

Table with 25 columns: #, Common Abbreviation, Common Chemical Name, CAS No., Individual Chem Listed on TURA, Chemical Name (Synonyms), Chemical Formula, Structure, Carbon Chain Length, Molecular Weight, Viscosity, Physical State, Vapor Pressure, PBT, IARC, Neurotoxicity, Health Effects, Reproductive/Developmental Toxicity, Target Organ, LD50, LC50, Flash Point, Reactivity, Types of Data Available, Other R-phrases, H-Statements, and Metabolites. Rows include chemicals like DIPP, n-pentyl-isopentylphthalate, DNHP, Diisohexyl phthalate, Hexyl 2-ethylhexyl phthalate, Bis(2-n-butoxyethyl) phthalate, DCHP, Diphenyl phthalate, Bis(4-methyl-2-pentyl) phthalate, Di-C6-10-phthalate, Diisohexyl phthalate, 610P, Diheptyl phthalate, Benzyl phthalate, Benzyl 2,2-dimethyl-1-isopropyl-3-(2-methyl-1-oxopropoxy)propyl phthalate, Di-C7-9-phthalate, 1-methyl-2-[(2-methyl-1-oxoalkyl)oxy]ethyl hydrogen phthalate, and Bis(methylcyclohexyl) phthalate.

#	Common Abbrev.	Common Chemical Name	CAS No.	Individual Chem Listed on TURA	Chemical Name (Synonyms)	Chemical Formula	Structure	Carbon Chain Length [Table 3 Tox Data Summary PE ACC 2001; T = Transitional Group = >= 10% C4-C6]	Molecular Weight (mainly from ChemID Plus)	Viscosity in Centistokes (or otherwise noted) @ 20 deg C. (HSDB, RTECS, CICA, CHRIS, etc...)	Physical State at Room Temperature (HSDB, RTECS, CICA, CHRIS, etc...)	Vapor Pressure mmHg at -20C (HSDB, MSDS, ICSC)	PBT (from www.pbtprofiler.net) Part of mixture not recommended for profiling ** May be no effect at saturation (Water solubility)	IARC	Neurotoxicity (Score card)	Other recognized (R) or suspected health effects (Scorecard/MSDS/TEDX)	Reproductive/Developmental Toxicity (On Prop 65 List?)	Target Organ (HAZMAP)			LD50 (ChemID Plus, RTECS)	LC50 (ChemID Plus, RTECS)	Flash Point (HSDB, MSDS, ICSC, CHRIS)	Reactivity (ICSC, MSDS, HSDB)	TYPES OF DATA AVAILABLE in REACH Reg DB (searched only for selected substances)	Other R-phrases & H-Statements (REACH Registration Database) [Also see Repro column]	H-Statements (CLP Database) [Also see Repro column]	Metabolites (CDC, HSDB)
																		Wat	Soil	Sediment								
47	B79P	1,2-Benzenedicarboxylic acid, benzyl C7-9- branched and linear alkyl esters	68515-40-2	No	Benzyl C7-9- branched and linear alkyl phthalates	Unspecified		C10-C13 [C6, C7-9 - HMW]	549.811	n/f	Liquid [UCLID]	1.8x10-6 mm Hg @ 25C [est] [EPA]	Water: *15 Soil: *30 Sediment: *140 Air: *2.3 BCF: *3.2 Fish ChrV: *2.5	n/f	N	(N)	(N)	N/F	N/F	N/F	Oral, rat, >15,800 mg/kg bw [UCLID, RTECS]	n/f	229 deg C (444.2F) c.c. [UCLID]	n/f	Acute Tox, Irr, Sens, Rep Dose Tox, Gen Tox, Carc (read across data), Repro/Dev tox	No phrases/statements found in database	No available harmonized data	
48	DUP	Diundecyl phthalate	3648-20-2	No	Phthalic acid, diundecyl ester	C30-H50-O4		C11	474.721	70 mPa [HSDB]	Solid or Liquid [HSDB/CHRIS]	1.22x10-9 @ 25 deg C (est) [HSDB]	15 30 140 0.54 21 NE	n/f	N	(N); limited animal evidence for repro/develop tox [CPSC 2010c]	May cause in high doses	Y; sufficient animal evidence [CPSC 2010c]	Eye Irr	Rat, oral > 15000mg/kg [HSDB]	rat, inh >6,040 mg/m3/6h [RTECS]	489F O.C. [UCLID]	when heated to decomp it emits acrid smoke and fumes [HSDB]	Acute tox (oral/inh/derm), Irr/Corr, Sens, Gen tox, Carc, Repro/develop	No phrases/statements found in database	No available harmonized data		
49	DIUP	Diundecyl phthalate, branched and linear	85507-79-5	No	1,2-Benzenedicarboxylic acid, diundecyl ester, branched and linear; Disoundecyl phthalate	Unspecified; C30H50O4 [ONLINE]		C12 & C11 (branched with double bond) [C11 - HMW]; C5, C6; C9, C10, C12 longest chains	488.748	151 mPa S (dynamic) [RR]	Liquid [HAZMAP]	8E-08 mmHg [HAZMAP]	38 75 340 0.5 14 NE	n/f	N	(N); HAZMAP [EPA CHAMP - may have been read across]; CPSC and NICNAS did not identify specific DIUP studies	N	Y	Reproductive Toxin [HAZMAP] likely read-across	Oral, rat, >15000 mg/kg [UCLID]	Inh, rat > 1,800 mg/m3/6h [HAZMAP]	> 200 F [HAZMAP]	Low degree of flammability [RR]	Acute Tox, Sens, Gen Tox, Repro; nearly all data is read-across	No phrases/statements found in database	Not classified		
