



CAS #	EINECS #	Formula
79-01-6	201-167-4	C ₂ HCl ₃

GENERAL DESCRIPTION

Trichloroethylene, also known as TCE, Ethylene Trichloride, or Trichloroethene is a halocarbon with the formula C₂HCl₃. Trichloroethylene is a synthetic, light sensitive, volatile, colorless, liquid that is miscible with many non-polar organic solvents. The main use of trichloroethylene is in the vapor degreasing of metal parts. Trichloroethylene is used in consumer products such as typewriter correction fluids, paint removers/strippers, adhesives, spot removers, inks, and rug-cleaning fluids.

TYPICAL PROPERTIES & SPECIFICATIONS

Description	Result
pH:	9-10 (20-25°C (68-77°F))
Boiling Point Range:	84 - 88°C (183-190°F)
Melting Point/Freezing Point:	-86.8°C / -84.8°C (-68°F / -77°F)
Vapor Pressure:	57.8 mmHg (20°C/68°F)
Relative Vapor Density:	4.5 (20-25°C (68-77°F)) Air=1.0
Relative Density (H ₂ O=1):	1.463 - 1.470 (20°C/68°F)
Partition Coefficient (n-octanol/water):	2.29 - 5
Dynamic Viscosity:	0.55 mPa.s (25°C/77 °F)
Auto-ignition Temperature:	420 °C (788 °F)

Test Description	Lower Limit	Upper Limit
Color (Pt-Co) / Hazen:	0	15
Density, p ₂₀ / (g/cm ³):	1.460	1.470
Trichloroethylene, w/%:	99.30	100
Acidity (HCl), w/%:	0	0.0010
Alkalinity (NaOH), w/%:	0	0.010
Water, w/%:	0	0.008
Evaporation Residue, w/%:	0	0.05
Free Chlorine:	PASS	-
Acidity after Oxidization (HCl), w/%:	0	0.01

Note: Typical Properties & Specifications are for reference purposes only. Actual results may vary.

AVAILABILITY

Available in 4 fl oz, Pint (16 fl oz), Quart (32 fl oz), Gallon (128 fl oz), and 55 Gallon Drum (7040 fl oz).

* FDA has prohibited its use in food, drugs, and cosmetics.

SHELF LIFE

Trichloroethylene has a shelf life of 1 year.

SAFETY INFORMATION

Hazard Statements	Causes skin irritation May cause an allergic skin reaction Causes serious eye irritation May cause respiratory irritation May cause drowsiness or dizziness Suspected of causing genetic defects May cause cancer
Precautionary Statements - Prevention	Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Avoid breathing dust, fume, gas, mist, vapors, or spray. Wash skin thoroughly after handling. Use only outdoors or in a well-ventilated area. Contaminated work clothing must not be allowed out of the workplace. Wear protective gloves, protective clothing, eye protection and face protection. Take off contaminated clothing and wash it before reuse.
Precautionary Statements - Response	IF ON SKIN: Take off immediately all contaminated clothing. Rinse skin with water/shower. If skin irritation or rash occurs: get medical advice/attention. IF INHALED: Remove person to fresh air and keep comfortable for breathing. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention. IF SWALLOWED: Rinse mouth. Do not induce vomiting. Call a POISON CENTER/doctor if you feel unwell.
Storage	Store tightly closed in a cool, well-ventilated place. Store locked up. Store away from sources of ignition.
Disposal	Dispose on contents/container to an approved waste disposal plant. Dispose of in accordance with local, regional, national, and international regulations.

SHIPPING INFORMATION

Proper Shipping Name: Trichloroethylene
UN Number: UN1710
Class or Division: 6.1
Packing Group: III
Label Required: Toxic/Poison (6.1)

Additional Information

This product is considered a hazardous material. Do not handle until all safety precautions have been read and understood. Read the product label & safety data sheet (SDS) for information on proper handling, health risks, firefighting methods, spill procedures, emergency contact information, precautionary information, disposal information & more. Safety data sheets are available at www.casewayproducts.com or by emailing support@casewayproducts.com

FOR PROFESSIONAL USE ONLY. KEEP OUT OF REACH OF CHILDREN

Before using, the user must make their own independent determination that the product is suitable for the intended use and can be used safely and legally.

* The information, suggestions, technical data, and advice provided on this sheet are based on test results, knowledge, and experience believed to be accurate and reliable. However, all information, suggestions, technical data, and advice are not to be considered a warranty and Caseway Industrial Products, Inc. assumes no liability for any direct, indirect punitive, incidental, special consequential damages, to property or life.