

Substance Details Report

June 1, 2012

Core Metadata

Substance Type Chemical Substance
EPA Registry Name 1,1-Dichloroethylene
EPA Registry Name List Chemical Identification
Systematic Name Ethene, 1,1-dichloro-
Systematic Name List Chemical Abstracts Index Name
Preferred Acronym
CAS Number 75-35-4
EPA Identification Number
TSN Number
Kingdom
ICTVDB
Molecular Formula C2H2Cl2
Molecular Weight 96.94
Comment/Description

Internal Tracking Number 5538
Substance Status Approved

Definition

Classifications

Associated Identifiers

There is no information about former or incorrectly used identifiers.

Structure

Notation
C(=C)(Cl)Cl

Notation Type
SMILES

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Synonym

Below are the EPA applications/systems, statues/regulations, or other sources that track or regulate this substance. This table shows how each list refers to the substance.

Statutes/Regulations

Statutes/Regulations	Synonym	Synonym Quality	Effective Date	End Date
CAA 111	Vinylidene chloride	Unknown	01/05/1981	
CAA 112R	Ethene, 1,1-dichloro-	Valid	01/31/1994	
CAA 112R	Vinylidene chloride	Unknown	01/31/1994	
CAA112(b) HAP	1,1-Dichloroethylene	Valid		
CAA112(b) HAP	Vinylidene chloride	Unknown		
CAA112(b) HON	Vinylidene chloride	Unknown		
CAA112(b) HON	1,1-Dichloroethylene	Valid		
CERCLA	Vinylidene chloride	Unknown		
CERCLA	1,1-Dichloroethylene	Valid		
CERCLA	Ethene, 1,1-dichloro-	Valid		
CWA 304B	1,1-Dichloroethylene	Valid		
CWA 311	1,1-Dichloroethylene	Unknown	02/16/1979	
CWA 311	Vinylidene chloride	Unknown	02/16/1979	
CWA 311	1,1-Dichloroethene	Unknown	02/16/1979	
CWA Priority	1,1-Dichloroethylene	Valid	11/19/1982	
EPCRA 313	Vinylidene chloride	Unknown	01/01/1987	
RCRA Appendix VII	Vinylidene chloride	Unknown	05/19/1980	
RCRA Appendix VII	1,1-Dichloroethylene	Valid	05/19/1980	
RCRA Appendix VIII	1,1-Dichloroethylene	Valid		
RCRA Appendix VIII	Ethene, 1,1-dichloro-	Valid		
RCRA T Char	1,1-Dichloroethylene	Valid	03/29/1990	
RCRA U Waste	Ethene, 1,1-dichloro-	Valid	11/25/1980	
RCRA U Waste	1,1-Dichloroethylene	Valid	11/25/1980	
SARA 110	1,1-Dichloroethene	Unknown	04/17/1987	
SDWA NPDWR	1,1-Dichloroethylene	Valid		
TSCA 4 Tests	1,1-Dichloroethylene	Unknown		02/01/2012
TSCA 4(a) Test Rules	Vinylidene chloride	Unknown		

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Statutes/Regulations	Synonym	Synonym Quality	Effective Date	End Date
TSCA 8A CAIR	Ethene, 1,1-dichloro-	Valid		
TSCA 8A PAIR	Vinylidene chloride	Unknown	08/04/1995	
TSCA 8D HSDR (d)	Vinylidene chloride	Unknown	08/04/1995	08/04/2005
TSCA Inv	Ethene, 1,1-dichloro-	Valid		
TTO	1,1-Dichloroethylene	Valid		

EPA Applications/Systems

EPA Application/System	Synonym	Synonym Quality	Effective Date	End Date
AFS	Vinylidene chloride	Unknown		
AFS	Dichloroethylene, 1,1-	Unknown		
AFS	1,1-Dichloroethylene	Valid		
AQS	1,1-Dichloroethylene	Valid		
CAMEO	Vinylidene chloride, inhibited	Unknown		
CERCLIS3	Vinylidene chloride	Unknown		
CERCLIS3	1,1-DCE	Unknown		
CERCLIS3	1,1-Dichloroethene	Unknown		
CERCLIS3	1,1-Dichloroethylene	Valid		
CORR	1,1-Dichloroethylene	Valid		
CORR	Vinylidene chloride	Unknown		
CORR	Ethene, 1,1-dichloro-	Valid		
ECOTOX	Vinylidene chloride	Unknown		
ECOTOX	1,1-Dichloroethene	Unknown		
ECOTOX	Vinylidene	Truncated		
ECOTOX	1,1-Dichloroethylene	Valid		
ERNS	Vinylidene chloride, inhibited	Unknown		
ERNS	Ethene, 1,1-dichloro-	Valid		
ERNS	1,1-Dichloroethylene	Valid		
GCES	Ethene, 1,1-dichloro-	Valid		