50		Di-n-dodecyl phthalate	2432-90-8	No	Phthalic acid, didodecyl ester	C32-H54-O4		C12	502.775	n/a	Liquid	n/a	15 30 140 0.5 28 NE	n/f	n/f	(N)	(N)	n/f	n/f	may cause eye/skin/resp irritation	Unreported rat & mouse >50,000 mg/kg [RTECS]	n/a	174 deg F [MSDS]	Incompatibilities with other materials: Oxidizing agents; Hazardous decomposition products: irritating and toxic fumes and gases, acrid smoke and fumes. [MSDS-Online]	No results found in database	No available data		
51	DTDP	1,2-Benzenedicarboxylic acid, di-C11-14-branched alkyl esters, C13-rich	68515-47-9	No	C13-Rich di-C11-14-branched alkyl phthalates	Unspecified		C12 [C11-14 - HMW]; C10, C11, C12, C13 longest chain depends on mfr	560.898	n/f	Liquid [EPA]	3.63E-10 (Pa @ 25 deg C) [EPA]	*60 *120 *540 *0.67 *36 *NE	n/f	N	(N) Inadequate evidence for repro/develop tox [CPSC 2010e]	N/F	limited animal evidence [CPSC 2010e]	concern about small thymus effects; limited evid renal [CPSC 2010e]	Oral, rat, >10,000 mg/kg bw [NICNAS, RTECS]	n/f	274C (525.2F) @ 1013hPa [RR]	n/f	Acute Tox, Irr, Sens, Rep Dose Tox, Gen Tox, Carc (read across data), Repro/Dev tox	No phrases/statements found in database	Not classified		
52	DTDP	Di-tridecyl phthalate	119-06-2	No	Phthalic acid, di-tridecyl ester	C34-H58-O4		C13; C12 longest chain	530.828	190 cP @ 25 deg C [HSDB]	Liquid [RR]	2.51X10-11 mm Hg at 25 deg C (est) [HSDB]	15 30 140 0.46 9.2 NE	n/f	N	Endocrine [JNHS]	(N)	May cause in high doses	Y	N	oral, rat, >2000 mg/kg [RTECS]	n/f	470F o.c. [HSDB]; 490F c.c. [CHRIS]	Combustible when exposed to heat or flame; When heated to decomp it emits acrid smoke and irritating fumes. [HSDB]	No results found in database	Not classified		
53	DITDP	Diisotridecyl phthalate	27253-26-5	No	1,2-Benzenedicarboxylic acid, diisotridecyl ester (9C)	C34-H58-O4		C13 (branched with methyl group); C12 longest chain	530.92	233.0 mPa S at 20 °C [RR]	Liquid [RR]	< 0.0001 Pa at 38 °C [RR]	Data not found	n/f	n/f	(N)	NO	n/f	n/f	n/f	Oral, rat, 31,350 mg/kg [RTECS]	Data available - no deaths at >0.13 mg/L for 6h [RR]	254.7 °C at atmospheric pressure (490F) [RR]	The autoignition temperature was found to be 369 °C. The structure of the substance shows that the substance does not contain any chemical groups which could lead to a formation of a highly flammable gas in contact with air, vapour or water. Due to the structure of the substance pyrophoric properties could be excluded. The substance does not contain any chemical group which could lead to spontaneous ignition after contact with air at room temperature (20 °C). [RR]	Acute Tox, Sens, Gen Tox, Carc, Repro	EU H208	Not classified	
54		N,N-bis(1,4-dimethyl-7-(1-methyl-1-hydroxy-3-sulfonate-2-sulfonyloxyethyl)phthalate	36388-36-0	No	Phthalic acid, tetrahydrobis(1-methyl-1-hydroxy-3-sulfonate-2-sulfonyloxyethyl) alcohol diester	C48-H74-O4		C20 and C21 both chains contain 3 joined aliphatic rings	715.109	n/f	n/f	n/f	180 360 1,600 0.26 3.2 NE	n/f	n/f	(N)	NO	n/f	n/f	n/f	n/f	n/f	337.8°C (640F)[ONLINE]	n/f	No results found in database	Not classified		
55		tetramethylammonium hydrogen phthalate	79723-02-7	No	Methanaminium, N,N,N-trimethyl-, 1,2-benzenedicarboxylate (1:1)	C8-H5-O4-C4-H12-N		Quaternary salt with the N cation containing 4 methyl groups	239.269	n/f	Solid [MSDS]	< 0.00001 Pa @ 25 deg C [RR]	Data not found	n/f	n/f	(N)	NO	n/f	n/f	n/f	n/a	n/a	n/a	Avoid strong oxidizing agents, haz decomp products formed under fire conditions - carbon oxides, nitrogen oxides [MSDS]	Irr/Corr, Repeated Dose Tox	Acute Tox. 3 H301 Eye Irrit. 2 H319 STOT Rep. Exp. 2 H373 Aq Acute 1 H400	Acute Tox. 3 H301 STOT RE 2 H373	
