

TSCA CDR Inventory? TRI?	TURA Chemical List status*		CAS/Chemica I Number	Chemical Name	chemical name (synonyms)	chemical formula	Reported Uses (SOURCES:HAZMAP, NJDHSS, Wikipedia, TSCA CDR, mfr literature)									
		2015 Tier II					Solvent	Pesti- cide	refriger-ant	blowing agent	feedstock / intermed-iate	fire supressant / flame retardant	propell- ant	etchant	Other	
CDR (current Honeywell product)	C1-C4 Cat		102687-65-0	1-Chloro-3,3,3-trifluoropropene	HFO-1233zd (E) Hydro-fluoro-olefin (HFO) R-1233zd	C <sub>3</sub> H <sub>2</sub> ClF <sub>3</sub>	Y		Y	Y			y		insulation for refrigerators, freezers, commercial refrigeration equipment, refrigerated containers and LNG ships; spray foam insulation; insulated metal panels; slabstock and molded flexible foam; refrigerant for chillers; and solvents for metal cleaning and electronics, and circuit flush. <a href="https://www.honeywell-blowingagents.com/?document=solstice-lba-technical-brochure&amp;download=1">https://www.honeywell-blowingagents.com/?document=solstice-lba-technical-brochure&amp;download=1</a> <a href="https://www.honeywell-refrigerants.com/americas/product/solstice-zd/">https://www.honeywell-refrigerants.com/americas/product/solstice-zd/</a> CDR 2016 Honeywell: 100% as propellants and blowing agents for plastics product mfg; Honeywell Solstice® ZD refrigerant, Solstice® 1233zdE, Solstice Blowing Agent; Arkema Forane® 1233zd blowing agent for spray PU foam, appliance insulation, etc. and solvent (may not be available in US)	
Y	C1-C4 Cat		106-95-6	Allyl bromide	2-Propenyl bromide 1-Propene, 3-bromo-	C <sub>3</sub> H <sub>5</sub> Br		Y			y				Manufacture of synthetic perfumes, other allyl compounds; Insecticidal fumigant; Chemical intermediate in organic synthesis, for resins (copolymer with sulfur dioxide) and fragrances; As a fumigant (if quite volatile) or as a contact poison; Used in the manufacture of plastics and dyestuff. CDR 2016 Milliken and Albemarle, all CBI	
Y	C1-C4 Cat		107-04-0	Ethane, 1-bromo-2-chloro-	1-Bromo-2-chloroethane	C <sub>2</sub> H <sub>4</sub> BrCl					y				CDR 2016: intermediate in organic chemical mfg; R&D. <i>Note: SNUR in place due to cancer and mutagenicity concerns</i>	
Y	C1-C4 Cat		109-65-9	Butane, 1-bromo-	1-bromobutane n butyl bromide	C <sub>4</sub> H <sub>9</sub> Br	y				y				CDR 2016: intermediate - Synthetic dye and pigment mfg; pharmaceutical and medicine mfg; Chemtura CBI. CDR 2012 - solvent for cleaning and degreasing	
Y	C1-C4 Cat		109-70-6	Propane, 1-bromo-3-chloro-	1-Bromo-3-chloropropane	C <sub>3</sub> H <sub>6</sub> BrCl									CDR 2016: ion exchange agents and laundry and dishwashing products	
CDR	C1-C4 Cat		115-25-3	Octafluorocyclobutane (Perfluorocyclobutane)	Freon C 318	C <sub>4</sub> F <sub>8</sub> or -(CF <sub>2</sub> ) <sub>4</sub> - (note: cyclic)			y		y		y	y	In the production of semiconductor materials and devices, octafluorocyclobutane serves as a deposition gas and etchant.[2] It has also been investigated as a refrigerant in specialised applications, as a replacement for ozone depleting chlorofluorocarbon refrigerants. Exploiting its volatility and chemical inertness, octafluorocyclobutane may be found in some aerosolized foods. It is listed by the Codex Alimentarius under number 946 (E946 for EU). It is investigated as a possible replacement for sulfur hexafluoride as a dielectric gas. (Wikipedia) CDR 2016: intermediate, processing aid, gas for electronics mfg	
CDR	C1-C4 Cat		116-15-4	1,1,2,3,3,3-Hexafluoro-1-propene	Perfluoropropene; Hexafluoropropylene	C <sub>3</sub> F <sub>6</sub>					y				About 90% is used as a monomer in closed systems to produce fluoropolymers, fluoroelastomers, and fluorolubricants; About 10% is used to produce replacement chlorofluorocarbons; [ACGIH] Production of copolymers and hexafluoropropylene oxide.Intermediate. CDR 2016: intermediate for chemicals and plastics and resins; high volume (7 companies)	
CDR (current Honeywell product)	C1-C4 Cat		29118-24-9	1,3,3,3-Tetrafluoropropene	HFO-1234ze(E)	C <sub>3</sub> H <sub>2</sub> F <sub>4</sub>			Y	Y			Y		extruded polystyrene boardstock and billet, one-component foam, tire inflators, commercial duster and freezer sprays, heat pumps and chillers and various personal care applications HFO-1234ze has zero ozone-depletion potential and a low global-warming potential (GWP=6). 7% of Honeywell Solstice® N40 Refrigerant (R-448A); 58% of Honeywell Solstice N-13 (R-450A) CDR 2016: propellants and blowing agents (Honeywell)	
CDR	C1-C4 Cat	1	354-33-6	Pentafluoroethane	HFC-125 1,1,1,2,2- Pentafluoroethane; R-125	C <sub>2</sub> HF <sub>5</sub>	Y		y	y		y			Used as a replacement for chlorofluorocarbons; [HSDB] Used as a refrigerant, fire extinguishing agent, plastic foam blowing agent, and solvent in special applications; [eChemPortal: SIDSUNEP] 26% of Honeywell Solstice® N40 Refrigerant (R-448A) HFC-125 is a gaseous fire suppression agent which can be used in clean agent fire suppression systems; it is a non ozone depleting substitute for Halon 1301 CDR 2016: refrigerant; high volumme (9 companies); used in R-408a blend (47% R-22, 7% R-125, 46% R-143a); used in R-404a blend (44% R-125, 4% R-134a, 52% R-143a); 30% of Honeywell Genetron Performax LT blend (R-407F); 65.1% of Honeywell Genetron R-422D blend	
CDR (phased out?)	C1-C4 Cat		354-58-5	1,1,1-Trichlorotrifluoroethane	CFC 113a	C <sub>2</sub> F <sub>3</sub> Cl <sub>3</sub>	y		y		y		y		solvent, refrigerant ODP 0.9 GWP 6000; 1,1,1-Trichloro-2,2,2-trifluoroethane's production and use as solvent and an intermediate in the production of 2,3-dichloro-5-trifluoromethylpyridine may result in its release to the environment through various waste streams. The compound is often present in low levels in CFC113 (1,1,2-Trichloro-1,2,2-trifluoroethane). Fully halogenated chlorofluorocarbons (CFCs), such as 1,1,1-trichloro-2,2,2-trifluoroethane, were scheduled for production phase-out in 1987 by the Montreal Protocol. If released to air, a measured vapor pressure of 360 mm Hg at 25 deg C indicates that 1,1,1-trichloro-2,2,2-trifluoroethane will exist solely as a vapor in the atmosphere. CDR 2016: intermediate	
CDR	C1-C4 Cat		354-64-3	Pentafluoroethyl iodide	Pentafluoroiodoethane Ethane, 1,1,1,2,2- pentafluoro-2-iodo-	C <sub>2</sub> F <sub>5</sub> I					y				2016 CDR: Chemours: Type of Process or Use: Processing as a reactant Industrial Sectors: Plastic material and resin manufacturing Category of Industrial Use: Intermediates REACH: intermediate	

\*C1-C4 Cat = would be part of the C1-C4 NOL category; Ind List = currently individually listed on TURA; List of chemicals and uses not comprehensive

