, engine oil, gearbox oil, hydraulic oil, synthetic oils etc.

**Specification:** OT8 is a biological oil stain remover. The aqueous cleaning suspension is a blend of bacteria cultures, nutrients, organic solvents and surfactants. OT8 is particularly of use when oil has soaked into the surface and the oil stain is old and ingrained. OT8 removes oil stains from concrete surfaces effectively like industrial floors, road surfaces (no asphalt!), factory depots, garage floors, car parks, driveways etc. OT8 is a unique biological product. It contains biodegradable surfactants to release oil stains from even the most porous surfaces. Enzymes and bacteria degrade the oil contamination biologically and ecologically and they oxidise the hydrocarbon compounds into water (H2O) and carbon dioxide (CO2). The speed of this digestion process is dependent on many different conditions. Temperature, humidity and oxygen are the most important ones. At an ambient temperature of approx. 15°C the complete digestion process of the hydrocarbon normally takes 4-6 weeks. For every 10°C above or below this guide temperature the speed of digestion increases or decreases by approx. 50%. However, the working temperature should not be higher than 40°C, otherwise the bacteria will be killed. At temperatures lower than 4°C the bacteria "sleep", but at higher temperatures they "awake" again. Depending on underground porosity, the bacteria will be absorbed by the floor and they will continue to digest the oil there. Through this digestion process even deeply ingrained oil comes to the surface. This oil will be digested too. For routine subsequent cleaning we recommend Forecourt Bio. . Note: OT8 meets pr EN858 definition of being separator friendly when used at 4% or less. Due to the citrus oils contained in OT8, this product is not suitable for use on asphalt or tarmac surfaces. Here Bio TA, asphalt and tarmac cleaner, offers outstanding results.

**Application:** Shake the container thoroughly before use to put the bacteria into suspension. Water wet the contaminated surface. Apply OT8 evenly according to size of the contaminated surface. Work intensively with a commercial scrubbing brush (depending on the possible application, technical equipment - like pressure cleaner, steam cleaner or other cleaning equipment as well as the addition of warm water - can improve and accelerate the cleaning result). In case of heavy contamination an application time of at least 20-30 minutes is required to achieve a visible cleanliness. During the application the contaminated surface must be kept wet with water and scrubbed with a brush. This avoids that the loosened hydrocarbons settle on the floor again. Depending on size and intensity of the oil contamination as well as on porosity of the floor, a reapplication of OT8 could be required. After having completed the application, rinse off the cleaned surface with excess of water and absorb the contaminated water with conventional products or pick it up with technical equipment.

**1 ) Annotation to the bacteria cultures:** The effectiveness of the bacteria depends on many different factors. Due to the biological property of the bacteria, conditions like sufficient oxygen, nearly neutral pH value, adequate temperature, sufficient humidity and appropriate nutrients (for example: oil) are important conditions for an uninterrupted biological digestion process. Following chemical substances have a toxic effect on bacteria cultures: disinfectants, bactericides (bacteria-killing chemical agents), acids, alkalis etc. - generally all substances which have harmful effects on man too. Other application conditions negatively affect the work of the bacteria: insufficient oxygen, strong UV radiation, radioactive radiation, lead and other heavy metals - which, in a certain occurrence, are also harmful to man.