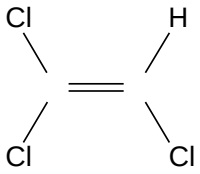
Technical Data Sheets

TRICHLOROETHYLENE

Refer to the Safety Data Sheet (SDS) for addition l information and before handling this material.

CAS Number: 79-01-6
Synonyms: 1,1,2-trichloroethylene, ethylene trichloride, trichlor, TCE
Chemical Formula: C_2HCl_3
Molecular Weight: 131.40
Chemical Structure:



Description: Trichloroethylene is a clear, colorless liquid at room temperatures. It is volatile, has a sweet odor, and is completely miscible with most organic liquids.

Physical and Chemical Properties

Trichloroethylene is a chlorinated 2-carbon solvent. It is a suitable solvent for organic compounds that do not dissolve well in hydrocarbons, polar solvents, and many organic materials. Chlorinated hydrocarbons tend to decompose when exposed to light, heat, oxygen, or water. This decomposition process is accelerated by the presence of metals and metal salts, and the presence of the decomposed solvent itself tends to catalyze further decomposition. To maximize stability, Axiall stabilizes trichloroethylene solvents prior to shipment.

Properties of Trichloroethylene	
Boiling Point	188.4°F (86.9°C)
Freezing Point	-123.5°F (-86.4°C)
Auto-ignition temperature	788°F (420°C)
Specific Gravity at 20°C	1.465
Vapor Pressure at 20°C	57.8 mm Hg
Density at 20°C	12.2 lbs/gal

Regulatory Information

The trichloroethylene Safety Data Sheet contains regulatory information, including Chemical Inventory Status, California Proposition 65 status, and Transportation Classifications. The following is additional regulatory information.