

Tetrachloroethylene

Chlorinated industrial solvent for compatible closed-process cleaning and chemical applications.

CAS No. 127-18-4	EC / List No. 204-825-9	Transport Class 6.1 — Toxic
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Product Information

Tetrachloroethylene is a chlorinated solvent with formula C₂Cl₄ and molecular weight 165.83 g/mol. It has low water solubility and can mix with many organic solvents. The source technical data identifies a boiling point of 121.2°C and melting point of -23.3°C as reference properties.

Specifications

Parameter	Specification
Appearance	Clear, colorless liquid
Water solubility	Practically insoluble
Organic-solvent response	Readily miscible with compatible organic solvents
Reference boiling point	121.2 °C
Reference melting point	-23.3 °C

Physical-property values are source reference data, not inferred assay limits. No reagent, HPLC or food suitability is assigned to the industrial supply grade.

Typical Properties

Property	Typical Value
Molecular formula	C ₂ Cl ₄
Molecular weight	165.83 g/mol

Applications

Compatible industrial solvent cleaning: Solvent for selected closed-process cleaning systems. Evaluate material compatibility, recovery, emissions and exposure controls against the intended equipment and destination rules.

Chemical processing: Chlorinated solvent component for compatible industrial chemical processes. Assess reaction compatibility, stability, impurity tolerance and downstream solvent recovery.

Specialty industrial formulations: Solvent for qualified industrial formulation development. Confirm substrate compatibility, package compatibility and permitted end use before production.

Packaging / Storage

Item	Information
Packing	210 L galvanized steel drums
Storage	Keep tightly sealed in a cool, ventilated place with controlled access and secondary containment. Protect from sunlight, heat and incompatible acids, alkalis, reactive metals and oxidizers. Use only compatible containers and transfer equipment.
Handling	Use closed solvent transfer and effective vapor extraction. Wear suitable solvent-resistant gloves, eye protection and protective clothing. Avoid skin exposure and inhalation; assess workplace vapor exposure and do not use near welding, hot surfaces or incompatible reactive metals.

Company Contact

Supplier	Hainan Zhongxin Chemical Co., Ltd. (ZXCHEM)
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