

REGOLAMENT	SOSTANZA	CAS	IS CFACTS
PIC INDUSTR.	1,1,1,2-Tetrachloroethane	630-20-6	
PIC INDUSTR.	1,1,1-Trichloroethane	71-55-6	
PIC INDUSTR.	1,1,2,2-Tetrachloroethane	79-34-5	
PIC INDUSTR.	1,1,2-Trichloroethane	79-00-5	
PIC INDUSTR.	1,1-Dichloroethene (VINYLIDENE CHLORIDE)	75-35-4	si
PIC INDUSTR.	2-naphthylamine and its salts	91-59-8	
PIC INDUSTR.	4-aminobiphenyl and its salts	92-67-1	
PIC INDUSTR.	4-nitrobiphenyl	92-93-3	
PIC INDUSTR.	Asbestos fibres	77536-66-4	
PIC INDUSTR.	Asbestos fibres: Chrysotile	601-650-3	
PIC INDUSTR.	Benzene	71-43-2	
PIC INDUSTR.	<i>Benzidine, its salts and benzidine derivatives</i>		
PIC INDUSTR.	3,3'-dichlorobenzidine	91-94-1	
PIC INDUSTR.	Benzidine sulphate	21136-70-9	
PIC INDUSTR.	Benzidine	92-87-5	
PIC INDUSTR.	3,3'-dimethoxybenzidine	119-90-4	
PIC INDUSTR.	4,4'-bi-o-toluidine	119-93-7	
PIC INDUSTR.	Benzidine dihydrochloride	531-85-1	
PIC INDUSTR.	[[1,1'-biphenyl]-4,4'-diyl]diammonium sulphate	531-86-2	
PIC INDUSTR.	N,N'-diphenylbenzidine	531-91-9	
PIC INDUSTR.	3,3'-dichlorobenzidine dihydrochloride	612-83-9	
PIC INDUSTR.	[1,1'-biphenyl]-4,4'-diamine, reaction products with	1326-43-8	
PIC INDUSTR.	[1,1'-biphenyl]-4,4'-diamine, reaction products with	1326-63-2	
PIC INDUSTR.	Acetamide, N-(2-methylphenyl)-, reaction products with	1326-73-4	
PIC INDUSTR.	[1,1'-biphenyl]-4,4'-diamine, reaction products with	1326-75-6	
PIC INDUSTR.	Disodium 8,8'-[[1,1'-biphenyl]-4,4'-diylbis(azo)]tetracarboxylate	2302-97-8	
PIC INDUSTR.	Benzidine acetate (3,3'-DICHLOROBENZIDINE)	36341-27-2	
PIC INDUSTR.	3,3',5,5'-tetramethylbenzidine	54827-17-7	

PIC INDUSTR.	3,3',5,5'-tetramethyl[1,1'-biphenyl]-4,4'-diamine d	64285-73-0
PIC INDUSTR.	3,3'-dichlorobenzidine dihydrogen bis(sulphate)	64969-34-2
PIC INDUSTR.	3,3'-dichlorobenzidine sulphate	74332-73-3
PIC INDUSTR.	[1,1'-Biphenyl]-4,4'-diamine, reaction products w	90268-15-8
PIC INDUSTR.	2,7-Naphthalenedisulfonic acid, 4-amino-5-hydro	90431-98-4
PIC INDUSTR.	4,4'-[[1,1'-biphenyl]-4,4'-diyl diazo]bis[4,5-dihyd	94199-52-7
PIC INDUSTR.	2,2'-[[1,1'-biphenyl]-4,4'-diylbis(azo)]bis[N-(4-cl	94249-03-3
PIC INDUSTR.	3,3-Diaminobenzidine tetrahydrochloride	868272-85-9
PIC INDUSTR.	3,3',5,5'-Tetramethylbenzidine dihydrochloride hy	207738-08-7
PIC INDUSTR.	N,N,N',N'-tetraphenyl[1,1'-biphenyl]-4,4'-diamin	15546-43-7
PIC INDUSTR.	3,3'-dimethoxybiphenyl-4,4'-ylenediammonium d	20325-40-0
PIC INDUSTR.	Biphenyl-3,3',4,4'-tetrayltetraamine	91-95-2
PIC INDUSTR.	Binapacryl	485-31-4
PIC INDUSTR.	<i>Cadmium and its compounds</i>	
PIC INDUSTR.	<u>CADMIUM</u>	7440-43-9
PIC INDUSTR.	<u>CADMIUM ACETATE (5743-04-4 ECHA)</u>	543-90-8
PIC INDUSTR.	<u>CADMIUM BROMIDE</u>	7789-42-6
PIC INDUSTR.	<u>CADMIUM CHLORIDE</u>	10108-64-2
PIC INDUSTR.	<u>CADMIUM FLUOROBORATE (cadmium tetra</u>	14486-19-2
PIC INDUSTR.	<u>CADMIUM NITRATE</u>	10325-94-7
PIC INDUSTR.	CADMIUM OXIDE	1306-19-0
PIC INDUSTR.	<u>CADMIUM STEARATE</u>	2223-93-0
PIC INDUSTR.	<u>CADMIUM SULFATE</u>	10124-36-4
PIC INDUSTR.	Carbon tetrachloride	56-23-5
PIC INDUSTR.	Chloroform	67-66-3
PIC INDUSTR.	Commercial octabromodiphenyl ether (including hexabromodiphenyl ether and heptabro	
PIC INDUSTR.	Commercial pentabromodiphenyl ether (including tetrabromodiphenyl ether and pentabr	
PIC INDUSTR.	<i>Creosote and Creosote related substances</i>	
PIC INDUSTR.	<u>Creosote oil</u>	61789-28-4

