# PROMOCLEAN™ TP 1113

INVENTEC PERFORMANCE CHEMICALS

GREENWAY

**ALL METALS OILS DEGREASING AND ELIMINATION OF POLISHING COMPOUNDS.**
**COMPATIBILITY WITH ALL METALS**
**CAN BE RE-USE AFTER FILTRATION**

## BENEFITS

| | |
|---|---|
| PERFORMANCE & RELIABILITY | • Clean fragile metals as aluminium, brass thanks to the low alkalinity<br>• Easy cleaning of parts with complex geometry thanks to a high penetrating power<br>• Excellent rinsing capacities |
| COST | • High cleaning efficiency at low concentration<br>• Can be re-use after filtration (1 to 3 times depending on the application). |

**GREENWAY™,** a new corporate identity and a real opportunity of « green growth » for our customers.

Created by Inventec our experts measure key parameters of our products and services, we target to improve 33% of those parameters without degrading any other. When this is achieved the products is label **GREENWAY™** and certified by **Bureau Veritas.**

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|---|---|
| ENVIRONMENT | • **Greenway™** compliant :<br>✓ ***No Toxic***<br>✓ ***Ecotoxicity (aquatic toxicity) reduction***<br>✓ ***Decrease in chemical oxygen demand (mgO2/L)***<br><br>✓Highly biodegradable it may easily disposed of after treatment |

## PHYSICOCHEMICAL DATA

| SPECIFICATIONS | VALUES | METHODS |
|---|---|---|
| Appearance | Yellow | Visual |
| Density at 20°C | 1,07 ± 0,01 | MO 0810 |
| pH of pure product | 12,0 ± 0,5 | MO 0710 |
| pH at 1% | 10,5 ± 0,5 | MO 0710 |
| **CHARACTERISTICS** | **VALUES** | **METHODS** |
| Surface tension at 1% ( dynes/cm) | 28 | Laboratory |
| Solubility in water | Total | |

## PROCESS PARAMETERS*

| | |
|---|---|
| CLEANING | **Method** : immersion with ultrasounds<br>**Concentration** : 1 to 5%<br>**Temperature** : 55 to 60 °C |
| RINSING | Can be rinsed with clean water or DI. |
| DRYING | Dry with compressed or hot air. |
| OBSERVATIONS | • The product is used to prepare surfaces before drying chlorinated solvents, fluorocarbons, hot air or nitrogen.<br>• In the case of oil cleaning, provide an oil separator on the cleaning equipment.<br>• For simple control bath, periodic additions of product that will allow a longer life of the bath can be considered. |

*The parameters will depend on such factors as operating conditions, cleaning time and the nature of contaminants

A PCA Kit is available for sale to monitor the bath by colorimetric titration.

INVENTEC assists you in the study of the compatibility of pollutants with the product and in the process definition adapted to your need.

## PACKAGING TYPE

| Ref. | Capacity |
|---|---|
| 12568 | 5 kg |
| 12566 | 20 kg |
| 12567 | 210 kg |

## STORAGE & VALIDITY

Store in closed container.
Storage life: 18 months.

## HSE

**PROMOCLEAN™ TP 1113 Greenway** contains no hazardous product. Its pH undiluted product is 12.0.

**PROMOCLEAN™ TP 1113 Greenway** is biodegradable according to regulation 648/2004 but must be neutralized and filtered before disposal in sewer system, in accordance with local regulations.

Neutralization method available on request.

Provide gloves and suitable safety glasses when handling.
Comply with the MSDS for use of the product.

*This data is based on information that the manufacturer believe to be reliable and offered in good faith. In no event will INVENTEC be responsible for special, incidental and consequential damages. The user is responsible to the Administrative Authorities (regulations for the protection of the Environment) for the conformity of his installation.*



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