TSCA CDR Inventory? TRI?	TURA Chemical List status*		CAS/Chemical Number	Chemical Name	chemical name (synonyms)	chemical formula	Reported Uses (SOURCES:HAZMAP, NJDHSS, Wikipedia, TSCA CDR, mfr literature)									
		2015 Tier II					Solvent	Pesticide	refrigerant	blowing agent	feedstock / intermediate	fire suppressant / flame retardant	propellant	etchant	Other	
CDR	C1-C4 Cat		359-07-9	Ethane, 2-bromo-1,1-difluoro-		C <sub>2</sub> H <sub>3</sub> BrF <sub>2</sub>		y			y				CDR 2016: Type of Process or Use: Processing as a reactant Industrial Sectors: Pesticide, fertilizer, and other agricultural chemical manufacturing Category of Industrial Use: Intermediates	
CDR	C1-C4 Cat		359-35-3	1,1,2,2-tetrafluoroethane	HFC-134	C <sub>2</sub> H <sub>2</sub> F <sub>4</sub>				y			y		propellants and blowing agents [PubChem ref: TSCA]	
CDR	C1-C4 Cat		374-07-2	1,1-Dichlorotetrafluoroethane	R-114, cryofluorane	C <sub>2</sub> F <sub>4</sub> Cl <sub>2</sub>			y						refrigerant	
CDR	C1-C4 Cat		382-10-5	1-Propene, 3,3,3-trifluoro-2-(trifluoromethyl)-	HEXAFLUOROISOBUTENE; 3,3,3,4,4,4-Hexafluoroisobutylene	C <sub>4</sub> H <sub>2</sub> F <sub>6</sub>					y				CDR 2016: intermediate, plastic material and resins	
CDR	C1-C4 Cat		406-58-6	1,1,1,3,3-Pentafluorobutane		C <sub>4</sub> H <sub>5</sub> F <sub>5</sub>			y						refrigerant or heat transfer fluid compositions (patent WO 2005067555 A2)	
CDR	C1-C4 Cat	1	420-46-2	1,1,1-Trifluoroethane	HFC-143a; R-143a; HFA-143a; Ethane, trifluoro-; Methyl fluoroform	C <sub>2</sub> H <sub>3</sub> F <sub>3</sub>			y				y		used as a refrigerant either by itself or more commonly as a component of blended mixtures. Trifluoroethane is also used as a propellant in canned air products used to clean electronic equipment. GWP 4300 (Wikipedia)	
Y	C1-C4 Cat	1	420-46-2	1,1,1-Trifluoroethane	Methylfluoroform R-143a	C <sub>2</sub> H <sub>3</sub> F <sub>3</sub> or CH <sub>3</sub> CF <sub>3</sub>			y				y		It is used as a refrigerant either by itself or more commonly as a component of blended mixtures. not an ozone-depleting chemical, though its high chemical stability and infra-red absorbency make it a potent greenhouse gas with a global warming potential of 4300, higher than many other commonly used HFC refrigerants. Trifluoroethane is also used as a propellant in canned air products used to clean electronic equipment. (Wikipedia) CDR reported used as refrigerant; Chemours Freon 507 mixture 50% 111-trifluoroethane, 50% Pentafluoroethane [354-33-6] also used in R-408a blend (47% R-22, 7% R-125, 46% R-143a); used in R-404a blend (44% R-125, 4% R-134a, 52% R-143a)	
CDR	C1-C4 Cat		423-39-2	Perfluorobutyl iodide	Nonafluoro-1-iodobutane 1,1,1,2,2,3,3,4,4-Nonafluoro-4-iodobutane	C <sub>4</sub> F <sub>9</sub> I					y				2016 CDR Chemours: Type of Process or Use: Processing as a reactant Industrial Sectors: Plastic material and resin manufacturing, other organic chemical mfr Category of Industrial Use: Intermediates	
Y	C1-C4 Cat		431-31-2	1,1,1,2,3-Pentafluoropropane		C <sub>3</sub> H <sub>3</sub> F <sub>5</sub>					y				CDR 2016 intermediate (chemours)	
CDR	C1-C4 Cat		431-89-0	1,1,1,2,3,3,3-Heptafluoropropane	HFC-227ea	C <sub>3</sub> HF <sub>7</sub>				y		y	y		fire suppression systems in data processing and telecommunication facilities, and in protection of many flammable liquids and gases; non-ODP substitute for Halon. Also an aerosol propellant, HFC-227ea is used in pharmaceutical metered dose inhalers such as those used for dispensing asthma medication. CDR 2016 propellant and blowing agent, fire suppression	
CDR	C1-C4 Cat		460-73-1	1,1,1,3,3-Pentafluoropropane	HFC-245fa	C <sub>3</sub> H <sub>3</sub> F <sub>5</sub>	y			y					used primarily for closed-cell spray foam insulation produced by Honeywell and in Asia by Sinochem.[4] Honeywell markets HFC-245fa under the Enovate and Genetron 245fa brand names CDR 2016: propellants and blowing agents, solvent, construction paint and coating additive	
Y 2012 1 co. CBI	C1-C4 Cat		507-20-0	2-chloro-2-methylpropane	tert-butyl chloride	C <sub>4</sub> H <sub>9</sub> Cl					y				It is sparingly soluble in water, with a tendency to undergo hydrolysis to the corresponding tert-butyl alcohol. It is produced industrially as a precursor to other organic compounds. (Wikipedia) Used in manufacture of fine chemicals (ECHA Registration dossier)	
Y	C1-C4 Cat		5408-86-6	Butane, 2,3-dibromo-	2,3-Dibromobutane, mixture of (±) and meso	C <sub>4</sub> H <sub>8</sub> Br <sub>2</sub>					y				CDR 2016 - organic chemical mfg	
N (2012 YES 1 filer CBI innospec)	C1-C4 Cat		557-91-5	1,1-Dibromoethane	Ethylidene dibromide	C <sub>2</sub> H <sub>2</sub> Br <sub>2</sub>									Research chemical; 1,1 isomer see more common 1,2 dibromoethane, which has been used as a soil and crop pesticide and still used as a fumigant and is also intermediate in making flame retardants.	
CDR	C1-C4 Cat		677-21-4	1-Propene, 3,3,3-trifluoro-	3,3,3-Trifluoropropene	C <sub>3</sub> H <sub>3</sub> F <sub>3</sub>					y				CDR 2016: intermediate for organic chemical mfg, synthetic rubber mfg, and plastic material and resin mfg	
CDR	C1-C4 Cat		690-39-1	1,1,1,3,3,3-Hexafluoropropane	HFC-236fa	C <sub>3</sub> H <sub>2</sub> F <sub>6</sub>			y	y	y	y			It is used as a fire suppression agent (Dupont FE-36), a foaming agent, a highly effective refrigerant, a heat transfer medium, a dielectric gas, a sterilant carrier, a polymerization medium, a carrier fluid, a displacement drying agent, a thermodynamic power cycle working fluid, etc. (GWP 6300) (Wikipedia)	
Y 2012 1 filer CBI	C1-C4 Cat		74-96-4	Bromoethane	Ethyl bromide	C <sub>2</sub> H <sub>5</sub> Br	Y		y		y				Used in organic synthesis and as a solvent for chemicals and pharmaceuticals; Used in the past as a refrigerant and an anesthetic; [ACGIH] CDR 2016: intermediate for organic chemical mfg and pesticide, fertilizer, ag chemical mfg	
Y	C1-C4 Cat		74-97-5	Methane, bromochloro-	Chlorobromomethane	CH <sub>2</sub> BrCl					y				CDR 2016: intermediate organic chemical mfg and pesticide, fertilizer and agricultural chemicals	
Y 2012 1 filer sm quantities toyota	C1-C4 Cat		75-03-6	Iodoethane	Ethyl iodide	C <sub>2</sub> H <sub>5</sub> I					y				ethylating agent [Wikipedia]	
CDR	C1-C4 Cat	2	75-10-5	Methane, difluoro-	Difluoromethane; HFC-32	CH <sub>2</sub> F <sub>2</sub>			y		y				Used as a refrigerant and to make other chemicals; [Hawley] GWP 675 30% of Honeywell Genetron Performax LT blend (R-407F)	
CDR	C1-C4 Cat		75-26-3	2-bromopropane	Isopropyl bromide	C <sub>3</sub> H <sub>7</sub> Br	Y				Y				reported by 2 companies in CDR, Albemarle (intermediate) and Vertellus Holdings (no info on use). Isomer of nPB	

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		2015 Tier II					Solvent	Pesti- cide	refriger-ant	blowing agent	feedstock / intermed-iate	fire supressant / flame retardant	propell- ant	etchant	Other	
CDR	C1-C4 Cat	1	75-37-6	1,1-Difluoroethane	HFC-152a; Difluoroethane Ethylidene difluoride Ethylidene fluoride R-152a; DFE	C <sub>2</sub> H <sub>2</sub> F <sub>2</sub>			y	y	y		y		Used as a chemical intermediate, refrigerant, and propellant; [HSDB] R152a is most commonly used as a component within other refrigerant blends, as a propellant, and in some XPS foams. Its relatively low global warming potential when compared to other HFCs is desirable, however its flammability creates challenges thus limiting its use.(Linde gases); historically used as 74% of R-500 refrigerant blend with R-12.	
CDR	C1-C4 Cat	1	75-38-7	1,1-Difluoroethene	Vinylidene difluoride	C <sub>2</sub> H <sub>4</sub> F <sub>2</sub>					y				Used in the production of polyvinylidene fluoride polymers and elastomers; [HSDB] It is used in the manufacture of polymers, co-polymers and chemical intermediates. [NJDHSS]	
CDR	C1-C4 Cat		754-12-1	2,3,3,3-Tetrafluoropropene	HFO-1234yf	C <sub>3</sub> H <sub>2</sub> F <sub>4</sub>			y						20% of Honeywell Solstice® N40 Refrigerant (R-448A), a blend including an HFO mobile air conditioning,vending machines and refrigerators. <a href="https://www.honeywell-refrigerants.com/americas/?document=2008-purdue-conference-low-gwp-refrigerants&amp;download=1">https://www.honeywell-refrigerants.com/americas/?document=2008-purdue-conference-low-gwp-refrigerants&amp;download=1</a>	
CDR 2012, 2016	C1-C4 Cat	2	75-46-7	Methane, trifluoro-	Trifluoromethane fluoroform Freon 23; Genetron 23 HFC-23; R 23	CHF <sub>3</sub>	y		y	y	y	y	y	y	Used as a refrigerant, fire extinguishing agent, blowing agent for polyurethane foams, and intermediate in chemical production; Consumption patterns: REFRIGERANTS, 39%; FOAM BLOWING AGENTS, 14%; SOLVENTS, 14%; FLUOROPOLYMERS, 14%; STERILANT GAS, 2%; AEROSOL PROPELLANTS, 2%; FOOD FREEZANT, 1%; OTHER, 8%; EXPORTS, 3% (1985) /FLUOROCARBONS/ CHEMICAL PROFILE: FLUOROCARBONS, 1986 Peer Reviewed [HSDB] Chemours CDR 2016: fire supression agent (60%); electrical and electronic products (20%); plating and surface treating agent (10%) (plasma etchant & cleaning- semiconductor mfr); functional fluid (4%) [TSCA CDR 2016] major appl: electronic gases, etching, solvent cleaning, fire extinguishing, ultra low temp refrigeration [CEH 2017]	
CDR	C1-C4 Cat	3	75-73-0	Carbon tetrafluoride	Perfluoromethane	CF <sub>4</sub>			Y					Y	Used as a low temperature refrigerant (NJDHSS)	
CDR	C1-C4 Cat		76-16-4	Ethane, hexafluoro-	Perfluoroethane	C <sub>2</sub> F <sub>6</sub>			y				y		Used as dielectric, coolant, aerosol propellant, and refrigerant; [Hawley]	
CDR	C1-C4 Cat		76-19-7	Octafluoropropane	perfluoropropane, R 218, Flutec PP30, genetron 218, Freon 218, PFC 218	C <sub>3</sub> F <sub>8</sub>			y	y				y	In the electronics industry, octafluoropropane is mixed with oxygen and used as a plasma etching material for SiO2 layers in semiconductor applications octafluoropropane may compose the gas cores of microbubble contrast agents used in contrast-enhanced ultrasound and in retina surgery component of R-218 refrigerant (Wikipedia)	
CDR	C1-C4 Cat		79-38-9	Chlorotrifluoroethylene	CTFE	C <sub>2</sub> ClF <sub>3</sub>			y		y				refrigerant in cryogenic applications. CTFE has a C=C double bond and so can be polymerized to form polychlorotrifluoroethylene or copolymerized to produce ECTFE. PCTFE has the trade name Neoflon PCTFE from Daikin Industries in Japan, and used to be produced under the trade name Kel-F from 3M Corporation in Minnesota (Wikipedia)	
CDR	C1-C4 Cat	21	811-97-2	1,1,1,2-Tetrafluoroethane	HFC-134a; HFA-134a R-134a Norflurane	C <sub>2</sub> H <sub>2</sub> F <sub>4</sub>			y	y			y		21% of Honeywell Solstice® N40 Refrigerant (R-448A); R-134a is used primarily as a "high-temperature" refrigerant for domestic refrigeration and automobile air conditioners. Other uses include plastic foam blowing, as a cleaning or extraction solvent, a propellant for the delivery of pharmaceuticals (e.g. bronchodilators), wine cork removers, gas dusters, such as Dust-Off, and in air driers for removing the moisture from compressed air. Has also been used to cool computers in some overclocking attempts. It is the refrigerant used in plumbing pipe freeze kits. It is also commonly used as a propellant for airsoft airguns (Wikipedia) extremely common refrigerant used in a wide range of refrigeration and air conditioning applications, including medium and high temperature refrigeration (both domestic and commercial), residential & light air conditioning, automotive air conditioning and industrial applications such as centrifugal chillers. It is also a common component in many HFC refrigerant blends and is used in some propellant applications. (Linde) Used in R-404a blend (44% R-125, 4% R-134a, 52% R-143a); 42% of Honeywell Solstice N-13 (R-450A); 40% of Honeywell Genetron Performax LT blend (R-407F); 31.5% of Honeywell Genetron R-422D blend; Forane® 134a blowing agent;	
N	C1-C4 Cat		2354-06-5	1,1,1,3,3-Pentachloro-2,2,3-trifluoropropane		C <sub>3</sub> F <sub>3</sub> Cl <sub>5</sub>										
N	C1-C4 Cat		4071-01-6	1,1-Dichloro-2,2,3,3-tetrafluoropropane		C <sub>3</sub> H <sub>2</sub> F <sub>4</sub> Cl <sub>2</sub>										
N	C1-C4 Cat		6974-12-5	2-Butene, 1,4-dibromo-	1,4-Dibromo-2-butene	C4H6-Br2									n/f	
N 2012 No	C1-C4 Cat		109-64-8	1,3-Dibromopropane	Trimethylene dibromide	C3H6Br2		Y			y				Intermediate for dyestuff and pharmaceutical industries, cyclopropane manufacture. Used as a herbicide /SRP65: Former use/	
N	C1-C4 Cat		110587-14-9	Chlorofluoroethane		C <sub>2</sub> H <sub>4</sub> ClF										
N	C1-C4 Cat		1112-01-2	1,1-Dichloro-2,2-difluoropropane		C <sub>3</sub> H <sub>4</sub> F <sub>2</sub> Cl <sub>2</sub>										
N	C1-C4 Cat		1112-14-7	1,1,3,3-Tetrachloro-2,2-difluoropropane		C <sub>3</sub> H <sub>2</sub> F <sub>2</sub> Cl <sub>4</sub>										