PIC INDUSTR.	<u>Tar acids, coal, crude</u>	65996-85-2
PIC INDUSTR.	<u>Creosote oil, high-boiling distillate</u>	70321-79-8
PIC INDUSTR.	<u>Distillates (coal tar), naphthalene oils</u>	84650-04-4
PIC INDUSTR.	<u>Creosote, wood</u>	8021-39-4
PIC INDUSTR.	<u>Creosote oil, acenaphthene fraction</u>	90640-84-9
PIC INDUSTR.	<u>Extract residues (coal), low temp. coal tar alk.</u>	122384-78-5
PIC INDUSTR.	<u>Creosote</u>	8001-58-9
PIC INDUSTR.	<u>Anthracene oil</u>	90640-80-5
PIC INDUSTR.	DBB (Di- μ -oxo-di-n-butylstannio-hydroxyborane)	75113-37-0
PIC INDUSTR.	Dibutyltin compounds, (DIBUTYLTIN-BIS(LA	1185-81-5
PIC INDUSTR.	<i>Dinoseb and its salts and esters</i>	
PIC INDUSTR.	<u>Dinoseb</u>	88-85-7
PIC INDUSTR.	<u>Dinoseb acetate</u>	2813-95-8
PIC INDUSTR.	<u>Ammonium 2-sec-butyl-4,6-dinitrophenolate</u>	6365-83-9
PIC INDUSTR.	<u>2-sec-butyl-4,6-dinitrophenol, compound with 1-</u>	71735-19-8
PIC INDUSTR.	<u>Sodium 2-(1-methylpropyl)-4,6-dinitrophenolate</u>	35040-03-0
PIC INDUSTR.	<u>2-sec-butyl-4,6-dinitrophenol, compound with 2,</u>	53404-43-6
PIC INDUSTR.	<u>2-sec-butyl-4,6-dinitrophenol, compound with 2,</u>	6420-47-9
PIC INDUSTR.	Dioctyltin compounds (DI(N-OCTYL)TIN-S,S'	26401-97-8
PIC INDUSTR.	Ethylene dichloride (1,2-dichloroethane)	107-06-2
PIC INDUSTR.	Hexachloroethane	67-72-1
PIC INDUSTR.	Lead compounds	7439-92-1
PIC INDUSTR.	Monomethyl-Dichloro-Diphenyl methane; Trade	85705-05-1
PIC INDUSTR.	Monomethyl-Tetrachlorodiphenyl methane; Trade	76253-60-6
PIC INDUSTR.	Monomethyl-dibromo-diphenyl methane; Trade n	99688-47-8
PIC INDUSTR.	Nonylphenol ethoxylates (C ₂ H ₄ O) _n C ₁₅ H ₂₄ O	9016-45-9
PIC INDUSTR.	Nonylphenols C ₆ H ₄ (OH)C ₉ H ₁₉ (Isononylphen	11066-49-2
PIC INDUSTR.	Octabromodiphenyl ether	32536-52-0
PIC INDUSTR.	Pentachloroethane	76-01-7
PIC INDUSTR.	Perfluorooctane sulfonate derivatives (including polymers) not covered by Perfluorooct	

PIC INDUSTR.	<u>Carbamic acid, (4-methyl-1,3-phenylene)bis-, bis </u>	68081-83-4
PIC INDUSTR.	<u>Potassium 2,3,4,5-tetrachloro-6-[[[3-[[</u> (heptadeca	57589-85-2
PIC INDUSTR.	Perfluorooctane sulfonic acid,Perfluorooctane sulfonates, Perfluorooctane sulfonamides,	
PIC INDUSTR.	<u>1-Decanaminium, N-decyl-N,N-dimethyl-, salt w</u>	251099-16-8
PIC INDUSTR.	N-ethylheptadecafluorooctanesulphonamide	4151-50-2
PIC INDUSTR.	Heptadecafluoro-N-(2-hydroxyethyl)-N-methyloc	24448-09-7
PIC INDUSTR.	<u>N-ethylheptadecafluoro-N-(2-hydroxyethyl)octan</u>	1691-99-2
PIC INDUSTR.	<u>Heptadecafluorooctanesulphonic acid, compound</u>	70225-14-8
PIC INDUSTR.	<u>Potassium heptadecafluorooctane-1-sulphonate</u>	2795-39-3
PIC INDUSTR.	<u>Ammonium heptadecafluorooctanesulphonate</u>	29081-56-9
PIC INDUSTR.	<u>Lithium heptadecafluorooctanesulphonate</u>	29457-72-5
PIC INDUSTR.	Heptadecafluoro-N-methyloctanesulphonamide	31506-32-8
PIC INDUSTR.	<u>Tetraethylammonium heptadecafluorooctanesulph</u>	56773-42-3
PIC INDUSTR.	<u>Heptadecafluorooctane-1-sulphonic acid</u>	1763-23-1
PIC INDUSTR.	Polybrominated biphenyls (PBB) except hexabro	67774-32-7
PIC INDUSTR.	Polychlorinated biphenyls (PCB)	
PIC INDUSTR.	<u>1,1'-Biphenyl, chloro derivs.</u>	1336-36-3
PIC INDUSTR.	<u>Dichlorobiphenyl</u>	25512-42-9
PIC INDUSTR.	Decachloro-1,1'-biphenyl	2051-24-3
PIC INDUSTR.	<u>2-chlorobiphenyl</u>	2051-60-7
PIC INDUSTR.	<u>3-chlorobiphenyl</u>	2051-61-8
PIC INDUSTR.	<u>4-chlorobiphenyl</u>	2051-62-9
PIC INDUSTR.	<u>2,2',4,4'-tetrachlorobiphenyl</u>	2437-79-8
PIC INDUSTR.	<u>Chloro-1,1'-biphenyl</u>	27323-18-8
PIC INDUSTR.	<u>Heptachloro-1,1'-biphenyl</u>	28655-71-2
PIC INDUSTR.	Tetrachloro(tetrachlorophenyl)benzene	31472-83-0
PIC INDUSTR.	2,2',4,4',6,6'-hexachlorobiphenyl	33979-03-2
PIC INDUSTR.	<u>Nonachloro-1,1'-biphenyl</u>	53742-07-7

