

Ecological Information



IR 47 Indumaster[®] Offensive

Water-dilutable industrial cleaner

Ingredients: <5% nonionic surfactants, < 5% phosphates, contains perfumes. Other ingredients: alkalis, water-soluble solvents, auxiliary agents, colouring.

Ecolabel	Percentage of readily biodegradable components according to OECD 301 or REGULATION on detergents	Theoretical oxygen demand	Phosphorus content (calculated as elemental phosphorus)
	98.6 %	470 mg / g	9.6 mg / g

Environmental impacts of the product are predominantly due to its alkalinity and its content of surfactants, which are toxic to aquatic organisms. After sewage neutralisation the alkalinity is no longer relevant, while the surfactants, together with most of the other organic components, are largely degraded during the usual process time of sewage in treatment plants. Remnants eventually released into natural waters are immediately subject to further degradation processes and will soon disappear from the environment.

Non-readily biodegradable components consist practically exclusively of fragrances (etheric oils), which according to their function in nature are only slowly biodegraded.

The release of phosphates into the environment depends on the equipment of the particular sewage treatment plant. Possible eutrophication effects should be considered in relation to the total phosphorus load of the sewage.