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		2015 Tier II					Solvent	Pesti- cide	refriger-ant	blowing agent	feedstock / intermed-iate	fire supressant / flame retardant	propell- ant	etchant	Other	
N	C1-C4 Cat		1112-36-3	1,3-Dichloro-2,2-difluoropropane		C <sub>3</sub> H <sub>4</sub> F <sub>2</sub> Cl <sub>2</sub>										
N	C1-C4 Cat		117970-90-8	2-Chloro-1,1,1,3-tetrafluoropropane		C <sub>3</sub> H <sub>3</sub> F <sub>4</sub> Cl										
N	C1-C4 Cat		124-72-1	Teflurane												
N	C1-C4 Cat		127564-83-4	Dichlorotetrafluoropropane		C <sub>3</sub> H <sub>2</sub> F <sub>4</sub> Cl <sub>2</sub>										
N	C1-C4 Cat		131211-71-7	1,1,1-Trichloro-2,2,3-trifluoropropane		C <sub>3</sub> H <sub>2</sub> F <sub>3</sub> Cl <sub>3</sub>										
N	C1-C4 Cat		131221-36-8	1,1,3-Trichloro-2,2,3-trifluoropropane		C <sub>3</sub> H <sub>2</sub> F <sub>3</sub> Cl <sub>3</sub>										
N	C1-C4 Cat		13195-80-7	1-Propene, 1,1-dibromo-												
N	C1-C4 Cat		134190-48-0	Pentachlorofluoropropane		C <sub>3</sub> H <sub>2</sub> FCl <sub>5</sub>										
N	C1-C4 Cat		134190-49-1	Tetrachlorofluoropropane		C <sub>3</sub> H <sub>3</sub> FCl <sub>4</sub>										
N	C1-C4 Cat		134190-50-4	Chlorotetrafluoropropane		C <sub>3</sub> H <sub>3</sub> F <sub>4</sub> Cl										
N	C1-C4 Cat		134190-51-5	Trichlorofluoropropane		C <sub>3</sub> H <sub>4</sub> FCl <sub>3</sub>										
N	C1-C4 Cat		134190-52-6	Dichlorodifluoropropane		C <sub>3</sub> H <sub>4</sub> F <sub>2</sub> Cl <sub>2</sub>										
N	C1-C4 Cat		134190-53-7	Chlorodifluoropropane		C <sub>3</sub> H <sub>5</sub> F <sub>2</sub> Cl										
N	C1-C4 Cat		134190-54-8	Chlorofluoropropane		C <sub>3</sub> H <sub>6</sub> FCI										
N	C1-C4 Cat		134237-36-8	Pentachlorodifluoropropane		C <sub>3</sub> HF <sub>2</sub> Cl <sub>5</sub>										
N	C1-C4 Cat		134237-37-9	Tetrachlorotrifluoropropane		C <sub>3</sub> HF <sub>3</sub> Cl <sub>4</sub>										
N	C1-C4 Cat		134237-38-0	Trichlorotetrafluoropropane		C <sub>3</sub> HF <sub>4</sub> Cl <sub>3</sub>										
N	C1-C4 Cat		134237-39-1	Tetrachlorodifluoropropane		C <sub>3</sub> H <sub>2</sub> F <sub>2</sub> Cl <sub>4</sub>										
N	C1-C4 Cat		134237-40-4	Trichlorotrifluoropropane		C <sub>3</sub> H <sub>2</sub> F <sub>3</sub> Cl <sub>3</sub>										
N	C1-C4 Cat		134237-41-5	Chloropentafluoropropane		C <sub>3</sub> H <sub>2</sub> F <sub>5</sub> Cl										
N	C1-C4 Cat		134237-42-6	Trichlorodifluoropropane		C <sub>3</sub> H <sub>3</sub> F <sub>2</sub> Cl <sub>3</sub>										
N	C1-C4 Cat		134237-43-7	Dichlorotrifluoropropane		C <sub>3</sub> H <sub>3</sub> F <sub>3</sub> Cl <sub>2</sub>										
N	C1-C4 Cat		134237-44-8	Chlorotrifluoropropane		C <sub>3</sub> H <sub>4</sub> F <sub>3</sub> Cl										
N	C1-C4 Cat		134237-45-9	Dichlorofluoropropane		C <sub>3</sub> H <sub>5</sub> FCI <sub>2</sub>										
N	C1-C4 Cat		134251-06-2	2-Chloro-1,1,1,3,3-pentafluoropropane		C <sub>3</sub> H <sub>2</sub> F <sub>5</sub> Cl										
N	C1-C4 Cat		134308-72-8	Chlorohexafluoropropane		C <sub>3</sub> HF <sub>6</sub> Cl										
N	C1-C4 Cat		146916-90-7	2,3-Dichloro-1,1,1,3-tetrafluoropropane		C <sub>3</sub> H <sub>2</sub> F <sub>4</sub> Cl <sub>2</sub>										
N	C1-C4 Cat		149329-24-8	2,2-Dichloro-1,1,1,3-tetrafluoropropane		C <sub>3</sub> H <sub>2</sub> F <sub>4</sub> Cl <sub>2</sub>										
N	C1-C4 Cat		149329-25-9	2,3-Dichloro-1,1,1,2-tetrafluoropropane		C <sub>3</sub> H <sub>2</sub> F <sub>4</sub> Cl <sub>2</sub>										
N	C1-C4 Cat		149329-26-0	1,2-Dichloro-1,1,2,3-tetrafluoropropane		C <sub>3</sub> H <sub>2</sub> F <sub>4</sub> Cl <sub>2</sub>										
N	C1-C4 Cat		149329-27-1	1,3-Dichloro-1,1,2-trifluoropropane		C <sub>3</sub> H <sub>3</sub> F <sub>3</sub> Cl <sub>2</sub>										
N	C1-C4 Cat		1511-62-2	Bromodifluoromethane		CHBrF <sub>2</sub> or CHF <sub>2</sub> Br										
N	C1-C4 Cat		151771-08-3	1,3-Dichloro-1,2,3-trifluoropropane		C <sub>3</sub> H <sub>3</sub> F <sub>3</sub> Cl <sub>2</sub>										
N	C1-C4 Cat		156-59-2	cis-1,2-Dichloroethylene		C <sub>2</sub> H <sub>2</sub> Cl <sub>2</sub>	y								as part of mixture of cis- trans-dichloroethylene (540-59-0), used primarily as solvent	
N	C1-C4 Cat		1615-75-4	1-Chloro-1-fluoroethane		C <sub>2</sub> H <sub>4</sub> ClF										
N	C1-C4 Cat		1645-83-6	1,3,3,3-Tetrafluoropropene		C <sub>3</sub> H <sub>2</sub> F <sub>4</sub>										
N	C1-C4 Cat		1691-13-0	1,2-Fluoroethene	n/f	C2H2F2									n/f	

\*C1-C4 Cat = would be part of the C1-C4 NOL category; Ind List = currently individually listed on TURA; List of chemicals and uses not comprehensive