<i>PIC INDUSTR.</i>	<u>2,4,4'-trichlorobiphenyl</u>	7012-37-5	
<i>PIC INDUSTR.</i>	<u>Pentachloro[1,1'-biphenyl]</u>	25429-29-2	
<i>PIC INDUSTR.</i>	<u>4,4'-dichlorobiphenyl</u>	2050-68-2	
<i>PIC INDUSTR.</i>	Polychlorinated terphenyls (PCT) (Terphenyl, chl	61788-33-8	
<i>PIC INDUSTR.</i>	Tetraethyl lead	78-00-2	
<i>PIC INDUSTR.</i>	Tetramethyl lead	75-74-1	SI
<i>PIC INDUSTR.</i>	Trichlorobenzene	12002-48-1	
<i>PIC INDUSTR.</i>	Triorganostannic compounds other than tributyltin compounds		
<i>PIC INDUSTR.</i>	<u>Cyhexatin</u>	13121-70-5	
<i>PIC INDUSTR.</i>	<u>Trimethyltin hydroxide</u>	56-24-6	
<i>PIC INDUSTR.</i>	<u>Butoxydibutylchlorostannane</u>	14254-22-9	
<i>PIC INDUSTR.</i>	<u>Allyltriphenylstannane</u>	76-63-1	
<i>PIC INDUSTR.</i>	<u>Fentin chloride</u>	639-58-7	
<i>PIC INDUSTR.</i>	<u>Hexamethyldistannane</u>	661-69-8	
<i>PIC INDUSTR.</i>	<u>Triphenyltin hydride</u>	892-20-6	
<i>PIC INDUSTR.</i>	<u>Triethyltin chloride</u>	994-31-0	
<i>PIC INDUSTR.</i>	<u>Triethyltin hydroxide</u>	994-32-1 (56-24-6)	
<i>PIC INDUSTR.</i>	<u>Bromotrimethylstannane</u>	1066-44-0	
<i>PIC INDUSTR.</i>	<u>Trimethyltin chloride</u>	1066-45-1	
<i>PIC INDUSTR.</i>	<u>Chlorotrioctylstannane</u>	2587-76-0	
<i>PIC INDUSTR.</i>	<u>Triethyltin bromide</u>	2767-54-6	
<i>PIC INDUSTR.</i>	<u>Stannane, triphenyl-, mono(C9-11 neofatty acylo</u>	90552-69-5	
<i>PIC INDUSTR.</i>	<u>Bis(tris(2-methyl-2-phenylpropyl)tin) oxide</u>	13356-08-6	
<i>PIC INDUSTR.</i>	<u>Cyhexatin</u>	13121-70-5	
<i>PIC INDUSTR.</i>	<u>Stannane, triphenyl-, mono(C9-11 neofatty acylo</u>	90552-69-5	
<i>PIC INDUSTR.</i>	<u>Tribenzyltin chloride</u>	3151-41-5	
<i>PIC INDUSTR.</i>	<u>Butoxydibutylchlorostannane</u>	14254-22-9	
<i>PIC INDUSTR.</i>	<u>Tribenzyltin chloride</u>	3151-41-5	
<i>PIC INDUSTR.</i>	<u>tripropyltin compounds, with the exception of those specified elsewhere in this Annex</u>		
<i>PIC INDUSTR.</i>	<u>Bis(tris(2-methyl-2-phenylpropyl)tin) oxide</u>	13356-08-6	

<i>PIC INDUSTR.</i>	Tris (2,3-dibromopropyl) phosphate	126-72-7
<i>PIC INDUSTR.</i>	Tris-aziridinyl-phosphinoxide	545-55-1

Annex I Part 1,2 PIC Industriale
Annex I Part 1,2 PIC Industriale
Annex I Part 1,2 PIC Industriale
Annex I Part 1,2 PIC Industriale
Annex I Part 1,2 PIC Industriale
Annex I Part 1,2 PIC Industriale
Annex I Part 1,2 PIC Industriale
Annex I Part 1,2 PIC Industriale
Annex I Part 1,2 PIC Industriale
Annex I Part 1,2 PIC Industriale
Annex I Part 1,2 PIC Industriale
Annex I Part 1,2 PIC Industriale
Annex I Part 1,2 PIC Industriale
Annex I Part 1,3 PIC Industriale
Annex I Part 1 PIC Industriale
Annex I Part 1 PIC Industriale
Annex I Part 1 PIC Industriale
Annex I Part 1 PIC Industriale
Annex I Part 1 PIC Industriale
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Annex I Part 1 PIC Industriale
Annex I Part 1 PIC Industriale
Annex I Part 1 PIC Industriale
Annex I Part 1 PIC Industriale
Annex I Part 1,3 PIC Industriale
Annex I Part 1,3 PIC Industriale
Annex I Part 1 PIC Industriale
Annex I Part 1 PIC Industriale

87 ppm

9 mg/m³
9 mg/m³
9 mg/m³
9 mg/m³
9 mg/m³
9 mg/m³
9 mg/m³
9 mg/m³
9 mg/m³
9 mg/m³
9 mg/m³
200 ppm
500 ppm

Annex I Part 1 PIC Industriale
Annex I Part 1 PIC Industriale
Annex I Part 1 PIC Industriale
Annex I Part 1 PIC Industriale
Annex I Part 1 PIC Industriale
Annex I Part 1 PIC Industriale
Annex I Part 1 PIC Industriale
Annex I Part 1 PIC Industriale
Annex I Part 1 PIC Industriale
Annex I Part 1,3 PIC Industriale
ESR, PIC, CLP, SVHC, Candidate List
Annex III, Pre Registration Process
PIC, ESR
PIC. ESR; Annex III
PIC. ESR; Annex III
PIC. ESR; Annex III
Pre registration Process, PIC
Annex I Part 1 PIC Industriale
Annex I Part 1,3 PIC Industriale
Annex I Part 1 PIC Industriale
Annex I Part 1 PIC Industriale
Annex I Part 1,2 PIC Industriale
Annex I Part 1,2 PIC Industriale
Annex I Part 1,2 PIC Industriale
Annex I Part 1,2 PIC Industriale
Annex I Part 1,2 PIC Industriale
Annex I Part 1,2 PIC Industriale
Annex I Part 1,2 PIC Industriale
Annex I Part 1 PIC Industriale
Annex I Part 1,2 PIC Industriale

25 mg/m³

300 ppm
100 mg/m³

Pre registration Process, PIC
 Annex III, Pre Registration Process
 Annex I Part 1,3 PIC Industriale

Annex III, Pre Registration Process
 Annex III, Pre Registration Process
 Annex III, Pre Registration Process
 Annex III, Pre Registration Process
 Annex III, Pre Registration Process
 Annex III, Pre Registration Process
 Annex III, Pre Registration Process
 Annex III, Pre Registration Process
 Pre Registration Process

Annex III, Pre Registration Process	X	X	X	X	X		X
Annex I Part 1,3 PIC Industriale	0	X	X				

