PLAINTIFF'S EXHIBIT

B&R-345

GUIDE TO OCCUPATIONAL EXPOSURE VALUES–1992

Compiled by the American Conference of Governmental Industrial Hygienists

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INTRODUCTION

This *Guide to Occupational Exposure Values* is intended to serve as a readily accessible reference for comparison of the most recently published values. The values listed are the 1992–1993 Chemical Substances Threshold Limit Values (TLVs) from the American Conference of Governmental Industrial Hygienists (ACGIH); the 1989 new or amended Permissible Exposure Limits (PELs) from the U.S. Department of Labor, Occupational Safety and Health Administration (OSHA); the Recommended Exposure Limits (RELs) from the U.S. National Institute for Occupational Safety and Health (NIOSH); and the 1991 Maximum Concentration Values in the Workplace (MAKs) from the Deutsche Forschungsgemeinschaft (DFG), Federal Republic of Germany, Commission for the Investigation of Health Hazards of Chemical Compounds in the Work Area.

This Guide also includes those carcinogens found in the occupational environment that are identified by the above organizations, the U.S. Environmental Protection Agency (EPA), the International Agency for Research on Cancer (IARC), and the U.S. National Toxicology Program (NTP).

This *Guide to Occupational Exposure Values* is intended as a companion document to the annual *Threshold Limit Values and Biological Exposure Indices* Booklet, particularly the section on "Threshold Limit Values for Chemical Substances in the Work Environment." Beginning with the 1988–1989 edition of the TLVs-BEIs Booklet, identification was made of those substances for which OSHA and/or NIOSH has a PEL or a REL lower than the TLV. Also included are those substances identified by other sources as a suspected or confirmed human carcinogen.

The ACGIH believes there is a need to specifically address such identifications. In response, this ready reference Guide of TLVs, Federal standards and recommendations, and other significant values has been developed. For the user's convenience, the inside back cover provides "Definitions, Abbreviations, Terms and Coding;" simply fold down the flap for a quick reference. The MAK Peak Exposure Limitation Categories, The Embryo/Fetus Risk of Damage Classification, and the MAK Germ Cell Mutagens Classification are also listed on the inside back cover.

Sources used in preparing this volume include: *Classification of Carcinogens by Different Countries and Organizations*, Laboratory for Environmental and Occupational Cancer, Institute for Cancer Research, Oslo, Norway (October 1991); *Code of Federal Regulations, 29 CFR 1910.1000–1910.1200, as of July 1, 1992*, U.S. Government Printing Office, Washington, DC (1991); *IARC Monographs on the Evaluation of the Carcinogenic Risk to Humans, Supplement 7*, International Agency for Research on Cancer, Lyon, France (1987); *Maximum Concentrations at the Workplace and Biological Tolerance Values for Working Materials 1991, Report No. XXVII*, Commission for the Investigation of Health Hazards of Chemical Compounds in the Work Area, Federal Republic of Germany, VCH Publishers, Weinheim, Germany (July 21, 1991); *NIOSH Recommendations for Occupational Safety and Health—Compendium of Policy Documents and Statements*, National Institute for Occupational Safety and Health, Cincinnati, OH (January, 1992); *Sixth Annual Report on Carcinogens—1991 Summary*, National Toxicology Program, Research Triangle Park, NC (1991); *Threshold Limit Values and Biological Exposure Indices for 1992–1993*, American Conference of Governmental Industrial Hygienists, Cincinnati, OH (1992).

Comments and suggestions are welcomed.

SUBSTANCE / CAS #	ACGIH TLVs TWA ppm	ACGIH TLVs TWA mg/m³	ACGIH TLVs STEL/CEIL(C) ppm	ACGIH TLVs STEL/CEIL(C) mg/m³	OSHA PELs TWA ppm	OSHA PELs TWA mg/m³	OSHA PELs STEL/CEIL(C) ppm	OSHA PELs STEL/CEIL(C) mg/m³	NIOSH RELs TWA ppm	NIOSH RELs TWA mg/m³	NIOSH RELs STEL/CEIL(C) ppm	NIOSH RELs STEL/CEIL(C) mg/m³	DFG MAKs TWA ppm	DFG MAKs TWA mg/m³	DFG MAKs PEAK	CARCINOGEN
Acetaldehyde [illegible]	[illegible]	[illegible]	[illegible]	[illegible]	200	360	50	[illegible]	[illegible]				50	90		[illegible]
Acetamide [illegible]																[illegible]
Acetic acid [illegible]	[illegible]	25	[illegible]	37	[illegible]	25	[illegible]		[illegible]	25	5	37	[illegible]	25	[illegible]	
Acetic anhydride [illegible]	[illegible]	[illegible]	[illegible]	[illegible]			[illegible]	25			25	220	5	20		
Acetone [illegible]	[illegible]	[illegible]	[illegible]	2380	[illegible]	[illegible]	[illegible]	2400	250	590			[illegible]	2400	[illegible]	
Acetone cyanohydrin [illegible]									[illegible]	[illegible]						
Acetonitrile [illegible]	40	67	60	[illegible]	40	[illegible]	60	[illegible]	20	34			40	[illegible]	[illegible]	
2-Acetylaminofluorene [illegible]																[illegible]
Acetylene [illegible]									2500*	2662*						