TSCA CDR Inventory? TRI?	TURA Chemical List status*		CAS/Chemical Number	Chemical Name	chemical name (synonyms)	chemical formula	Reported Uses (SOURCES:HAZMAP, NJDHSS, Wikipedia, TSCA CDR, mfr literature)									
		2015 Tier II					Solvent	Pesticide	refrigerant	blowing agent	feedstock / intermediate	firesuppressant / flame retardant	propellant	etchant	Other	
N	C1-C4 Cat		17705-30-5	2,2-Dichloro-1,1,3,3-tetrafluoropropane		C <sub>3</sub> H <sub>2</sub> F <sub>4</sub> Cl <sub>2</sub>										
N	C1-C4 Cat		1814-88-6	Pentafluoropropane		C <sub>3</sub> H <sub>3</sub> F <sub>5</sub>										
N	C1-C4 Cat		1842-05-3	1,1-Dichloro-1,2-difluoroethane		C <sub>2</sub> H <sub>2</sub> F <sub>2</sub> Cl <sub>2</sub>										
N	C1-C4 Cat		1868-53-7	Methane, dibromofluoro-	Dibromofluoromethane	CHBr2F									n/f	
N	C1-C4 Cat		19041-02-2	2-Chloro-1,1,3,3-tetrafluoropropane		C <sub>3</sub> H <sub>3</sub> F <sub>4</sub> Cl										
N	C1-C4 Cat		19398-48-2	2-Butene, 2,3-dibromo-												
N	C1-C4 Cat		2252-84-8	1,1,2,2,3,3,3-Heptafluoropropane		C <sub>3</sub> HF <sub>7</sub>										
N	C1-C4 Cat		2268-46-4	1,2,2,3-Tetrachloro-1,1,3,3-tetrafluoropropane		C <sub>3</sub> F <sub>4</sub> Cl <sub>4</sub>										
N	C1-C4 Cat		2311-14-0	1,1,1-Tribromoethane	n/f	C2H3Br3 or CH3CBr3									n/f	
N	C1-C4 Cat		2366-36-1	1,1,1-Trichloro-2-fluoroethane		C <sub>2</sub> H <sub>2</sub> FCl <sub>3</sub>										
N	C1-C4 Cat		24270-66-4	1,1,2,3,3-Pentafluoropropane		C <sub>3</sub> H <sub>3</sub> F <sub>5</sub>										
N	C1-C4 Cat		25167-20-8	Tetrabromoethane												
N	C1-C4 Cat		25429-23-6	Ethene, dibromo-												
N	C1-C4 Cat		25497-29-4	Chlorodifluoroethane		C <sub>2</sub> H <sub>3</sub> F <sub>2</sub> Cl										
N	C1-C4 Cat		25497-29-4	1-Chloro-1,2-difluoroethane		C <sub>2</sub> H <sub>3</sub> F <sub>2</sub> Cl										
N	C1-C4 Cat		25915-78-0	Dichlorodifluoroethane		C <sub>2</sub> H <sub>2</sub> F <sub>2</sub> Cl <sub>2</sub>										
N	C1-C4 Cat		26391-16-2	1-Propene, 1,2-dibromo-												
N	C1-C4 Cat		27072-47-5	Dibromopropane	n/f	C3H6Br2									n/f	
N	C1-C4 Cat		2730-43-0	1-Chloro-3,3,3-trifluoropropene		C <sub>3</sub> H <sub>2</sub> ClF <sub>3</sub>										
N	C1-C4 Cat		2730-64-5	1-Chloro-1,1,3,3-tetrafluoropropane		C <sub>3</sub> H <sub>3</sub> F <sub>4</sub> Cl										
N	C1-C4 Cat		27336-23-8	1,1-Dibromo-1,2,2,2-tetrafluoroethane												
N	C1-C4 Cat		28103-66-4	1-Chloro-1,2,2,3,3-pentafluoropropane		C <sub>3</sub> H <sub>2</sub> F <sub>5</sub> Cl										
N	C1-C4 Cat		3017-69-4	1-Propene, 1-bromo-2-methyl- (9CI)												
N	C1-C4 Cat		30283-90-0	Ethane, bromotetrafluoro-												
N	C1-C4 Cat		31392-96-8	Ethane, dibromodifluoro-												
N	C1-C4 Cat		338-75-0	2,3-Dichloro-1,1,1-trifluoropropane		C <sub>3</sub> H <sub>3</sub> F <sub>3</sub> Cl <sub>2</sub>										
N	C1-C4 Cat		3470-67-5	Ethane, 1,1,1,2-tetrabromo-2,2-difluoro-	1,1,1,2-Tetrabromo-2,2-difluoroethane	C2-Br4-F2									n/f	
N	C1-C4 Cat		353-36-6	Ethane, fluoro-	Monofluoroethane	C2H5F			y				y		It is used in aerosols and refrigeration.	
N	C1-C4 Cat		353-54-8	Methane, tribromofluoro-	n/f	C-Br3F									n/f	
N	C1-C4 Cat		353-83-3	1,1,1-Trifluoro-2-iodoethane		CF3CH2I										
N	C1-C4 Cat		354-04-1	Ethane, 1,2-dibromo-1,1,2-trifluoro-												
N	C1-C4 Cat		354-12-1	1,1,1-Trichloro-2,2-difluoroethane		C <sub>2</sub> HF <sub>2</sub> Cl <sub>3</sub>										
N	C1-C4 Cat		354-15-4	1,1,2-Trichloro-1,2-difluoroethane		C <sub>2</sub> HF <sub>2</sub> Cl <sub>3</sub>										
N	C1-C4 Cat		354-21-2	1,1,2-Trichloro-2,2-difluoroethane		C <sub>2</sub> HF <sub>2</sub> Cl <sub>3</sub>										
N	C1-C4 Cat		354-48-3	1,1,1-Tribromo-2,2,2-trifluoroethane	n/f	C2Br3F3									n/f	
N	C1-C4 Cat		354-55-2	Bromopentafluoroethane												
N	C1-C4 Cat		354-56-3	Pentachlorofluoroethane		C <sub>2</sub> FCl <sub>5</sub>										
N	C1-C4 Cat		355-25-9	Decafluorobutane (Perfluorobutane)		C <sub>4</sub> F <sub>10</sub>										

\*C1-C4 Cat = would be part of the C1-C4 NOL category; Ind List = currently individually listed on TURA; List of chemicals and uses not comprehensive

TSCA CDR Inventory? TRI?	TURA Chemical List status*		CAS/Chemica I Number	Chemical Name	chemical name (synonyms)	chemical formula	Reported Uses (SOURCES:HAZMAP, NJDHSS, Wikipedia, TSCA CDR, mfr literature)									
		Solvent					Pesti- cide	refriger-ant	blowing agent	feedstock / intermed-iate	fire supressant / flame retardant	propell- ant	etchant	Other		
N	C1-C4 Cat		356-18-3	Dichlorohexafluorocyclobutane		C <sub>4</sub> Cl <sub>2</sub> F <sub>6</sub>										
N	C1-C4 Cat		358-97-4	1,2-Dibromo-1-fluoroethane		C <sub>2</sub> H <sub>3</sub> Br <sub>2</sub> F										
N	C1-C4 Cat		359-11-5	Ethene, trifluoro-	trifluoroethylene	C2HF3	y		y	y	y		y		Used in the production of fluorinated plastics and inert fluids. Refrigerants 39% foam blowing agents 17% solvents 14% fluoropolymers 14% serilant gas 2% aerosol propellants 2% [rom pubChem, ref: Chemical Profilie Fluorocarbons 1986 from HSDB]	
N	C1-C4 Cat		359-28-4	1,1,2-Trichloro-2-fluoroethane		C <sub>2</sub> H <sub>2</sub> FCl <sub>3</sub>										
N	C1-C4 Cat		359-58-0	1-Chloro-1,1,2,3,3,3-hexafluoropropane		C <sub>3</sub> HF <sub>6</sub> Cl										
N	C1-C4 Cat		375-17-7	1,1,1,2,2,3,3,4,4-Nonafluorobutane		C <sub>4</sub> HF <sub>9</sub>										
N	C1-C4 Cat		377-41-3	Chloroheptafluorocyclobutane		C <sub>4</sub> ClF <sub>7</sub>										
N	C1-C4 Cat		382-21-8	perfluoroisobutylene	1-Propene, 1,1,3,3,3-pentafluoro-2-(trifluoromethyl)-	C4F8					y				synthesis of hydrogen fluoride and PTFE	
N	C1-C4 Cat		40723-63-5	1,1,2,2-Tetrafluoropropane		C <sub>3</sub> H <sub>4</sub> F <sub>4</sub>										
N	C1-C4 Cat		407-81-8	2-Butene, 1,4-difluoro-	1,4-Difluoro-2-butene	C4H6F2										n/f
N	C1-C4 Cat		420-44-0	2-Chloro-2-fluoropropane		C <sub>3</sub> H <sub>6</sub> FCI										
N	C1-C4 Cat		420-45-1	Propane, 2,2-difluoro-	Dimethyldifluoromethane	C3H6F2										n/f
N	C1-C4 Cat		420-99-5	1-Chloro-2,2-difluoropropane		C <sub>3</sub> H <sub>5</sub> F <sub>2</sub> Cl										
N	C1-C4 Cat		421-04-5	1-Chloro-1,1,2-Trifluoroethane		C <sub>2</sub> H <sub>2</sub> F <sub>3</sub> Cl										
N	C1-C4 Cat		421-07-8	Propane, 1,1,1-trifluoro-	n/f	C3H5F3										n/f
N	C1-C4 Cat		421-73-8	2-Chloro-1,1,1,2-tetrafluoropropane		C <sub>3</sub> H <sub>3</sub> F <sub>4</sub> Cl										
N	C1-C4 Cat		421-75-0	1-Chloro-1,1,2,2-tetrafluoropropane		C <sub>3</sub> H <sub>3</sub> F <sub>4</sub> Cl										
N	C1-C4 Cat		421-99-8	1,1,3-Trichloro-1,2,2-trifluoropropane		C <sub>3</sub> H <sub>2</sub> F <sub>3</sub> Cl <sub>3</sub>										
N	C1-C4 Cat		422-00-5	1,3-Dichloro-1,1,2,2-tetrafluoropropane		C <sub>3</sub> H <sub>2</sub> F <sub>4</sub> Cl <sub>2</sub>										
N	C1-C4 Cat		422-02-6	3-Chloro-1,1,1,2,3-pentafluoropropane		C <sub>3</sub> H <sub>2</sub> F <sub>5</sub> Cl										
N	C1-C4 Cat		422-26-4	1,1,1,2,2,3-Hexachloro-3-fluoropropane		C <sub>3</sub> HFCl <sub>6</sub>										
N	C1-C4 Cat		422-49-1	1,1,1,3,3-Pentachloro-2,2-difluoropropane		C <sub>3</sub> HF <sub>2</sub> Cl <sub>5</sub>										
N	C1-C4 Cat		422-50-4	1,1,1,3-Tetrachloro-2,2,3-trifluoropropane		C <sub>3</sub> HF <sub>3</sub> Cl <sub>4</sub>										
N	C1-C4 Cat		422-51-5	1,1,1-Trichloro-2,2,3,3-tetrafluoropropane		C <sub>3</sub> HF <sub>4</sub> Cl <sub>3</sub>										
N	C1-C4 Cat		422-52-6	1,1,3,3-Tetrachloro-1,2,2-trifluoropropane		C <sub>3</sub> HF <sub>3</sub> Cl <sub>4</sub>										
N	C1-C4 Cat		422-53-7	1,1,3-Trichloro-1,2,2,3-tetrafluoropropane		C <sub>3</sub> HF <sub>4</sub> Cl <sub>3</sub>										
N	C1-C4 Cat		422-54-8	1,3,3-Trichloro-1,1,2,2-tetrafluoropropane		C <sub>3</sub> HF <sub>4</sub> Cl <sub>3</sub>										
N	C1-C4 Cat		422-55-9	1-Chloro-1,1,2,2,3,3-hexafluoropropane		C <sub>3</sub> HF <sub>6</sub> Cl										
N	C1-C4 Cat		422-57-1	3-Chloro-1,1,1,2,2,3-hexafluoropropane		C <sub>3</sub> HF <sub>6</sub> Cl										