Annex I Parte 3 Annex V Part 1 PIC Ind

Annex III, Pre Registration Process	X	0	X	X	X		X	5 mg/m3
Annex III, Pre Registration Process	X	0	X	X				
Annex III, Pre Registration Process	X	0	0	0	0		0	
Annex III, Pre Registration Process	X	0	0	0	0	X	0	
Annex III, Pre Registration Process	X	0	X	0	X	X	X	
Annex III, Pre Registration Process	X	0	0	X	0	X	0	
Annex III, Pre Registration Process	X	0	0	0	0	X	0	
Annex III, Pre Registration Process	X	0	0	0	0	0	0	
Annex III, Pre Registration Process	X	0	0	0	0	0	0	
Annex III, Pre Registration Process	X	0	0	0	0	X	0	
Annex III, Pre Registration Process	X	0	0	0	0	X	0	

Annex III, Pre Registration Process	X	0	0	0	0	X	0	
Annex III, Pre Registration Process	X	0	0	0	0	X	0	
Annex III, Pre Registration Process	X	0	0	0	0	X	0	
Annex I Part 1,3 PIC Industriale	X	0	X	0	0	0	0	
Annex I Part 1,3 PIC Industriale	X	X	X	X	X	X	X	40 mg/m3
Annex I Part 1,3 PIC Industriale	X	X	X	X	X	X	X	40 mg/m3
Annex I Part 1 PIC Industriale	X	0	X	X	X	0	X	
Annex I Part 1,2 PIC Industriale								
Annex I Part 1,2 PIC Industriale	X	X	X	X	X	X	0	25 mg/m3
Annex I Part 1,2 PIC Industriale	X	0	0	0	0	0	0	
Annex I Part 1,2 PIC Industriale	X	0	0	0	0	0	0	
Annex I Part 1,2 PIC Industriale	0	0	X	0	0	0	0	
Annex I Part 1,2 PIC Industriale	X	X	X	X	X	X	0	
Annex I Part 1,2 PIC Industriale	X	0	X	0	0	0	0	
Annex I Part 1,2 PIC Industriale	X	0	X	0	0	X	0	0,2 mg/mc TLV STEL (ACGIH)
Annex I Part 1,2 PIC Industriale	X	0	0	0	0	0	0	
Annex I Part 1,2 PIC Industriale	X	0	X	0	0	0	0	
Annex I Part 1,2 PIC Industriale	X	0	0	0	0	0	0	ACUTE TOX 2 ricavo da SDS
Annex I Part 1,2 PIC Industriale	X	X	X	X	X	X	0	42 mg/m3
Annex I Part 1,2 PIC Industriale	X	0	X	0	0	0	0	
Annex I Part 1,2 PIC Industriale	X	X	X	X	0	X	0	25 mg/m3
Annex I Part 1,2 PIC Industriale	X	0	X	X		X		25 mg/m3
Annex I Part 1,2 PIC Industriale	X	0	0	0	0	0	0	
Annex I Part 1,2 PIC Industriale	X	0	X	0	X	X	X	
Annex I Part 1,2 PIC Industriale	X	0	X	0	0		0	
Annex I Part 1,2 PIC Industriale	X	0	0	0	0	0	0	
Annex I Part 1,2 PIC Industriale	X	0	0	0	0	0	0	
Annex I Part 1,2 PIC Industriale	X	X	X	X	0	X	0	

Annex I Part 1,3 PIC Industriale

X X X X 0 0 0

Annex I Part 1 PIC Industriale

X X X X 0 0 X

TOX PAC 3	TOX AEGL 3 a 10'	MEG a 1h A	LC50	TA o RA	PPM
13 ppm		1.500 mg/m3	8.600 mg/m3		1252,82
	4200 ppm	2.3000 mg/m3	20.616 ppm		20616
150 ppm		600 mg/m3	34.700 mg/m3		1252,82
500 ppm		500 mg/m3	35,7 mg/m3	TA	6,42
1000 ppm		4000 mg/m3	168.13 mg/L		168,13
		300 mg/m3	LD50 728 mg/kg	TA	72,8
99 mg/mc		200 mg/m3	390 ppm	TA	390
440 mg/m3		500 mg/m3	LD 50 2230 mg/kg	TA	223
3.3 mg/m3		250 f/CC	///		223
3.3 mg/m3		250 f/CC	///		223
4000 ppm	9700 ppm	13.000 mg/m3	13.700 ppm		13.700
140 ppm			74700 ppm	TA	74700
QSAR!?					
61 mg/m3			2.5 mg/L	TA	1190
380 mg/m3		400 mg/m3	///		1210
36 mg/m3		meg water	///		1350
QSAR!?			6,93 mg/l	TA	1190
QSAR!?			1000 ppm	TA	1000
QSAR!?			755 ppm	TA	755
QSAR!?			859 ppm	TA	859
380 mg/m3		400mg/m3	///		859
REAZ COMP			///	TA	859
REAZ COMP			///	TA	859
REAZ COMP			///	TA	859
REAZ COMP			///	TA	859
140 ppm		2000 mg/m3	///		859
29 mg/m3		60 mg/m3	///		859

COME PRIMA ?	NDB		///	TA	859
QSAR!?			///	TA	859
QSAR!?			///	TA	859
REAZ COMP			///	TA	859
REAZ COMP			///		859
REAZ COMP			///		859
REAZ COMP			///		859
QSAR!?			///		859
QSAR!?			CL50 Inalazione - ratto - 1.900 mg/m3		157,57
QSAR!?			13.100 ppm	TA	13.100
QSAR!?			9700 ppm	TA	9700
			619 mg/kg LD 50	TA	61,9
QSAR!?			13.100 ppm	TA	13.100
			///		
4,7 mg/m3	8.5 mg/m3	4,7 mg/m3	8.63 mg/m ³		1,74
9,6 mg/m3			///		0,85
11 mg/m3		22 mg/m3	///		0,72
7.6 mg/m3		15mg/m3	///		1,07
QSAR!?			///		0,68
9,9 mg/m3		19 mg/m3	///		0,83
5,4 mg/m3		10 mg/m3	///		1,52
28 mg/m3		55 mg/m3	///		0,29
8,7 mg/m3		17 mg/m3	///		1,01
340 ppm	700 ppm	33000 mg/m3	34500 mg/m3		5483,74
3200 ppm	4000 ppm	16000 mg/m3	9,770 ppm		9770
			///		9770
			///		9770
250 ppm		1000 mg/m3			
			LD50 Mouse oral 433 mg/kg		42,3

