

TRICHLOROETHYLENE

CAS Number: 79-01-6

Other Names: 1,1,2-Trichloroethene; 1,1-Dichloro-2-Chloroethylene;
1-Chloro-2,2-Dichloroethylene; Acetylene Trichloride; TCE;
Trethylene; Triclene; Trimar; Trilene

Formula: C_2HCl_3

PRODUCT INTRODUCTION

Trichloroethylene is a synthetic, light sensitive, volatile, colorless, liquid that is miscible with many non-polar organic solvents. It has chloroform-like odor and is slightly soluble in water. It is used as a solvent, fumigant, in the manufacture of other chemicals, and for many other uses.

PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Transparent Liquid without suspended solids and sediments
Purity	99.80 %
Color (Pt-Co)	10
Density	1.464 g/cm ³
Distillation Test	-
Initial Distilling Temperature	86.8 °C
Completely Distilled Temperature	87.6 °C
95 % Distilled Temperature	86.6 °C
Non-Volatile Matter	0.0020 %
Acidity (Counted by HCl)	-
Alkalinity as NaOH	0.0005 %
pH	9.08
Water Content	0.0037 %
Acidity after Oxidation	-

APPLICATIONS

- The main use of trichloroethylene is in the vapor degreasing of metal parts.
- Trichloroethylene is also used as an extraction solvent for greases, oils, fats, waxes, and tars

- It also acts as a chemical intermediate in the production of other chemicals, and as a refrigerant.
- Trichloroethylene is used in consumer products such as typewriter correction fluids, paint removers/strippers, adhesives, spot removers, and rug-cleaning fluids.
- Trichloroethylene was used in the past as a general anesthetic.

PACKAGING OPTIONS

Drums