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TSCA CDR Inventory? TRI?	TURA Chemical List status*		CAS/Chemica I Number	Chemical Name	chemical name (synonyms)	chemical formula	Reported Uses (SOURCES:HAZMAP, NJDHSS, Wikipedia, TSCA CDR, mfr literature)									
		Solvent					Pesti- cide	refriger-ant	blowing agent	feedstock / intermed-iate	fire supressant / flame retardant	propell- ant	etchant	Other		
N	C1-C4 Cat		422-78-6	1,1,1,2,2,3,3-Heptachloro-3-fluoropropane		C <sub>3</sub> FCI <sub>7</sub>										
N	C1-C4 Cat		422-86-6	1-Chloro-1,1,2,2,3,3,3-heptafluoropropane		C <sub>3</sub> F <sub>7</sub> Cl										
N	C1-C4 Cat		4259-43-2	1,1,1-Trichloro-2,2,3,3,3-pentafluoropropane		C <sub>3</sub> F <sub>5</sub> Cl <sub>3</sub>										
N	C1-C4 Cat		425-94-5	1,2-Dichloro-1,2,3,3-tetrafluoropropane		C <sub>3</sub> H <sub>2</sub> F <sub>4</sub> Cl <sub>2</sub>										
N	C1-C4 Cat		430-53-5	1,1-Dichloro-2-fluoroethane		C <sub>2</sub> H <sub>3</sub> FCI <sub>2</sub>										
N	C1-C4 Cat		430-57-9	1,2-Dichloro-1-fluoroethane		C <sub>2</sub> H <sub>3</sub> FCI <sub>2</sub>										
N	C1-C4 Cat		430-66-0	Ethane, 1,1,2-trifluoro-	FC 143	C2H3F3										n/f
N	C1-C4 Cat		431-07-2	1-Chloro-1,2,2-Trifluoroethane		C <sub>2</sub> H <sub>2</sub> F <sub>3</sub> Cl										
N	C1-C4 Cat		431-63-0	1,1,1,2,3,3-Hexafluoropropane		C <sub>3</sub> H <sub>2</sub> F <sub>6</sub>										
N	C1-C4 Cat		431-87-8	2-Chloro-1,1,1,3,3,3-hexafluoropropane		C <sub>3</sub> HF <sub>6</sub> Cl										
N	C1-C4 Cat		4399-47-7	Bromocyclobutane												
N	C1-C4 Cat		462-39-5	Propane, 1,3-difluoro-	1,3-Difluoropropane	C3H6F2										n/f
N	C1-C4 Cat		471-43-2	1,1-Dichloro-2,2-difluoroethane		C <sub>2</sub> H <sub>2</sub> F <sub>2</sub> Cl <sub>2</sub>										
N	C1-C4 Cat		4784-77-4	2-Butene, 1-bromo-												
N 2012 No	C1-C4 Cat		507-25-5	Methane, tetraiodo-	Carbon tetraiodide	CI <sub>4</sub>				Y						n/f
N 2012 No	C1-C4 Cat		513-31-5	2,3-Dibromopropene	2-Bromoallyl bromide	C3H4Br2										n/f
N	C1-C4 Cat		51346-64-6	2-Chloro-1,1,1,2,3,3-hexafluoropropane		C <sub>3</sub> HF <sub>6</sub> Cl										
N	C1-C4 Cat		513-92-8	Ethene, tetraiodo-	Tetraiodoethylene	C2I4										n/f
N	C1-C4 Cat		5162-44-7	1-Butene, 4-bromo-												
N	C1-C4 Cat		540-49-8	1,2-Dibromoethylene	2-Bromovinyl bromide	C2H2Br2	Y									Research Chemical
N	C1-C4 Cat		540-54-5	1-Chloropropane												
N	C1-C4 Cat		556-56-9	Allyl iodide	3-Iodopropylene	C3H5I										It is used in making other chemicals and polymers.
N	C1-C4 Cat		558-13-4	Tetrabromomethane	Carbon tetrabromide	C-Br4	Y									Used in organic syntheses; [ACGIH]
N	C1-C4 Cat		56758-54-4	1-Chloro-2,2,3-trifluoropropane		C <sub>3</sub> H <sub>4</sub> F <sub>3</sub> Cl										
N	C1-C4 Cat		590-11-4	cis-Dibromoethylene												
N	C1-C4 Cat		590-12-5	trans-1,2-Dibromoethylene												
N	C1-C4 Cat		593-53-3	Methyl fluoride	Fluoromethane	CH3F								Y		
N	C1-C4 Cat		593-66-8	Ethene, iodo-	Iodoethylene	C2H3I										n/f
N	C1-C4 Cat		593-70-4	Chlorofluoromethane		CH <sub>2</sub> FCI										
N	C1-C4 Cat		593-92-0	1,1-Dibromoethylene	Vinylidene bromide	C2H4Br2										n/f
N	C1-C4 Cat		594-02-5	1,1-Diiodoethane		C2H2I2.										n/f
N	C1-C4 Cat		594-16-1	Propane, 2,2-dibromo-												
N	C1-C4 Cat		594-37-6	1,2-dichloro-2-methylpropane												
N 2012 No	C1-C4 Cat		594-73-0	Hexabromoethane		C2-Br6										n/f
N	C1-C4 Cat		594-73-0	Hexabromoethane		C2Br6										n/f
N	C1-C4 Cat		598-16-3	Ethylene tribromide	Tribromoethene	C2HBr3										n/f
N	C1-C4 Cat		598-29-8	1,2-Diiodopropane		C3H6I2										n/f
N	C1-C4 Cat		624-72-6	1,2-Difluoroethane (HFC-152)	Ethylene difluoride	C2H4F2	y		y	y	y		y			Mechanical vapor compression systems use fluorocarbons for refrigeration and air conditioning and account for ... majority of refrigeration capability in US ... Fluorocarbons are used as refrigerants in home appliances, mobile air conditioning units, retail food refrigeration systems and ... chillers. /Fluorocarbons/ Refrigerants, 39%; foam blowing agents, 17%; solvents, 14%; fluoropolymers, 14%; sterilant gas, 2%; aerosol propellants, 2%; food freezant, 1%; other, 8%; exports, 3% (1985) /Fluorocarbons/ [PubChem from Chemical Profile: Fluorocarbons (1986)]
N	C1-C4 Cat		624-73-7	Ethane, 1,2-diiodo-		C2H4I2										n/f
N	C1-C4 Cat		627-31-6	Propane, 1,3-diiodo-	Trimethylene diiodide	C3H6I2										n/f

\*C1-C4 Cat = would be part of the C1-C4 NOL category; Ind List = currently individually listed on TURA; List of chemicals and uses not comprehensive

