TNJ®
Specialized in chemicals

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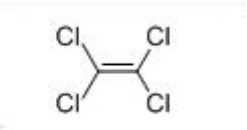
Technical Data Sheet

Basic information

Chemical name	Perchlorethylene	Formula	C2Cl4
Synonyms	PCE;Tetrachloroethylene	Chemical structure	
CAS.No.	127-18-4		
EINECS No.	204-825-9		
Molecular weight	165.83		

Physical properties

Appearance	Colorless transparent liquid
Density,g/cm3	1.625
Boiling point,℃	120-122
Melting point,℃	-22
Flashing Point, ℃	27.4
Refractive index	1.505
Water Solubility, 25℃	0.015 g/100 ml
Solubility	Miscible with alcohol, ether, chloroform, benzene, hexane. It dissolves in most of the fixed and volatile oils.

Specification

Items	**Dry Cleaning Grade**	**Catalyst Grade (Isoform Isomerization Grade)**
Appearance	Colorless transparent liquid	Colorless transparent liquid
Color, Pt-Co	≤15	≤10
Density, ρ 20	1.620 ~ 1.624g/cm3	1.620 ~ 1.628g/cm3
Moisture	≤50ppm	≤30ppm
Non Volatile Matter	≤10ppm	≤10ppm
Stabilizers	-	≤5ppm
Alkalinity as NaOH	≤30ppm	-
PH Value	8.0 ~ 9.0	6.0 ~ 7.5
Oxygen & Nitrogen compounds	-	≤10ppm
Chlorine	-	≤1ppm
Free Chlorine	-	Pass test
Assay	≥99.90%	≥99.99%

Application

- PCE mainly used as organic solvent, dry cleaning agent and metal degreaser as well as anthelmintic.
- PCE used as fatty extracting and the raw material for HCFC-123. CFC-124,CFC-125,HCFC-134a etc.
- PCE is mainly used for the chloride catalyst in the process of oil refining.
- PCE can be applied to all kinds of nature and synthetic fabrics as a dry cleaner, and the fabric will be soft, glossy, odorless, fade proof, in shape and free of damage after being washed.

Package

- 300kg per iron drum, 24mt per 20'ft without pallet

Safety on transportation

It belongs to class 6.1 poisonous dangerous goods, always refer to MSDS.

Storage and handling

Keep tightyl closed, store in a cool dry place.

Please refer to the Materials Safety Data Sheet (MSDS) for the handling methods.

The information above is believed to be accurate and represents the best information currently available to us.However, In no event shall we be liable for any claims, losses, or damages of any third party resulting from its use.

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