56		O-methyl O-(1-methyl-2-methoxyloxy-ethyl)-1,2,3,6-tetrahydrophthalate	127244-43-3	No	n/f	n/f	No structure found in ChemID Plus	?	n/f	n/f	n/f	n/f	Data not found	n/f	n/f	(N)	NO	n/f	n/f	n/f	n/f	n/f	n/f	n/f	No results found in database	No results found		
57		Tetraammonium 5-(4-(7-azabicyclo[3.3.1]nonane-3-sulfonate-2-sulfonyloxy)phenyl)phthalate	CAS# in EXPLIB = NaN-30-5; EC # 405-130-5	?	n/f	n/f	No record found in ChemID Plus	?	n/f	n/f	Solid [RR]	n/f	n/f n/f n/f n/f n/f n/f	n/f	n/f	(N)	n/f	n/f	n/f	n/f	n/f	n/f	n/f	Toxicokinetics, metabolism and distribution	Skin Sens. 1 H317 R43	No results found		
58		n-octadecylaminediethyl hydrogen malate hydroxyphthalate reaction mass of n-octadecylaminediethyl bis(hydrogen malate)	EC# 405-960-8	?	n/f	n/f	No record found in ChemID Plus	?	n/f	n/f	n/f	n/f	Data not found	n/f	n/f	(N)	NO	n/f	n/f	n/f	n/f	n/f	n/f	n/f	No results found in database	Skin Sens. 1 H317 Aquatic Chronic 2 H411		
59		n-pentyl isopentylphthalate	776297-69-9		n/f	n/f									n/f		(N)	NO										
60	DHNUP	1,2-Benzenedicarboxylic acid, di-C7-11 - branched and linear alkyl esters or Diheptyl, nonyl, undecyl phthalate, mixed isomers	88515-42-4		n/f	n/f									n/f		(N); Repr. 1B H360Df Repr. Cat. 2; R61 Repr. Cat. 3; R62											

Key: N or NO = not on list or in database for this endpoint; n/a = not available; NE = Not estimated; n/f = not found; ACC = American Chemistry Council; ACGIH = American Conference of Governmental Industrial Hygienists; ATSDR = Agency for Toxic Substances and Disease Registry; CAS = Chemical Abstract Service; CDC = U.S. Centers for Disease Control; CERHR = Center for the Evaluation of Risks to Human Reproduction; ChemID Plus or CIDP = U.S. National Library of Medicine Toxnet database; CHRIS = Chemical Hazard Response Information System; CICA = Concise International Chemical Assessment Documents from WHO = World Health Organization; CLP = ECHA Classification, Labelling and Packaging database; CPSC = Consumer Product Safety Commission; DAN = Nordic Council of Ministers and Danish National Institute of Occupational Health; ECHA = European Chemicals Agency; EPA = (US) Environmental Protection Agency; EPA-CHAMP = (US) Environmental Protection Agency's Chemical Assessment and Management Program; Espub = Expert Publishing; GCI = Green Chemistry and Commerce Council; HAZMAP = U.S. National Library of Medicine, Information on Hazardous Chemicals and Occupational Diseases; HMIS = Hazardous Materials Information System; IARC = International Agency for Research on Cancer; ICSC = International Chemical Safety Card; IRIS = Integrated Risk Information System; IUCLID = International Uniform Chemical Information Database; JNHS = Japanese National Institute of Health Sciences; MSDS = Material Safety Data Sheet; NICNAS = (Australia's) National Industrial Chemicals Notification and Assessment Scheme; NIOSH = National Institute for Occupational Safety and Health Pocket Guide; NOAEL = No Observed Adverse Effect Level; NTP = National Toxicology Program; OEHHA = (CA) Office of Environmental Health Hazard Assessment; Online = Found on vendor website or other online resource; Patty's = Patty's Toxicology, 6th edition; PBT = Persistent, Bioaccumulative, & Toxic; PE = Phthalate Ester; Prop 65 = CA Proposition 65 List of Carcinogenic, Reproductive and Developmental Toxicants; REPROTOX = reproductive effects database in ExPub; RRD or RR = REACH Registration Database; RTECS = Registry of Toxic Effects of Chemical Substances; TDS = Technical Data Sheet; TEDX = The Endocrine Disruption Exchange; TURA = Toxics Use Reduction Act.