



Product Specification

Product Name: TRICHLOROETHYLENE LR

Alternate Name(s)

Description

Colourless liquid; ethereal, sweet, chloroform-like odour; hygroscopic.

Properties

Chemical Formula: $\text{Cl}_2\text{C}:\text{CHCl}$

Molecular Weight: 131.39

Product Code: TL039

CAS No. 79-01-6

General Information:

Soluble in all proportions in ethanol, acetone, diethyl ether, chloroform, fixed and volatile oils, and most common organic solvents; slightly soluble in water. Incompatible with high temperatures, strong bases, depletion of stabilizers.

Hazard and Safety Data

UN Group: III
Class: 6.1
UN Number: 1710
Hazchem code: 2Z
CS MSDS Code: 1CH83
Poison schedule: S6
Emergency
Procedure Guide No.: 37

Quality Specification

Assay: 99.0% min.

Specific Properties and Impurities [Typical levels]:

Specific gravity (20 °C/ 20 °C)	1.464
Boiling point	87°C
Water content	≤ 0.01 %
Colour (HAZEN)	≤ 15
Acidity (as HCl)	≤ 0.001 %
Alkalinity (as NaOH)	≤ 0.025 %
Nonvolatile matter	≤ 0.005 %
Free chlorine	Passes test
pH	9.0 - 11.0
Accelerated oxidation test (Acidity as HCl)	≤ 0.02 %
Distillation test	
Initial boiling point	≥ 85.5°C
95V/V% distilling temp.	≤ 88.5°C
Dry point	≤ 91.0°C

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