



Trichloroethylene

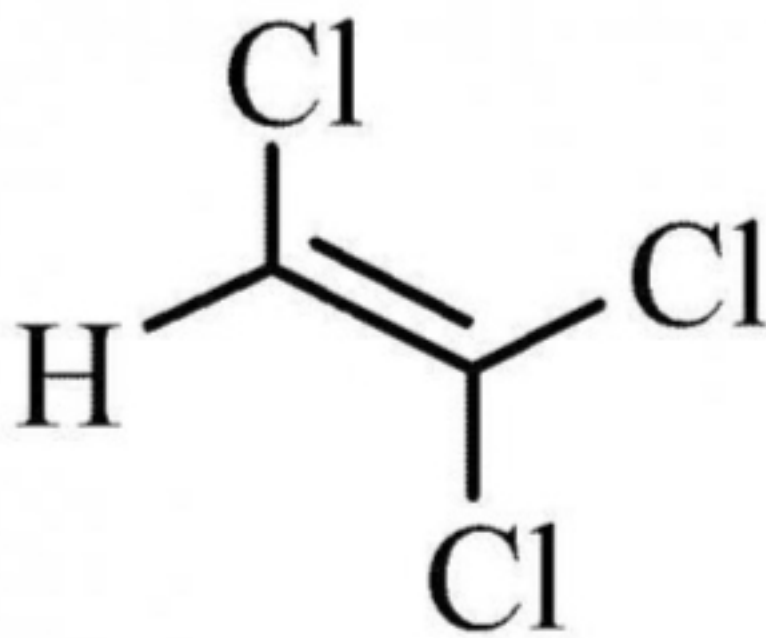


CAS Number

79-01-6

Synonym

TCE, acetylene trichloride; A13-00052; Alglyen; Anameth; Benzinol; Caswell No. 876; Cecolene; Chlorlin; 1-chloro-2,2-dichloroethylene; Densinflat; 1,1-dichloro-2-chloroethylene; ethylene trichloride; fleck-Flip; fleck flip; fluate; germalgene; letherin; narcogen; narkosoid; NCI-C04546; Perm-a-chlor; petzinol; philex; threthylen; threthylyene; TRI; triasol; trichloran; trichloroethylene; trichloroethene; 1,1,2-trichloroethylene; triclene; trielin; trilene; trimar; tri-plus; Vestrol; EPA Pesticide Code: 081202



Occurrence/Use

Metal degreasing, extraction solvent, cleaning kerosene-fueled rocket engines; production of refrigerants; component of tobacco smoke. Formerly used in medicine (inhaled analgesic), film cleaning, dry-cleaning solvent, and fumigant.

Soil Screening

Last CHHSL revision:	1/2005
CHHSL Comments:	For chemical-specific screening levels for use in assessing contaminated sites, please see HHRA Note 3 (DTSC HERO). https://www.dtsc.ca.gov/assessingrisk/humanrisk2.cfm

Cancer Potency Information

Inhalation Unit Risk (µg/cubic meter)-1:	2.0 E-6
Inhalation Slope Factor (mg/kg-day)-1:	7.0 E-3
Oral Slope Factor (mg/kg-day)-1:	5.9 E-3
Comments/References:	<p>OEHHA 2009. Air Toxics Hot Spots Program Technical Support Document for Cancer Potencies, Appendix B. Chemical-specific summaries of the information used to derive unit risk and cancer potency values. Updated 2011.</p> <p>OEHHA 2009. Public Health Goal for Trichloroethylene in Drinking Water.</p> <p>ARB 1990. Proposed Identification of Trichloroethylene as a Toxic Air Contaminant.</p>

Air

Chronic REL

Chronic Inhalation REL (µg/m3):	600
Chronic Target Organs:	Nervous system, eyes
Human Data:	Yes
Last Chronic REL Revision:	2000
Chronic Reference Exposure Levels Comments:	OEHHA 2008. Technical Supporting Document for Noncancer RELs, Appendix D3

Proposition 65

Chemical Status

Cancer:	Currently listed
Reproductive Toxicity:	Currently listed

Cancer

Listed as causing:	Cancer
Date of Listing:	04/01/1988
Basis for Listing:	State's Qualified Experts

Reproductive Toxicity

	Listed as causing:	Developmental Toxicity Male Reproductive Toxicity
Developmental Toxicity		
	Date of Listing:	01/31/2014
	Basis for Listing:	Authoritative Bodies-US Environmental Protection Agency
Male Reproductive Toxicity		
	Date of Listing:	01/31/2014
	Basis for Listing:	Authoritative Bodies-US Environmental Protection Agency

Safe Harbor Levels

Cancer

No Significant Risk Level (NSRL) - Oral:	14 µg/day
No Significant Risk Level (NSRL) - Inhalation:	50 µg/day
Last NSRL/MADL Revision:	2012

Documents, Presentations, and Publications


Cancer: [Initial Statement of Reasons for the NSRL for Trichloroethylene](#)
Mar 16, 2012

Public notices related to this chemical:

- [Request for Relevant Information: Trichloroethylene \(TCE\)](#)
- [Notice of Intent to List: Trichloroethylene](#)
- [Chemical Listed Effective January 31, 2014 as Known to the State of California to Cause Reproductive Toxicity: Trichloroethylene](#)
- [Proposed Amendment To Section 25705 Specific Regulatory Levels Posing No Significant Risk: Trichloroethylene](#)
- [Amendment To Section 25705 Specific Regulatory Levels Posing No Significant Risk: Trichloroethylene](#)

Water

California Public Health Goals Data

Health Risk Category:	Carcinogenicity
Public Health Goal (mg/L):	0.0017
Public Health Goal - Download:	 tcephg070909.pdf
Cancer Risk at PHG:	0.000001
MCL value (mg/L):	0.005
Cancer Risk at MCL:	0.000003
Last PHG Revision :	2009
California PHG Comments:	CA MCL to be reviewed for possible revision. OEHHA 2013. Health Risk Information for Public Health Goal Exceedance Reports