250 ppm	1000 mg/m ³				
		11700 mg/m ³	TA	2304,39	
		2000 mg/kg LD 50	TA	200	
		256 ppm	TA	256	
		13300 ppm	RA	13300	
5.4 mg/m ³	10 mg/m ³	LD50 Rat, adult male oral 27 mg/kg			27
?		60.1 mg/kg	TA	60,1	
?		8480 ppm	RA	8480	
?					
?		1020 ppm	RA	1020	
?					
?					
				3160	
	1.2E+03 mg/m ³	7.758 mg/L air		7758	
300 ppm	3.0E+03 mg/m ³	LD50 Mouse ip 4500 mg/kg	TA	1500	
700 mg/m ³	1.0E+02 mg/l	5000 ppm for 5 days	TA	154	
		LD50 4600mg/kg (1330 ppm Human)	RA	1330	
5400 mg/m ³	5.0E+02 mg/l	28 mg/m ³		2,22	
260 mg/m ³		1330 ppm	RA	1330	
		60gm/m ³		1,83	
1200 mg/m ³	5.0E+02 mg/l	4238ppm		4238	

	2150 mg/kg	TA	2150
	1330 ppm	RA	1330

	1330 ppm	RA	1330
	1330 ppm	RA	1330
	1330 ppm	RA	1330
	1330 ppm	RA	1330
	1330 ppm	RA	1330
	0,21 mg/l		1250
	1330 ppm	RA	1330
	LD 50 190 mg/kg		19
	LC50 of 5.2 mg/L		5,2
	LD50 21,500 mg/kg		2150
260 mg/m3 (Polychlorinated biphenyl)	5.0E+00 mg/n		
	LD 50 4,5 g/kg	TA	2020
	LD 50 2230mg/kg		223
	LD50: 1010 mg/kg		101
	LD50: 1010 mg/kg		101
	LD50: 1010 mg/kg		101
	LD50: 1010 mg/kg		101
	LD50: 1010 mg/kg		101
	1330 ppm	RA	1330
	1330 ppm	RA	1330
	1330 ppm	RA	1330
	LD50: 1010 mg/kg		101
	LD50: 1010 mg/kg		101

		LD50: 1010 mg/kg		101
		LD50: 1010 mg/kg		101
		LD50: 1010 mg/kg		101
		LD 50: 2100mg/kg		210
40 mg/m ³	6.2E+01 mg/m ³	LC 50: 850 mg/m ³		64,25
40 mg/m ³	5.2E+01 mg/m ³	LC50: 8500 mg/cu m/30 min		777,38
		LD50 = 756-766 mg/kg		75,6
	5.0E+00 mg/l	LD50 = 190 mg/kg		19
		3640 ppm	RA	3640
		3600 ppm	RA	3640
		LD50=100 mg/kg		2080
38 mg/m ³	8.1E+01 mg/l	LD50 = 18 mg/kg		1,8
		LD50=7,6 mg/kg		0,76
		LD50=81mg/kg		8,1
		115.000 ppm	RA	115.000
		3640 ppm	RA	3640
		1020 ppm	RA	1020
120mg/m ³	42 mg/m ³	LD50= 12,6mg/kg		1,26
		LD50=29200mg/kg		2920
		LC50= 16400 mg/m ³		1403,01
		LD50: 1450 mg/kg		145
		LD50: 458 mg/kg		45,8
		LD50=175mg/kg		1700
		92600 ppm	RA	92600
		LD50= 175 mg/kg		1700
		1330 ppm	RA	1330
		LD50: 1450 mg/kg		2910

1330 ppm
LD50=37mg/kg

RA

1330
824

Tempo/specie	LC50 Hu. Ppm	parametro a	STATO FISICO	P.EBOLLIZIONE	P.Ebollizione C
4 H Rats	75169,2	-22,93562	Insoluble in water.	266,9	130,5
30' mice	309240	-23,68494	liquid a 20°C	74,1 °C	74,1
30' Rats	9396,15	-16,6973	liquid a 20°C	295 ° F	146
uomo		-2,12003	liquid a 20°C	235	112,7777778
60' Rats	2521,95	-14,75991	liquid a 20°C	31,45 °C	31,45
rats	546	-11,0064	solido	583	306,1111111
rats	0	-14,3632	solido	576	302,2222222
rats	1672,5	-12,21670794	solido	644	340
	1672,5	-13,24534697	solido	1112	600
	13380	-19,48367159	solido	1112	600
4H Rats	102750	-21,48130565	liquid a 20°C	80°C	80
Human		-20,8436	solido	788	420
			solido	X	X
96 H Notropis Iu		-12,56461455	solido	753	400,5555556
//		-12,59794866	solido		137
///		-12,81691712	solido	392	200
///		-12,56461455	solido	572	300
rats		-12,21670794	solido	X	X
rats		-11,65463288	solido		247
rats		-11,91273523	solido		232
///		-11,91273523	solido		137
///		-11,91273523			X
///		-11,91273523			X
///		-11,91273523			X
///		-11,91273523			X
///		-11,91273523	solido	788	420
///		-11,91273523	solido		168,5

///		-11,91273523			X
///		-11,91273523	solido		X
///		-11,91273523	solido		X
///		-11,91273523			X
///		-11,91273523			X
///		-11,91273523			X
///		-11,91273523			X
///		-11,91273523			300
///		-8,52093699			X
///		-17,3619324			X
rats		-16,76095971			267
rats		-6,652237741			176
rats		-17,3619324			66
///					
30' Rats	13,05	-3,538773649	solido	1409	765
///	0,2125	4,6964292	solido		X
///	0,18	5,028399475	solido		X
///	0,2675	4,236074044	solido	1760	960
///	0,17	5,142716302	liquid		X
///	0,2075	4,744050497	solido		132
///	0,38	3,533970671	solido	2838	1558,888889
///	0,0725	6,847140053	solido		X
///	0,2525	4,351490679	solido		1000
2 H mouse	329024,4	-25,19526613	liquid	170,1	76,72222222
4 h Rats (F)	586200	-27,04347154	liquid	143	61,66666667
///	586200	-27,04347154			
///	586200	-27,04347154			
			liquid	350	176,6666667
Mouse	634,5	-11,30687196	liquid	X	X