SUBSTANCE / CAS #	ACGIH TLVs TWA ppm	ACGIH TLVs TWA mg/m³	ACGIH TLVs STEL/CEIL(C) ppm	ACGIH TLVs STEL/CEIL(C) mg/m³	OSHA PELs TWA ppm	OSHA PELs TWA mg/m³	OSHA PELs STEL/CEIL(C) ppm	OSHA PELs STEL/CEIL(C) mg/m³	NIOSH RELs TWA ppm	NIOSH RELs TWA mg/m³	NIOSH RELs STEL/CEIL(C) ppm	NIOSH RELs STEL/CEIL(C) mg/m³	DFG MAKs TWA ppm	DFG MAKs TWA mg/m³	DFG MAKs PEAK	CARCINOGEN
Acetylene dichloride [illegible]	200	[illegible]			200	790			200	790			200	790	[illegible]	
Acetylene tetrachloride [illegible]	[illegible]	14	[illegible]		[illegible]	14							[illegible]	14	[illegible]	
Acetylsalicylic acid (Aspirin) 50-78-2		5	[illegible]			5				5				[illegible]		
Acrolein [illegible]	0.1	0.23	0.3	0.69	0.1	0.25	0.3	0.8	0.1	0.25	0.3	0.8	0.1	0.25	[illegible] (D)	[illegible]
Acrylamide [illegible]		0.03 A2 Skin				0.03 Skin				0.03 Ca. Skin				[illegible] (H) (2)		[illegible]
Acrylic acid [illegible]	2	5.8	[illegible] Skin		10	30 Skin			2	6 Skin				[illegible]		[illegible]
Acrylic acid, n-butyl ester, n-butyl acrylate [illegible]	[illegible]	52	[illegible]		10	55	[illegible]		10	55	[illegible]		10	55	[illegible] (D) (S)	[illegible]
Acrylic acid, ethyl ester, ethyl acrylate [illegible]	5 A2	20 A2	15 A2	61 A2	5	20	25	100		Ca. (LOD 4 ppm)	[illegible]		5	20	[illegible] (D) (S)	[illegible]
Acrylic acid, methyl ester, methyl acrylate [illegible]	[illegible]	35 Skin			10	35 Skin	[illegible]		10	35 Skin	[illegible]		5	[illegible] S)	[illegible]	

SUBSTANCE / CAS #	ACGIH TLVs TWA ppm	ACGIH TLVs TWA mg/m³	ACGIH TLVs STEL/CEIL(C) ppm	ACGIH TLVs STEL/CEIL(C) mg/m³	OSHA PELs TWA ppm	OSHA PELs TWA mg/m³	OSHA PELs STEL/CEIL(C) ppm	OSHA PELs STEL/CEIL(C) mg/m³	NIOSH RELs TWA ppm	NIOSH RELs TWA mg/m³	NIOSH RELs STEL/CEIL(C) ppm	NIOSH RELs STEL/CEIL(C) mg/m³	DFG MAKs TWA ppm	DFG MAKs TWA mg/m³	DFG MAKs PEAK	CARCINOGEN
Acrylonitrile [illegible]	[illegible]	[illegible]			[illegible]		[illegible]				[illegible]					[illegible]
		Skin														
Actinomycin D [illegible]																[illegible]
Adiponitrile [illegible]	[illegible]	[illegible]							[illegible]	[illegible]						
		Skin														
Adriamycin [illegible]																[illegible]
Aflatoxins																[illegible]
Aldrin [illegible]		[illegible]				[illegible]				[illegible]				[illegible]		[illegible]
		Skin				Skin				Ca Skin [illegible] mg/m³				[illegible]		
Allyl alcohol [illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
		Skin				Skin				Skin				[illegible]		
Allyl chloride [illegible]		[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]		[illegible]		[illegible]
Allyl glycidyl ether (AGE) [illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		
										Skin				5		

