

PERCHOROETHYLENE CATALYST GRADE

PDS-2960-0002

Some applications of this product may be regulated or restricted by national or international standards (e.g. for food additives, water treatment, the pharmaceutical industry, etc). The buyer and the eventual user, in his sole and entire liability, shall respect those standards, orders of any relevant authority, and all existing patents and intellectual properties rights; and shall comply with the laws and the regulations applicable to our products and/or to his activity. The buyer and the eventual user must independently determine the suitability of this product for any particular purpose and its manner of use. Please contact us for further information on grades developed for a specific end-use.

Product Identification:

CATALYST GRADE is a non-flammable chloriding agent for both isomerisation and reforming catalysts.

Tetrachloroethene, Perchloroethylene	$\text{CCl}_2 = \text{CCl}_2$	ID Number	602-028-00-4
Molecular Mass	165,8	EC Number (EINECS)	204-825-9
CAS Number	127-18-4	UN Number	1897

For further information on product handling, transport, storage and product properties please consult our website:

<http://www.solvaychemicals.com/EN/products/chlorinated/Chlorinatedsolvents/Perchloroethylene.aspx>

Product Specifications:

Characteristic	Unit	Value	Method of analysis ¹
Purity (without Stabilizers)	g/kg	≥ 999	Gas chromatography (MOP 602958)
Colour	APHA	≤ 10	Colorimetry (ASTM D2108)
Appearance		Clear without suspended matter	Visual test (ASTM D3741/B)
Density range (D _{25/25})		≥ 1,617 ≤ 1,621	Oscillating U-tube (ASTM D2111)
Non volatile Residue	mg/kg	≤ 10	Gravimetry (ASTM D2109)
Moisture (H ₂ O)	mg/kg	≤ 25	Karl Fischer (ASTM D3401)
Chlorides (Cl)	mg/kg	≤ 1	Mercurimetry (ASTM D2988)
Free Halogens (Cl ₂)		Conform	Iodometry (ASTM D4755)
Distillation range	°C	≥ 120,6 ≤ 121,6	Distillation (ASTM D1078)
Additive (Stabilizer)	mg/kg	≤ 10	Gas chromatography (MOP 602958)
Organically combined Oxygen and Nitrogen	mg/kg	≤ 15	Gas chromatography (MOP 602958/MOP 603424) Titrimetry/Mercurimetry (MOP 603996)

¹ Gas chromatography standards developed by Solvay are not to be shared with external parties

CATALYST GRADE is approved by UOP for both isomerization and reforming processes.

Production Plant:

Tavaux (France).

Packaging Characteristics and Shelf Life:

Catalyst Grade can be supplied in bulk or in 200 l (330 kg net) metallic drums with or without 1320 kg (net) pallets.

http://www.solvaychemicals.com/Chemicals%20Literature%20Documents/Chlorinated_solvents/DOC-2960-0014-W-EN_WW_.pdf

The recommended shelf life of drummed Catalyst Grade is **two years** from packaging date (printed on each drum).

Please consult us for our Safety Data Sheet.

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