TSCA CDR Inventory? TRI?	TURA Chemical List status*	2015 Tier II	CAS/Chemica I Number	Chemical Name	chemical name (synonyms)	chemical formula	Reported Uses (SOURCES:HAZMAP, NJDHSS, Wikipedia, TSCA CDR, mfr literature)									
							Solvent	Pesti- cide	refriger-ant	blowing agent	feedstock / intermed-iate	fire supressant / flame retardant	propell- ant	etchant	Other	
N	C1-C4 Cat		630-16-0	Ethane, 1,1,1,2-tetrabromo-		C2H2-Br4										n/f
N	C1-C4 Cat		64712-27-2	1,1-Dichloro-1,3,3,3-tetrafluoropropane		C3H2F4Cl2										
N	C1-C4 Cat		661-95-0	Propane, 1,2-dibromo-1,1,2,3,3,3-hexafluoro-												
N	C1-C4 Cat		661-97-2	1,2-Dichloro-1,1,2,3,3,3-hexafluoropropane		C3F6Cl2										
N	C1-C4 Cat		662-00-0	1,1,1,2,2,3,3-Heptafluorobutane		C4H3F7										
N	C1-C4 Cat		662-01-1	1,3-Dichloro-1,1,2,2,3,3-hexafluoropropane		C3F6Cl2										
N	C1-C4 Cat		67406-66-0	1-Chloro-1,2,2,3-tetrafluoropropane		C3H3F4Cl										
N	C1-C4 Cat		67406-68-2	1,3-Dichloro-1,2,2-trifluoropropane		C3H3F3Cl2										
N	C1-C4 Cat		677-54-3	1,1,1,3-Tetrachloro-2,2-difluoropropane		C3H2F2Cl4										
N	C1-C4 Cat		677-55-4	1-Chloro-1,1,3,3,3-pentafluoropropane		C3H2F5Cl										
N	C1-C4 Cat		677-56-5	1,1,1,2,2,3-Hexafluoropropane		C3H2F6										
N	C1-C4 Cat		679-85-6	3-Chloro-1,1,2,2-tetrafluoropropane		C3H3F4Cl										
N	C1-C4 Cat		679-86-7	1,1,2,2,3-Pentafluoropropane		C3H3F5										
N	C1-C4 Cat		679-99-2	1-Chloro-1,1,2,2,3-pentafluoropropane		C3H2F5Cl										
N	C1-C4 Cat		685-63-2	1,3-Butadiene, 1,1,2,3,4,4-hexafluoro-	Hexafluoro-1,3-butadiene	C4F6										n/f
N	C1-C4 Cat		70192-63-1	1,1-Dichloro-1,2,2,3-tetrafluoropropane		C3H2F4Cl2										
N	C1-C4 Cat		70192-70-0	1,1-Dichloro-2,2,3-trifluoropropane		C3H3F3Cl2										
N	C1-C4 Cat		70192-76-6	1-Chloro-1,2,2-trifluoropropane		C3H4F3Cl										
N	C1-C4 Cat		70341-81-0	1,3-Dichloro-1,2,2,3-tetrafluoropropane		C3H2F4Cl2										
N	C1-C4 Cat		7051-34-5	Bromomethylcyclopropane												
N	C1-C4 Cat		7125-99-7	1,1-Dichloro-1,2,2-trifluoropropane		C3H3F3Cl2										
N	C1-C4 Cat		72101-30-5	Propane, bromotrifluoro-	B059590000											
N 2012 No	C1-C4 Cat		75-11-6	Methane, diiodo-	Methylene iodide	CH2I2				y						Used to make X-ray contrast media; [Merck Index] Used in organic synthesis; [Hawley] Used to determine refractive indices of minerals and to separate minerals based on density; [Ullmann]
N 2012 No	C1-C4 Cat		75-47-8	Methane, triiodo-	Iodoform	CHI3										Used as a disinfectant and veterinary antiseptic; [Merck Index, #5033]
N	C1-C4 Cat		75-61-6	Dibromodifluoromethane	Difluorodibromomethane	C-Br2-F2	Y									Used in Fire Extinguishers and as chemical intermediate
N	C1-C4 Cat		75-82-1	1,2-Dibromo-1,1-difluoroethane		C2H2Br2F2										
N	C1-C4 Cat		75995-72-1	1,1,1,2,3,4,4,4-Octafluorobutane		C4H2F8										
N	C1-C4 Cat		76-11-9	1,1,1,2-Tetrachloro-2,2-difluoroethane		C2F2Cl4										
N	C1-C4 Cat		76-12-0	1,1,2,2-Tetrachloro-1,2-difluoroethane		C2F2Cl4										
N	C1-C4 Cat		76140-39-1	1,3-Dichloro-1,1,3,3-tetrafluoropropane		C3H2F4Cl2										

\*C1-C4 Cat = would be part of the C1-C4 NOL category; Ind List = currently individually listed on TURA; List of chemicals and uses not comprehensive

TSCA CDR Inventory? TRI?	TURA Chemical List status*		CAS/Chemica I Number	Chemical Name	chemical name (synonyms)	chemical formula	Reported Uses (SOURCES:HAZMAP, NJDHSS, Wikipedia, TSCA CDR, mfr literature)									
		Solvent					Pesti- cide	refriger-ant	blowing agent	feedstock / intermed-iate	fire supressant / flame retardant	propell- ant	etchant	Other		
N	C1-C4 Cat		76-18-6	2-Chloro-1,1,1,2,3,3,3-heptafluoropropane		C <sub>3</sub> F <sub>7</sub> Cl										
N	C1-C4 Cat		76546-99-3	Hexachlorodifluoropropane		C <sub>3</sub> F <sub>2</sub> Cl <sub>6</sub>										
N	C1-C4 Cat		78-74-0	Ethane, 1,1,2-tribromo-	n/f	C2H3Br3									n/f	
N 2012 No	C1-C4 Cat		78-75-1	1,2-Dibromopropane	Propylene dibromide	C3H6Br2									Research chemical	
N 2012 No	C1-C4 Cat		79-27-6	1,1,2,2-Tetrabromoethane	Acetylene tetrabromide	C2H2Br4	Y				Y				ore flotation agent [Wikipedia], solvent for fats, oils and waxes [PubChem], catalyst, and flame-proofing additive	
N	C1-C4 Cat		79-28-7	Ethene, tetrabromo-	Ethene, 1,1,2,2-tetrabromo-; Tetrabromoethene; tetrabromoethylene;	C2-Br4									Used in organic synthesis; [Hawley]	
N	C1-C4 Cat		79-35-6	1,1-Dichloro-2,2-difluoroethylene		C <sub>2</sub> Cl <sub>2</sub> F <sub>2</sub>										
N	C1-C4 Cat		811-95-0	1,1,2-Trichloro-1-fluoroethane		C <sub>2</sub> H <sub>2</sub> FCl <sub>3</sub>										
N	C1-C4 Cat		821-06-7	2-Butene, 1,4-dibromo-, (2E)-	trans-1,4-Dibromobut-2-ene	C4H6Br2		n/f							n/f	
N 2012 No	C1-C4 Cat		96-11-7	1,2,3-Tribromopropane	Glycerol tribromohydrin	C3H5Br3		n/f							n/f	
N	C1-C4 Cat		n/f	Propane, dibromopentafluoro-	D01820000											
N	C1-C4 Cat		n/f	Fluorotetrabromoethane	F034300000											
Y	Ind List		106-93-4	1,2-Dibromoethane	Ethylene dibromide	C2H4Br2	Y	Y			y				Used as a fumigant, a solvent, a scavenger for lead in leaded gasoline, and an intermediate in organic synthesis; no longer used in the United States as a soil or grain fumigant; [ACGIH]	
CDR 2015	Ind List		106-94-5	n-propyl bromide	1-bromopropane		y								cleaning solvent note: added to TURA list, then subsequently added to TRI	
Y	Ind List		107-05-1	Allyl chloride	1-Chloroprop-2-ene	C3H5Cl					y				Used in the manufacture of organic chemicals; [ACGIH]	
	Ind List		107-06-2	1,2-Dichloroethane	Ethylene dichloride	C2H4Cl2	Y	Y			y				Used in organic synthesis; used in the past as a solvent, degreaser, paint remover, and fumigant; [ACGIH] Has been used as a dry cleaning agent and solvent for degreasing, resins, adhesives, coasmetics, and pharmaceuticals; [HSDB]	
TRI/CDR	Ind List		110-57-6	trans-1,4-Dichloro-2-butene	trans-1,4-Dichlorobutene	C4H6Cl2		Y			y				Used to produce pesticides and other chemicals; Also used as a nematocide; [HSDB]	
TRI/CDR	Ind List		116-14-3	Ethene, tetrafluoro-	Tetrafluoroethylene	C2F4					y				Used to produce polytetrafluoroethylene polymers (Teflon); [ACGIH]	
TRI	Ind List		124-73-2	Dibromotetrafluoroethane	Halon 2402	C2Br2F4			y			y			Refrigerant, fire-extinguishing agent, control fluid; [HSDB]	
Y	Ind List		126-99-8	Chloroprene	2-CHLOR-1,3-BUTADIENE	C4H5Cl					y				Used to manufacture synthetic rubber (neoprene and polychloroprene latex); [ACGIH]	
Y	Ind List		127-18-4	Tetrachloroethylene	Perchloroethylene	C2Cl4	Y				y				Primary dry cleaning solvent being used today; [Ladou, p. 510] Used in dry cleaning, metal degreasing, as a chemical intermediate, and in typewriter correction fluids; [HSDB]	
N	Ind List		142-28-9	1,3-Dichloropropane	Trimethylene dichloride	C3H6Cl2									No known commercial production or sale in the US in 2000; [HSDB]	
Y	Ind List		156-60-5	trans-1,2-Dichloroethylene	trans-Acetylene dichloride	C2H2Cl2	Y		y	Y	y				used in MicroCare PowerClean II PW2 electronics applications solvent (replacement for nPB) <a href="http://www.microcare.com/p-64-powerclean.aspx">http://www.microcare.com/p-64-powerclean.aspx</a> ; Used as a solvent and chemical intermediate; [ACGIH] Used as a refrigerant, degreaser, dry cleaning agent, and solvent for perfumes, adhesives, lacquers, oils, and resins; [HSDB] 2016 CDR reported cleaning and degreasing solvent, blowing agent/propellant, processing/incorporating into formulation, mixture or reaction product Arkema markets as Transcend® additive technology to improve foams; can be added to HFC and HFO foam formulations to create unique foam products, delivers improved compatibility of blowing agents and polyols as well as reduced viscosity for improved flow.	
TRI/CDR/P2	Ind List		1717-00-6	1,1-Dichloro-1-fluoroethane	HCFC-141b	C2H3Cl2F	Y		y	y					Used for foam blowing, cleaning solvent, and refrigerant gas; [HSDB] Used to degrease and to clean soldering flux from printed circuit boards; [AIHA]	
Y	Ind List		26952-23-8	Dichloropropene	Dichloropropylene	C3H4Cl2	Y	Y							Various mixtures of dichloropropenes are used as fumigants applied to the soil before crops are planted; Preplant for nematode, disease, insect control on a variety of crops.; Oil and fat solvent; USED ALONE OR IN COMBINATION WITH CHLOROPICRIN, METHYL ISOTHIOCYANATE, AND METHYL BROMIDE FOR SOIL TREATMENT BEFORE PLANTING OF MANY CROPS. MAJOR SPECIFIC USE SITES INCLUDE COTTON, POTATOES, SUGAR BEETS, TOBACCO, AND VEGETABLE CROPS. [HSDB]	
Y - being phased out	Ind List		2837-89-0	2-Chloro-1,1,1,2-tetrafluoroethane	HCFC-124	C2HClF4			y	y					Used as a foam blowing agent and refrigerant; [eChemPortal: SIDSUNEP] See note at bottom of sheet re: exemption for use of HCFC-124 in inventory as of Jan 2015 as a sterilant for testing biological indicators.	
TRI/CDR/P2	Ind List		2837-89-0	2-Chloro-1,1,1,2-tetrafluoroethane		C <sub>2</sub> HF <sub>4</sub> Cl										