		XXXXXX	liquid	350	176,6666667
		XXXXXX	liquid	X	X
		XXXXXX	liquid	X	X
rat	17282,925	-17,91614598	liquid		
rat	1500	-13,02763816	liquid		
		XXXXXX	liquid		
		XXXXXX	liquid		
		XXXXXX	liquid		
rat	1920	-13,52135831			
Human		-17,39223601	Solid Brown	200	93,33333333
rat	202,5	-9,022677155	Orange brown liquid	38-42°C melting point	38
rats	450,75	-10,62302311			
Human		-16,49212884			
		XXXXXX			
Human		-12,25631319			
		XXXXXX			
		XXXXXX			
		-14,51785199	Clear yellow viscous liquid		
4H Rats	465480	-26,58228774			
(260 ppm!?)		-13,02763816	crystalline solid	368,2	186,7777778
Coturnix japonica		-8,475102586	solido	3164	1740
		XXXXXX			
human		-12,78706582			
		XXXXXX			
8h rats	266,4	-12,34378398	liquid or solid		
Human		-12,78706582	liquid	579	303,8888889
1h rats	27,45	-5,719076898			
2h rats	127140	-23,29357998	liquid	159.8 °C	159,8

LD50		-13,74764362			
Human		-12,78706582			
		-12,78706582			
Human		-12,78706582			
Human		-12,78706582			
Human		-12,78706582			
Human		-12,78706582			
Human		-12,78706582			
Jomo 0,16 mg/l donna		-12,66299504			
Human		-12,78706582			
rat	142,5	-8,319881381	solid	182°C	182
1h rats	39	-6,421467854	liquid		
rats	32250	-19,16374403	liquid		
rats	15150	-13,62290296	solid /liquid	Very High	
rats	1672,5	-13,24534697	solid		I
rats	757,5	-11,66124446			
rats	757,5	-11,66124446	solid/liquid		
rats	757,5	-11,66124446		284.5°C	284,5
rats	757,5	-11,66124446	solid	556	291,1111111
rats	757,5	-11,66124446	solid		
Human		-12,78706582			
Human		-12,78706582			
Human		-12,78706582			
rats	757,5	-11,66124446	solid		
rats	757,5	-11,66124446	solid		

	rats	757,5	-11,66124446	solid		
	rats	757,5	-11,66124446	solid		
	rats	757,5	-11,66124446	solid		
	mouse	3150	-14,51151285	solid		
	rats	481,875	-10,75656687	liquid	392	200
	30' mouse	11660,7	-17,12915637	liquid	230	110
	rats	567	-11,08191599	liquid	213°C	I
	rats	142,5	-8,319881381	solid	442	227,7777778
Human			-14,8006753			
Human			-14,8006753			
	mouse (IV)	31200	-13,68144373			
	mouse	27	-4,992871114	solid	103.5°C (M.P.)	103,5
	rat	5,7	-1,882129731			
	mouse	121,5	-8,001025907		156°C	156
	human		-21,7065722		206°C	206
	Human		-14,8006753		114°C	114
	Human		-12,25631319	liquid	165°C	165
	rat	9,45	-2,893226865	solido	154°C	154
	rat	21900	-18,38968121		206°C	206
	mouse	21045,15	-18,3100482	liquid	223°C	223
	mouse	2175	-13,77076527	Solido	235°C	235
	rat	343,5	-10,0795716	solido	442	227,7777778
	rat	12750	-13,27796444			
	Human		-21,27328622		138°C	138
	(rat)	12750	-17,30777048	solido	143°C P.Fusione	143
	Human		-12,78706582			
	mouse	43650	-19,7691145	solido	°c Ebol. 138°C P.Fusi	235

Human
rat

6180

-12,78706582
-11,82953844 solido

5.5°C Punto Fusione
90°C

5,5
90

Link DB	UN			RESTRIZIONI	CODIF EPA	ECHA	PIC	ERG TAB.1
CAMEO	<u>1702</u>	<u>6.1</u>	<u>6.1</u>	Annex VII REACH	poison	NTR	NODBE	
ECHA/CAMEO	2831	<u>6.1</u>	<u>6.1</u>	regolamenti vari	poison	NTR	E / I	
ECHA/CAMEO	<u>1702</u>	<u>6.1</u>	<u>6.1</u>	Annex VII REACH	poison	NTR	E / I	
ECHA/CAMEO	NO			Annex VII REACH	poison	C	E	
ECHA/CAMEO	1303	3	3	Annex VII REACH	infiammabile	C	E	
ECHA/CAMEO	1650	<u>6.1</u>	<u>6.1</u>	Annex VII REACH	poison	C	E / I	
ECHA/CAMEO	3077	9	9	Annex VII REACH e SVHC	miscellaneous	C	NODBE	
ECHA/CAMEO	2811	6.1	6.1	Annex VII REACH	poison	C	E	ERG tab 1
ECHA/CAMEO	2212	9	9	Annex VII REACH	miscellaneous	C	E	
ECHA/CAMEO	2212	9	9	Annex VII REACH	miscellaneous	C	E	
ECHA/CAMEO	1114	3	3	Annex VII REACH	infiammabile	C M	E/I/CE	
	NO							
ECHA/CAMEO	2811	6.1	6.1	Annex VII REACH	poison	C S	NODBE	ERG tab 1
ECHA	1885	6.1	6.1	Annex III REACH e vari	poison	C	NODBE	
ECHA/CAMEO	1885	6.1	6.1	Annex VII REACH	poison	C	E / I	
ECHA/CAMEO	2811	6.1	6.1	Non nel PIC Annex III REACH	poison	C	NODBE	ERG tab 1
ECHA/CAMEO	NO			Non nel PIC Annex III REACH		C	E	
ECHA/CAMEO	NO			Non nel PIC Annex III REACH		C	NODBE	
ECHA/CAMEO	NO			Non nel PIC Annex III REACH		C	NODBE	
ECHA/CAMEO	NO			Non nel PIC Annex III REACH		C	NODBE	
ECHA/CAMEO	3077	9	9	PIC ed altri regolamenti	miscellaneous	C S	E	
CAMEO	2811	6.1	6.1	ESR e REACH	poison	C	NODBE	ERG tab 1
							NODBE	
							NODBE	
							NODBE	
							NODBE	
ECHA/CAMEO	2811	6.1	6.1	Annex III REACH e vari	poison	C	NODBE	ERG tab 1
ECHA/CAMEO	NO			Annex III REACH e vari			NODBE	

