GEISS® PER CPS

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Perchloroethylene high stabilised, Tetrachloroethylene

GEISS® PER CPS (Perchloroethylene high stabilised / CPS-stabilised, Tetrachloroethylene) is a chlorinated hydrocarbon solvent for surface cleaning.

GEISS® PER CPS does not have a flash point.

GEISS® PER CPS is a non-polar solvent and particularly suited for cleaning of parts and surfaces with non-polar impurities. The solubility of polar substances is very low.

Thanks to the almost infinite distillation capability of perchloroethylene, a closed loop can be permanently applied. In comparison to the production of fresh products, up to 90 % of CO_2 can be saved.

1. PHYSICAL AND CHEMICAL PRODUCT PROPERTIES

Properties	liquid / colourless / characteristic
Boiling point	121 °C
Density (at 20 °C)	1,62 g/cm³
Decomposition temperature	> 150 °C
Vapour pressure at 20 °C	18 - 19 hPa
Heat capacity	0,90 kJ/kg*K
Evaporation number (ether = 1)	9,5

2. APPLICATION RANGE

- Particularly suitable for cleaning of various types of metal
- Particularly for non-polar impurities
- Cleaning of all shapes (e.g. parts with cavities, close clearances, very fine openings)

3. CHECKING AND CARE OF SOLVENTS

- Various laboratory services in the company-internal laboratory (e.g. oil compatibility tests, service analyses)
- Test kits for solvent checking:
  - o **GEISS® Three-Step-Test-Kit** (Determination of the reserve alkalinity and acid acceptance)
  - o **GEISS® PER Density Test** (Determination of dissolved impurities in perchloroethylene / determination of the concentration of anti-corrosion protection oil in perchloroethylene)
- Stabilisers for solvent care:
  - o **PROSTAB 7** (to increase the total acid acceptance)
  - o **PROSTAB CPS** (to increase the total acid acceptance)
  - o **PROSTAB 8** (to increase the alkalinity / pH value)
  - o **VAKUSTAB 8** (increasing the pH value)

4. SAFETY RECOMMENDATIONS

- The safety data sheets must be generally observed.
- Please always observe the instructions of the system manufacturer.

5. CONTACT

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