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TSCA CDR Inventory? TRI?	TURA Chemical List status*		CAS/Chemica I Number	Chemical Name	chemical name (synonyms)	chemical formula	Reported Uses (SOURCES:HAZMAP, NJDHSS, Wikipedia, TSCA CDR, mfr literature)									
		2015 Tier II					Solvent	Pesti- cide	refriger-ant	blowing agent	feedstock / intermed-iate	fire supressant / flame retardant	propell- ant	etchant	Other	
TRI/CDR/P2	Ind List		306-83-2	2,2-Dichloro-1,1,1-trifluoroethane	HCFC-123	C2HCl2F3	Y		y	y		y			Used as a refrigerant in air conditioners, a fire extinguisher, a foam blowing agent, and a metal cleaner; [HSDB] Developed as a chlorofluorocarbon replacement; [AIHA]	
TRI	Ind List		354-23-4	1,2-Dichloro-1,1,2-trifluoroethane	HCFC-123a	C2HCl2F3									Drug/Anesthetic (RTECS)	
TRI/CDR/P2	Ind List		354-25-6	1-Chloro-1,1,2,2-tetrafluoroethane	HCFC-124a	C2HClF4	Y		y	y		y			Used as alternatives to CFCs in applications such as refrigerants, blowing agents, cleaning agents, and fire extinguishers; [HSDB]	
TRI/CDR/P2	Ind List		422-56-0	3,3-Dichloro-1,1,1,2,2-pentafluoropropane	HCFC-225ca	C3HCl2F5	y								Cleaning agent replacement for CFC 113 -HCFC-225 banned from mfr and import into US effective Jan 1, 2015 ozone depleter; see note at bottom of sheet re: exemption for material in inventory used as solvent	
TRI/CDR/P2	Ind List		507-55-1	1,3-Dichloro-1,1,2,2,3-pentafluoropropane	HCFC-225cb	C3HCl2F5	y								Cleaning agent replacement for CFC 113. -HCFC-225 banned from mfr and import into US effective Jan 1, 2015 ozone depleter; ; see note at bottom of sheet re: exemption for material in inventory used as solvent	
CDR/TRI/P2	Ind List		540-59-0	1,2-Dichloroethylene	mixed cis- and trans- isomers of 1,2- dichloroethylene	C2H2Cl2	Y		y	y	y				Used as a solvent and chemical intermediate; [ACGIH] Used as a refrigerant, degreaser, dry cleaning agent, and solvent for perfumes, adhesives, lacquers, oils, and resins; [HSDB] 2016 CDR reported as intermediate,	
N	Ind List		542-75-6	1,3-Dichloropropylene	1,3-Dichloropropene	C3H4Cl2		Y			y				Used as a soil fumigant and in organic synthesis; [ACGIH]	
TRI/CDR/P2	Ind List		56-23-5	Carbon tetrachloride	Tetrachloromethane	CCl <sub>4</sub>	Y	Y			y				Used in the past as dry-cleaning agent and fumigant; Currently used as a chemical intermediate and in small amounts as a spot cleaner; [ACGIH; LaDou, p. 510] Has been used as a metal degreaser, cleaning agent in the semiconductor industry, and a solvent for lacquers, oils, and resins; [HSDB]	
Y	Ind List		563-47-3	3-Chloro-2-methyl-1-propene	Isobutenyl chloride	C4H7Cl		Y			y				Used to make insecticides, plastics, pharmaceuticals, and other chemicals; Also used as a fumigant for grains, tobacco, and soil; [Hawley]	
TRI/CDR/P2	Ind List		67-66-3	Chloroform	Methane, trichloro-	CHCl3	Y		y		y				Has been used mainly for extraction and spot cleaning; [LaDou, p. 510] Used mainly in production of chlorodifluoromethane; [CHEMINFO] Uses have included dry cleaning agent and solvent for resins, plasticizers, rubber chemicals, and flavors; [HSDB] It is used as a solvent and to make refrigerants, resins, and plastics. It is no longer used as an anesthetic. [NJDHSS]	
TRI/CDR/P2	Ind List		67-72-1	Hexachloroethane	Perchloroethane	C2Cl6									Used by the military to make "smoke bombs" and by industry to remove air bubbles from molten aluminum; no longer produced in the United States; [ATSDR ToxFAQs]	
TRI/CDR/P2	Ind List		71-55-6	1,1,1-Trichloroethane	Methyl chloroform	C2H3Cl3 or CH3CCl3	Y				y				Used for degreasing, cleaning, and thinning; [LaDou, p. 510] Used in photography (film cleaner); [www.ci.tucson.az.us/arthazards/medium.html]; as a solvent and spot cleaner, and in making other chemicals.	
Y	Ind List		74-83-9	Bromomethane	Methyl bromide	CH3Br		Y			Y				Used as a fumigant, and in the synthesis of organic chemicals; no longer used as a refrigerant or fire extinguisher; [ACGIH]	
TRI/CDR/P2	Ind List		74-87-3	Chloromethane	Methane, chloro-, Methyl chloride	CH3Cl					Y				Methyl chloride is used as a methylating agent in the synthesis of many organic chemicals. [ACGIH]	
Y	Ind List		74-88-4	Methyl iodide	Monoiodomethane	CH3I		Y			y				Used as a methylating agent; used in microscopy because of its high refractive index; [ACGIH] (soil fumigant for strawberries and tomatos)	
Y	Ind List		74-95-3	Methylene bromide	Dibromomethane	CH2Br2	Y				y				Used as a chemical intermediate and a solvent for fats, waxes, and resins; [HSDB]	
TRI/CDR/P2	Ind List		75-00-3	Chloroethane	Ethane, chloro-, Ethyl chloride	C2H5Cl	Y				y		y		Used as an intermediate in organic synthesis, a solvent, an alkylating agent, a propellant in aerosols, and an anesthetic; [ACGIH]	
TRI/CDR/P2	Ind List		75-01-4	Vinyl chloride	Ethene, chloro-	C2H3Cl					y				The highest exposures to vinyl chloride occurred in polyvinyl chloride polymerization plants during reactor vessel cleaning. [LaDou, p. 478]	
TRI/CDR/P2	Ind List		75-02-5	Ethene, fluoro-	Vinyl fluoride	C2H3F					y				Used to produce polyvinyl fluoride, a polymer noted for its strength and weather resistance; [Hawley]	
TRI/CDR/P2	Ind List		75-09-2	Dichloromethane	Methylene chloride	CH2Cl2	Y	Y		y			y		Used as a paint stripper and an extraction solvent; [LaDou, p. 510] Also used as a blowing agent for polyurethane foam and a propellant for insecticides; [ATSDR Medical Management] No longer used as a fumigant in the U.S. [EPA Pesticides]	
TRI/CDR/P2	Ind List		75-34-3	Ethylidene Dichloride	1,1-Dichloroethane	C2H2Cl2.	Y	Y			y				Used as a chemical intermediate, grain fumigant, and solvent for plastics and oils; in the past, used as an anesthetic; [ACGIH]	
Y	Ind List		75-35-4	Vinylidene chloride	1,1-Dichloroethylene, Ethene, 1,1-dichloro-	C2H4Cl2					y				Used as co-monomer in production of polymers for coatings, films, lacquer resins, and flame resistant binders in carpet backing; [ACGIH]	
TRI/CDR/P2	Ind List		75-45-6	Chlorodifluoromethane	HCFC-22; R-22	CHClF <sub>2</sub>			y						used as refrigerant; US use mostly phased out under Montreal Protocol; used in many refrigerant blends, incl. R-401, R-402, R-403, R-406, R-408, R-409, R-411 and R-414 blends, see <a href="https://www.epa.gov/snap/compositions-refrigerant-blends">https://www.epa.gov/snap/compositions-refrigerant-blends</a> ; e.g., used in R-408a blend (47% R-22, 7% R-125, 46% R-143a)	
TRI/CDR/P2	Ind List		75-68-3	1-Chloro-1,1-difluoroethane	HCFC-142b	C <sub>2</sub> H <sub>3</sub> F <sub>2</sub> Cl										
TRI/CDR	Ind List		75-88-7	1-Chloro-2,2,2-Trifluoroethane	HCFC-133a	C <sub>2</sub> H <sub>2</sub> F <sub>3</sub> Cl										