CAMEO	NO			Annex III REACH e vari			NODBE
CAMEO				Annex III REACH e vari			NODBE
				Annex III REACH e vari			NODBE
							NODBE
							NODBE
							NODBE
							NODBE
ECHA				CLP		C	NODBE
ECHA				CLP		C	NODBE
ECHA				CLP		C	NODBE
ECHA				CLP e REACH		C	NODBE
ECHA				CLP REACH E PIC		C	E
ECHA/CAMEO				CLP e REACH		R	NODBE
ECHA/CAMEO	2570	6.1	6.1	Annex VII REACH e SVHC	poison	C	E / I
ECHA/CAMEO	2570	6.1	6.1	Annex VII REACH	poison		NODBE
ECHA/CAMEO	2570	6.1	6.1	Annex VII REACH e PIC e CLP	poison		E
ECHA/CAMEO	2570	6.1	6.1	Annex VII REACH e SVHC	poison	CMR	E
CAMEO	NO			Annex VII REACH	No		NODBE
ECHA/CAMEO	3087	5.1	6.1	Annex VII REACH	oxidizer/poison	CMR	E
ECHA/CAMEO	2570	6.1	6.1	Annex VII REACH e SVHC	poison	C	E / I
ECHA/CAMEO	2570	6.1	6.1	Annex VII REACH	poison		E / I
ECHA/CAMEO	2570	6.1	6.1	Annex VII REACH e SVHC	poison	CMR	E
ECHA/CAMEO	1846	6.1	6.1	Community Corap	poison	CS	E / I
ECHA/CAMEO	1888	6.1	6.1	Annex VII REACH	poison		E/I/CE
6.1							
ECHA/CAMEO	2076	6.1	6.1	Annex VII REACH	poison	C/PBR	E
TN				Annex VII REACH	poison	C/PBR	E

ECHA/CAMEO	2076	6.1	6.1	Annex VII REACH	poison	CM	PIC	
				Annex VII REACH	poison	C	E / I	
				Annex VII REACH		CMS	PIC	
				Annex VII REACH		S	E / I	
				Annex VII REACH		CS	E	
				Annex VII REACH		CM		
				Annex VII REACH		C		
				Annex VII REACH		CS	E	
				Annex VII REACH		R / Ss		
ECHA/CAMEO	<u>2788</u>	6.1	6.1	Annex VII REACH	poison	R / Ss	E	
ECHA/CAMEO/TN	2779	6.1	6.1	Candidate List SVHC	poison	R/Ss	C.Es/Ex.N	
				Annex III		R	Si	
				Annex III			Si	
				Annex III			Si	
				Annex III			Si	
							Si	
							Si	
	<u>2788</u>	6.1	6.1	PIC	poison		E	
ECHA/CAMEO	2811	6.1	6.1	Annex III ed Annex VII	poison	C	E.No/I/C.Es	
ECHA/CAMEO				Annex VII	tossico	R/PBT	I	ERG Tab 1
							Si	
ECHA/TOXNET				Annex III ed Annex VII			E	
ECHA/TOXNET				Pre registrazione		Ss	PIC	
ECHA/CAMEO/T	3082	9	9	Annex XVII of REACH.	miscellaneous	PBT	E co / I / E no	
ECHA/CAMEO	3145	8	8	Annex III	corrosive	PIC	PIC	
ECHA/TOXNET				Annex III		R	PIC	
ECHA/CAMEO/TN	1669	6.1	6.1	Annex III ed Annex VII	poison		I	

				Annex III			PIC	
				Annex III			PIC	
				Annex III			PIC	
				Annex III			PIC	
	1649	6.1	6.1	SVHC, PBT vPvB	poison	R	Ex Co /ex No	
	1649/3483	6.1	6.1/3	Annex III, PBT vPvB	poison	R	PIC	
ECHA/CAMEO/TN	2321	6.1	6.1	Annex III	poison		PIC	
				PIC			EX Co /ex No	
ECHA/CAMEO/T	2811	6.1	6.1	Annex III Pre Registration Process	poison		EX Co /ex No	ERG TAB.1
ECHA							PIC	
ECHA				Pre registration			PIC	
TN				Pre registration			PIC	
ECHA/CAMEO/T	3146	6.1	6.1	Annex III - Pre Registration Process	poison		PIC	
ECHA				PIC			Ex Co/ Ex No	
ECHA/TOXNET				Pre registration	"poison"		PIC	
ECHA	2788	6.1	6.1	Pre registration	poison		PIC	
ECHA /SDS	3146	6.1	6.1	Pre registration	poison		PIC	
SDS	2788	6.1	6.1	Pre registration	poison		PIC	
Pub chem	3146	6.1	6.1	Pre registration	poison		PIC/ ex No	
	2788	6.1		Pre registration / registration Dos.		SS	PIC/Ex No	
	3265	8	8	Pre registration	corrosive		PIC	
	2811	6.1	6.1	Annex III - Pre Registration process	poison		PIC /Ex cons/Ex not	ERG TAB.1
	2811	6.1	6.1	Annex III - Pre Registration process	poison		PIC /Ex cons/Ex not	ERG TAB.1
				Pre Registration			PIC	
					poison		PIC	
SDS	2920	8	8+3	Pre Registration	poison		PIC	
SDS	3146	6.1	6.1		poison		PIC	
	2811	6.1	6.1	Annex III - Pre Registration process	poison		PIC /Ex cons/Ex not	ERG TAB.

3082	9	9	Annex III - Pre Registration process	cancerogenic	C	PIC/Ex Cons
2501	6.1	6.1	Annex III - Pre Registration process	poison		PIC

NOTE o UTILIZZI

Combustione ossidi di azoto
Combustione ossidi di azoto

Intermedio di reazione tox su più fronti

Tossico per ingestione ed ass cutaneo

Gas velenosi per combustione

Cadmium chloride is used in photography, in fabric printing, in chemical analysis, and in many other uses.

