

CHLOROFORM

Cas Number: 67-66-3

Other Names: Trichloromethane, Formyl trichloride, Methane,
trichloro-Trichloroform, Methane trichloride

Formula: CHCl_3

PRODUCT INTRODUCTION

Chloroform is an organic compound with formula CHCl_3 . It is a one-carbon compound that is methane in which three of the hydrogen is replaced by chlorines. Chloroform appears as a clear colorless liquid with a characteristic odor. Denser than water and slightly soluble in water. Nonflammable under most conditions, but burns under extreme conditions. Formerly used as an inhaled anesthetic during surgery.

PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Colorless transparent liquid without mechanical impurities
Purity, % min	99.99
Density at 20°C, g/cm^3 , min, in ranges	1.490
Water Content, % max	0.003
Organochlorous impurities content, %,max	0.011
Non-Volatile residue content, % max	0.00021
Acids content at per HCl, % max	0.00013
Aldehydes as per acetic aldehyde. %max	Less 0.0001

APPLICATIONS

- Chloroform is used primarily in the manufacture of HCFC-22, monochlorodifluoromethane , a refrigerant and as a raw material for polytetrafluoroethylene plastics
- Chloroform is still used to a limited extent as an extractant for pharmaceutical products. Due to its toxicological properties, its use as an inhalatory anesthetic is no longer significant. Small amounts are employed in the synthesis of orthoformic esters.
- Solvent for fats, oils, rubber, alkaloids, waxes, gutta-percha, resins; as cleansing agent; in fire extinguishers to lower the freezing temp of carbon tetrachloride; in the rubber industry are also common uses of chloroform.

PACKAGING OPTIONS

Drums