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TSCA CDR Inventory? TRI?	TURA Chemical List status*	2015 Tier II	CAS/Chemical Number	Chemical Name	chemical name (synonyms)	chemical formula	Reported Uses (SOURCES:HAZMAP, NJDHSS, Wikipedia, TSCA CDR, mfr literature)									
							Solvent	Pesticide	refrigerant	blowing agent	feedstock / intermediate	fire suppressant / flame retardant	propellant	etchant	Other	
TRI/CDR/P2	Ind List		76-01-7	Pentachloroethane	Ethane pentachloride	C2HCl5	Y	Y							Used as a metal degreaser, dry cleaning agent, fumigant, and timber drying agent; also used as a solvent for chemicals, resins, and gums; [HSDB]; It is used as a solvent for oil and grease, in metal cleaning, and in the separation of coal from impurities.	
TRI/CDR/P2	Ind List		76-13-1	Freon 113	1,1,2-Trichloro-1,2,2-trifluoroethane; Ethane, 1,1,2-trichloro-1,2,2,-trifluoro	C2Cl3F3	Y		y		y				CFC-113 has been used as a solvent (degreasing and dry cleaning), refrigerant, heat transfer liquid, and chemical intermediate; [ACGIH]	
TRI/CDR/P2	Ind List		76-14-2	Dichlorotetrafluoroethane	CFC-114	C2Cl2F4	Y		y				y		Used as a propellant, refrigerant, and solvent. [ACGIH]	
Y	Ind List		764-41-0	1,4-Dichloro-2-butene	2-Butene, 1,4-dichloro-	C4H6Cl2					y				Used as an intermediate in chemical manufacturing; [HSDB]	
Y	Ind List		78-87-5	1,2-Dichloropropane	Propane 1,2-dichloro-	C3H6Cl2	Y	Y							Propylene dichloride is used as a solvent for many different purposes. [ACGIH] Used as a solvent in plastics, resins, fats & oils, metal degreasing, rubber processing, and dry cleaning; Used in past as a soil fumigant; [HSDB]	
N	Ind List		78-88-6	2,3-Dichloropropene	2-Chloroallyl chloride	C3H4Cl2		Y			y				Soil fumigant; [ChemIDplus] A copolymer and chemical intermediate in agricultural and pharmaceutical products; [HSDB]	
TRI/CDR/P2	Ind List		79-00-5	1,1,2-Trichloroethane	Vinyl trichloride	C2H3Cl3	Y				y				Used primarily for synthesis of vinylidene chloride; also used as a solvent in pharmaceutical manufacturing; [ACGIH] Used in lacquers, adhesives, and resins; [HSDB]	
TRI/CDR/P2	Ind List		79-01-6	Trichloroethylene	1,2,2-Trichloroethylene	C2HCl3	Y								Used extensively from 1920s through 1970s as a degreaser in metal fabrication, but use declined because of concerns about environmental pollution and cancer; TCE used in about 50% of vapor degreasing in 1970s and about 33% in 1980s. Increased EPA regulations in 1990s further limited its use. Other industries using TCE: dry cleaning, textile, electronics, leather, and rubber; Also used in adhesives, drugs, paints, and inks; [Reference #2]	
TRI/CDR/P2	Ind List		79-34-5	1,1,2,2-Tetrachloroethane	Acetylene tetrachloride	C2H2Cl4	Y				y				Used in synthesis of organic chemicals; used in the past as a solvent for degreasing and extracting; [ACGIH]	
Y	Ind List		96-18-4	1,2,3-Trichloropropane	Trichlorohydrin	C3H5Cl3	Y				y				Used as a curing agent for polysulfides and a chemical intermediate; [ACGIH] Used as a degreaser, paint remover, and solvent for resins, waxes, and oils; [HSDB]	
N	Ind List		10061-02-6	trans-1,3-Dichloropropene	trans-3-Chloroallyl chloride	C3H4Cl2		Y			y				Used as a soil fumigant and in organic synthesis; [ACGIH]	
N	Ind List		111512-56-2	1,1-Dichloro-1,2,3,3,3-pentafluoropropane	HCFC-225eb	C3HCl2F5									n/f	
N	Ind List		124-48-1	Chlorodibromomethane	Monochlorodibromomethane	CHBr2Cl		Y	y		y	y	y		Used to make other organic chemicals (fire extinguishing agents, aerosol propellants, refrigerants, and pesticides); [HSDB] It is also used for the preparation of phenyldibromochloromethylmercury, which has been used for the generation of bromochlorocarbene. [IARC]	
N	Ind List		127564-92-5	Dichloropentafluoropropane	n/f	C3HCl2F5									n/f	
N	Ind List		128903-21-9	HCFC-225aa	2,2-DICHLORO-1,1,1,3,3,3-PENTAFLUOROPROPANE	C3HCl2F5									n/f	
TRI	Ind List		13474-88-9	1,1-Dichloro-1,2,2,3,3-pentafluoropropane	HCFC-225cc	C3HCl2F5									n/f	
TRI	Ind List		136013-79-1	1,3-Dichloro-1,1,2,3,3-pentafluoropropane	HCFC-225ea	C3HCl2F5									n/f	
TRI	Ind List		1649-08-7	1,2-Dichloro-1,1-difluoroethane	HCFC-132b	C2H2Cl2F2									A potential substitute for some ozone depleting chlorofluorocarbons; [HSDB]	
N	Ind List		1888-71-7	Hexachloropropene	Perchloropropene	C3Cl6	Y								Used as a solvent, plasticizer, hydraulic fluid component, and to make uranium tetrachloride; [HSDB]	
N	Ind List		26638-19-7	Dichloropropane	Propane dichloride	C3H6Cl2	Y	Y							Solvent for pesticide formulations.	
N	Ind List		34077-87-7	Dichlorotrifluoroethane	HCFC 123; R-123 2,2-Dichloro-1,1,1-Trifluoroethane	C2HCl2F3			y	y		y			The HCFCs are used as alternatives to CFCs in applications such as refrigerants, blowing agents, cleaning agents, and fire extinguishants. /HCFCs/; HCFC-123 /1,1-dichloro-2,2,2-trifluoroethane/ is used as an alternative to CFC-11.	
TRI/P2	Ind List		353-59-3	Bromochlorodifluoromethane	Halon 1211	CBrClF2			y			y			It is used as a refrigerant. [NJDHSS] used as fire suppressant	
TRI	Ind List		354-11-0	1,1,1,2-Tetrachloro-2-fluoroethane	HCFC-121a	C2HCl4F									n/f	
TRI	Ind List		354-14-3	1,1,2,2-Tetrachloro-1-fluoroethane	HCFC-121	C2HCl4F	Y		y	y					The HCFCs are one class of chemicals being used to replace the CFCs. ... CFCs are commonly used as refrigerants, solvents, and foam blowing agents. /HCFC/ [HSDB]	
TRI	Ind List		422-44-6	1,2-Dichloro-1,1,2,3,3-pentafluoropropane	HCFC-225bb	C3HCl2F5									n/f	
TRI	Ind List		422-48-0	2,3-Dichloro-1,1,1,2,3-pentafluoropropane	HCFC-225ba	C3HCl2F5									n/f	

\*C1-C4 Cat = would be part of the C1-C4 NOL category; Ind List = currently individually listed on TURA; List of chemicals and uses not comprehensive

TSCA CDR Inventory? TRI?	TURA Chemical List status*		CAS/Chemica I Number	Chemical Name	chemical name (synonyms)	chemical formula	Reported Uses (SOURCES:HAZMAP, NJDHSS, Wikipedia, TSCA CDR, mfr literature)									
		2015 Tier II					Solvent	Pesti- cide	refriger-ant	blowing agent	feedstock / intermed-iate	fire supressant / flame retardant	propell- ant	etchant	Other	
TRI	Ind List		431-86-7	1,2-Dichloro-1,1,3,3,3-pentafluoropropane	HCFC-225da	C3HCl2F5										n/f
TRI	Ind List		460-35-5	3-Chloro-1,1,1-trifluoropropane	HCFC-253fb	C3H4ClF3										n/f
N 2012 No	Ind List		593-60-2	Ethene, bromo-	Vinyl bromide	C2H3-Br					y	y				Used primarily in the production of flame-retardant polymers; [ACGIH]; It is used as an intermediate in organic synthesis, in making plastics, and in the production of flame resistant polymers.
TRI/CDR/P2	Ind List		630-20-6	1,1,1,2-Tetrachloroethane	Ethane, 1,1,1,2-tetrachloro-	C2H2Cl4	Y				y					Used to make other organic chemicals; [ATSDR ToxFAQs] Used as a solvent; [HSDB]
N	Ind List		63938-10-3	Chlorotetrafluoroethane, mixed isomers		C2HClF4			y	y		y				The HCFCs are used as alternatives to CFCs in applications such as refrigerants, blowing agents, cleaning agents, and fire extinguishants /HCFCs/ Note: HCFC 124 is 2-chloro-1,1,1,2-tetrafluoroethane isomer
	Ind List		75-25-2	Bromoform	Tribromomethane											
	Ind List		75-27-4	Dichlorobromomethane												
TRI	Ind List		75-43-4	Dichlorofluoromethane		CHFCl <sub>2</sub>										
TRI/P2	Ind List		75-63-8	Bromotrifluoromethane	Halon 1301	CF <sub>3</sub> Br										
TRI/P2	Ind List		75-69-4	Trichlorofluoromethane		CCl <sub>3</sub> F										
TRI/P2	Ind List		75-71-8	Dichlorodifluoromethane	CFC-12; R-12; Carbon dichloride difluoride; Freon 12; P-12 Halon 122	CCl <sub>2</sub> F <sub>2</sub>			y					y		historically used as refrigerant and in aerosol sprays; phased out under Montreal Protocol as ozone-depleter; 26% of R-500 blend refrigerant (with R-152a); no longer manufactured but are still used in a variety of systems, and service refrigerant is sometimes still available in reclaimed form (including in the the US). In countries operating under “Article 5” provisions of the Montreal protocol agreement, CFCs in virgin form are still available, although these countries are now beginning to implement CFC phase-outs.
TRI/P2	Ind List		75-72-9	Chlorotrifluoromethane	CFC-13	CClF3			y						y	Used as a refrigerant, coolant, dielectric, metal hardener, and etching gas; [HSDB]
TRI/P2	Ind List		76-15-3	Monochloropentafluoroethane	CFC-115	C2ClF5			y					y		CFC-115 has been used as a refrigerant and aerosol propellant; [ACGIH]
N	Ind List		78-99-9	1,1-Dichloropropane	Propylidene chloride	C3H6Cl2	Y	Y								Solvent for pesticide formulations
N	Ind List		8003-19-8	Dichloropropane - Dichloropropene (mixture)	Nemafene	C3H6Cl2.C3H4Cl2		Y								The mixture is a pre-plant nematocide effective against nematodes incl root knot, meadow, sting and dagger, spiral and sugar beet nematodes. /Former use/
TRI	Ind List		812-04-4	1,1-Dichloro-1,2,2-trifluoroethane	HCFC-123b	C2HCl2F3										The HCFCs are used as alternatives to CFCs in applications such as refrigerants, blowing agents, cleaning agents, and fire extinguishants /HCFCs/
Y	Ind List		87-68-3	Hexachloro-1,3-butadiene	Hexachlorobutadiene	C4Cl6	Y	Y								Used as a solvent, heat transfer liquid in transformers, and hydraulic fluid; produced as a byproduct of hydrocarbon chlorination processes; [ACGIH] Used as a fumigant in parts of Europe against Phyloxera on grapes; [HSDB]
N	Ind List		90454-18-5	Dichloro-1,1,2-trifluoroethane mixed isomers	HCFC-123	C2HCl2F3										The HCFCs are used as alternatives to CFCs in application such as refrigerants, blowing agents, cleaning agents, and fire extinguishants /HCFCs/
N	Ind List		96-12-8	1,2-Dibromo-3-chloropropane	DBCP	C3H5Br2Cl		Y								Fumigants (Restricted) All uses except on pineapple plantations in Hawaii canceled in 1979; use on pineapples cancelled in 1985; See 29CFR1910.1044;
Note: Category chemical list not exhaustive ; highlighted rows are substances reported to be currently in commerce and would be part of C1-C4 Category																

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