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EPA Application/System	Synonym	Synonym Quality	Effective Date	End Date
HPVC List	Ethylene, 1,1-dichloro-	Unknown		
HPVIS	Ethene, 1,1-dichloro-	Valid		
ICIS	D029	Unknown		
IRIS	1,1-Dichloroethylene	Valid		
MTL96	Ethene, 1,1-dichloro-	Valid		
NEI	1,1-Dichloroethylene	Valid		
NEI	Vinylidene chloride	Unknown		
OPPIN	Vinylidene chloride (as impurity only; no longer cleared as inert)	Unknown		
PCS	1,1-Dichloroethene	Unknown		
PCS	1,1-Dichloroethylene	Valid		
PCS	1,1-Dichloroethylene, dry weight	Unknown		
RMP*Info	Ethene, 1,1-dichloro-	Valid		
RMP*Info	Vinylidene chloride	Unknown		
STORET	Vinylidene chloride	Unknown		
TRIPS	Vinylidene chloride	Unknown		
TSCATS	Ethene, 1,1-dichloro-	Valid		
WQX	1,1-Dichloroethylene	Valid		
eIUR	Ethylene, 1,1-dichloro-	Unknown		
eIUR	Ethene, 1,1-dichloro-	Valid		

Other Sources

Other Sources	Synonym	Synonym Quality	Effective Date	End Date
ATSDR	1,1-Dichloroethene	Unknown		
ATSDR	Ethene, 1,1-dichloro-	Valid		
CA Index	Ethene, 1,1-dichloro-	Valid		
CUS02	Ethene, 1,1-dichloro-	Valid		
CUS86	Ethylene, 1,1-dichloro-	Unknown		

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Other Sources	Synonym	Synonym Quality	Effective Date	End Date
CUS90	Ethylene, 1,1-dichloro-	Unknown		
CUS94	Ethylene, 1,1-dichloro-	Unknown		
CUS98	Ethene, 1,1-dichloro-	Valid		
ChemIDStd	1,1-Dichloroethylene	Valid		
HSDB	1,1-Dichloroethylene	Valid		
IARC	Vinylidene chloride	Unknown		
MTL	Vinylidene chloride	Unknown	01/01/1994	
NJ-RTK-HS	Vinylidene chloride	Unknown		
NTP Chemical Repository	1,1-Dichloroethylene	Valid		
NTP Studies	Vinylidene chloride	Unknown		
SDWIS-Enviro	1,1-Dichloroethylene	Valid		

Ad Hoc List

There are no Synonyms of this type.

EPA Synonyms

There are no Synonyms of this type.

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Component Of

Systematic Name	Synonym	CAS Number	TSN	EPA Identifier	Effective Date	End Date
Waste from the product steam stripper in the production of 1,1,1-trichloroethane.	K029			E741108	05/19/1980	
Heavy ends in vinyl chloride monomer production as defined.	K020			E741017	05/19/1980	
Heavy ends from the distillation of ethylene dichloride in ethylene dichloride production.	K019			E741009	05/19/1980	
Condensed light ends, spent filters and filter aids, and spent desiccant wastes from the production of certain chlorinated aliphatic hydrocarbons, as defined.	F025			E740738	05/19/1980	
Volatile organic compounds	VOCs			E761346		
Process wastes from the production of certain chlorinated aliphatic hydrocarbons by free radical catalyzed processes, as defined.	F024			E740720	05/19/1980	
8 Regulated Phase I VOCs	8 Regulated Phase I VOCs			E777367		
Hazardous air pollutants	Clean Air Act Section 112 chemicals			E761502	01/01/1992	
7 Regulated Phase I VOCs	7 Regulated Phase I VOCs			E777375		
Vinylidene chloride, mixt. with carbon tetrachloride	Vinylidene chloride and Carbon tetrachloride			E17161167		

Related References

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<http://www.cdc.gov/niosh/84125699.html>

http://www.osha.gov/dts/chemicalsampling/data/CH_275600.html

<http://www.osha.gov/dts/sltc/methods/organic/org019/org019.html>

<http://www.cdc.gov/niosh/ipcsneng/neng0083.html>

http://iter.ctcnet.net/publicurl/p_report_view_list.cfm?crn=75%2D35%2D4

http://iter.ctcnet.net/publicurl/pub_view_list.cfm?crn=75%2D35%2D4

<http://nj.gov/health/eoh/rtkweb/documents/fs/2006.pdf>

<http://www.atsdr.cdc.gov/mrls.html>

<http://www.epa.gov/ttn/atw/hlthef/di-ethyl.html>

<http://www.epa.gov/safewater/mcl.html>

<http://www.atsdr.cdc.gov/tfacts39.html>

<http://ntp-server.niehs.nih.gov/htdocs/LT-studies/tr228.html>

<http://www.epa.gov/iris/subst/0039.htm>

http://cfpub.epa.gov/iris/quickview.cfm?substance_nmbr=0039

<http://www.atsdr.cdc.gov/toxprofiles/tp39.html>

<http://yosemite.epa.gov/oppts/epatscat8.nsf/ReportSearch?OpenAgent&CASNumber=75-35-4>