POISONOUS GASES MAY BE PRODUCED IN FIRE.

Toxic oxides of nitrogen and cadmium oxide fume may form in fires.

Is a component of silver alloys, phosphors, semiconductors, glass and ceramic glazes. Formerly used by veterinarians to kill worms and parasites.

Solid. Used as a lubricant and stabilizer for polyvinyl chloride.

POISONOUS GASES MAY BE PRODUCED IN FIRE.

Used as a solvent, in the manufacture of other chemicals, as an agricultural fumigant, and for many other uses.

Used as a solvent, to make other chemicals, as a fumigant.

Poisonous by ingestion and skin absorption and corrosive to skin.

Poisonous by ingestion and skin absorption and corrosive to skin.

Poisonous by ingestion and skin absorption and corrosive to skin.

Symptoms associated with this compound include primary skin irritation, nausea, headache, muscular weakness and paralysis.

Extremely toxic: Probable oral lethal dose is 5-50 mg/kg; between 7 drops and 1 teaspoonful for 70 kg person (150 lb.)

Often reactive with water to generate toxic or flammable gases.

Compound is a powerful narcotic and liver poison; may also cause changes in blood composition and neurological disturbances.

In the presence of carbon, the combination of chlorine trifluoride with aluminum, copper, lead, magnesium, silver, tin, or zinc results in a violent reaction

Colorless liquid or white solid with a mild odor. May float or sink in water. A low molecular-weight polymer. Used as a non-ionic surfactant, as an emuls

Yellowish liquid with a slight phenolic odor. Insoluble in water. Flash point 285°F. Burns although difficult to ignite. May irritate the skin. Used in the r

A colorless liquid with a chloroform-like odor. Insoluble in water and denser than water. Toxic by inhalation and ingestion. May irritate skin and eyes. Us

Vedi SDS prodotti commerciali?

Vedi SDS prodotti commerciali?

Vedi SDS prodotti commerciali?

Vedi SDS prodotti commerciali?

Vedi SDS prodotti commerciali?

Vedi SDS prodotti commerciali?

Vedi SDS prodotti commerciali?

Colorless oily liquid. Insoluble in water.

Colorless crystals or shiny off-white flakes

A colorless liquid with a characteristic odor. Flash point 163° F. Density 14 lb / gal. Insoluble in water. Toxic by inhalation and by skin absorption.
Colorless liquid, dyed red, orange or blue. Has a slight musty odor. Used as an antiknock additive for gasolines; component of mixed alkyl leads for gasoline.
A colorless to clear yellowish liquid with a sweet almond-like odor. Practically insoluble in water and denser than water. Toxic by ingestion, inhalation and skin contact.
CX when used as a weapon - Technical cyhexatin is a nearly odorless white crystalline powder that has no true melting point but degrades to bis(tricyclohexylphosphor) oxide.

White crystalline solid. Used as a rodent repellent, molluscicide, fungicide and insecticide.

Light sensitive. Air sensitive. Moisture sensitive. Harmful if swallowed. May cause respiratory and digestive tract irritation.

Trimethyltin hydroxide is used in the synthesis of modified thymines, which is useful as inhibitors of RNase A
H330 Letale se inalato.

TRIMETHYLTIN CHLORIDE is in the family of tin compounds widely used as stabilizers for plastics, additives to paint(as antifouling agents)
this substance is fatal if inhaled, is very toxic to aquatic life with long lasting effects, causes damage to organs through prolonged or repeated exposure, causes skin irritation, is fatal in contact with skin, is fatal if inhaled,

this substance is fatal if inhaled, is very toxic to aquatic life, is very toxic to aquatic life with long lasting effects, causes serious eye irritation and causes skin irritation
Used as an acaricide (an agent to kill plant-feeding mites) in almonds, walnuts, hops and some fruits.

White crystalline solid with a mild odor.

Clear colorless to pale yellow viscous liquid

An aqueous solution of a colorless crystalline solid. Toxic by skin absorption, ingestion or inhalation. Produces toxic oxides of nitrogen during combustion

QSAE TOOL BOX

24/10/17

MODULO 5/3



LEVELS OF CONCENTRATION

$$LOC = 0,1 \text{ \& } LC50$$

$$LOC = 0,01 \text{ \& } LD50$$

$$IDLH (\text{mg}/\text{m}^3) = (LOC \times 70 \text{ Kg}) \times 0,4 \text{ m}^3$$

→ PÉSO MÉDIO

↓
VALORES MÉDIOS
INSTALADO N 3.

$$LC_{50}(\text{CONCENTRAÇÃO}) = F_{ol} \times 30' LC_{50}(\text{MINUTOS})$$



$F_{ol} =$	0,25	0,50	0,75	0,3
	RATÃO	MOUSE	AVIA	CRACÉTO

This compound can cause skin irritation on contact.

It is dangerously explosive. When not water wet it is a high explosive.

Strongly reactive with many other groups. Incompatible with acids and bases.

ifier, or as a metal cleaner, depending on the degree of polymerization.
manufacture of oil additives, surfactants, fungicide preparations and plastics and rubber.

ed as a solvent.

line additives. (EPA, 1998)

d skin absorption. Used to make pesticides, dyes, and other chemicals.

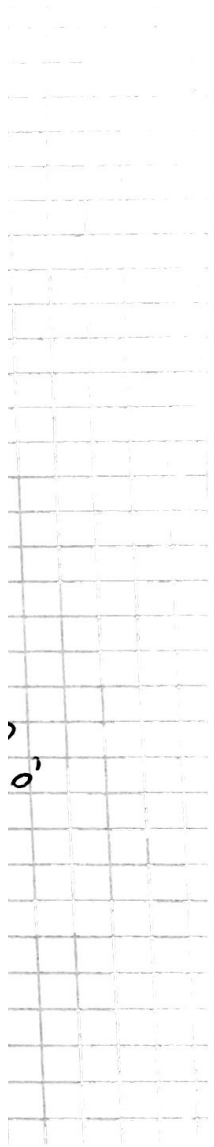
exyl)tin oxide at 121 to 131°C which decomposes at 228°C; a melting point of 195-198°C is also reported

Begins to sublime at 80°C

uses serious eye irritation, is suspected of damaging fertility or the unborn child, causes skin irritation,

cin irritation.

m. Used as a pesticide.



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o'