SUBSTANCE / CAS #	ACGIH TLVs TWA ppm	ACGIH TLVs TWA mg/m³	ACGIH TLVs STEL/CEIL(C) ppm	ACGIH TLVs STEL/CEIL(C) mg/m³	OSHA PELs TWA ppm	OSHA PELs TWA mg/m³	OSHA PELs STEL/CEIL(C) ppm	OSHA PELs STEL/CEIL(C) mg/m³	NIOSH RELs TWA ppm	NIOSH RELs TWA mg/m³	NIOSH RELs STEL/CEIL(C) ppm	NIOSH RELs STEL/CEIL(C) mg/m³	DFG MAKs TWA ppm	DFG MAKs TWA mg/m³	DFG MAKs PEAK	CARCINOGEN
Allyl propyl disulfide [illegible]	2	2	3	8	2	12	3	18	2	12	3	18	2	12		
α-Alumina, as Al (Aluminum oxide) [illegible]		10				10* 5**							6		12	
		[illegible]				*Total dust **Respirable fraction								(F)		
Aluminum hydroxide [illegible]		[illegible]								[illegible]			6	[illegible]		
														(F)		
Aluminum [429-90-5] Metal dust, as Al		10	[illegible]			15* 5**	[illegible]			10* 5**	[illegible]		6	[illegible]		
						*Total dust **Respirable fraction				*Total dust **Respirable fraction				(F)		
Aluminum, Pyro powders, as Al		5	[illegible]			5	[illegible]			5	[illegible]			[illegible]		
Aluminum, Welding fumes, as Al		5				5	[illegible]			5	[illegible]			[illegible]		
Aluminum, Soluble salts, as Al		2	[illegible]			2	[illegible]			2	[illegible]			[illegible]		
Aluminum, Alkyls, not otherwise classified,		2	[illegible]			2	[illegible]			2	[illegible]			[illegible]		
Aluminum oxide, as Al [illegible]		10	[illegible]			10* 5**	[illegible]			[illegible]			6	[illegible]		
		[illegible]				*Total dust **Respirable fraction								(F)		

SUBSTANCE	ACGIH TLVs				OSHA PELs				NIOSH RELs				OPG IDHLs				CARCINOGEN
	TWA		STEL/CEIL(C)		TWA		STEL/CEIL(C)		TWA		STEL/CEIL(C)		TWA		PEAK		
CAS #	ppm	mg/m³	ppm	mg/m³	ppm	mg/m³	ppm	mg/m³	ppm	mg/m³	ppm	mg/m³	ppm	mg/m³			
2-Aminoethanol (MEA) [illegible]																	[illegible]
4-Aminoazobenzene [illegible]																	[illegible]
4-Aminodiphenyl [illegible]		[illegible]															[illegible]
2-Aminoethanol (Ethanolamine) [illegible]	3	5	6	5	3	8	6	5	3	8	6	5	3	8		12	
3-Amino-9-ethylcarbazole [illegible]																	[illegible]
1-Amino-2-methylanthraquinone [illegible]																	[illegible]
2-Amino-5-5-nitro-2-pyridyl-1,3,4-thiadiazole [illegible]																	[illegible]
4-Amino-2-nitrophenol [illegible]																	[illegible]
2-Aminopyridine [illegible]	0.5	2			0.5	2			0.5	2			0.5	2			

SUBSTANCE	ACGIH TLVs				OSHA PELs				NIOSH RELs				OPG IDHLs				CARCINOGEN
	TWA		STEL/CEIL(C)		TWA		STEL/CEIL(C)		TWA		STEL/CEIL(C)		TWA		PEAK		
CAS #	ppm	mg/m³	ppm	mg/m³	ppm	mg/m³	ppm	mg/m³	ppm	mg/m³	ppm	mg/m³	ppm	mg/m³			
3-Amino-1,2,4-triazole (Amitrole) [illegible]		0.2				0.2				0.2				0.2			[illegible]
Aminotriazole (3-Amino-1,2,4-triazole) [illegible]		0.2				0.2				0.2				0.2			[illegible]
Ammonia [illegible]	25	17		35	24			35	27	25	18		35	27	50	35	
Ammonium chloride fume [illegible]		10			20		10		20		10			20			
Ammonium perfluorooctanoate [illegible]		0.1															
Ammonium sulfamate [illegible]		10					10	5			10	5				15	
Amyl acetate [illegible]		3.5		11			0.2 ppm				0.1 ppm					0.08 ppm	[illegible]
n-Amyl acetate [illegible]	100	532				100	525			100	525				100	525	
sec-Amyl acetate [illegible]	125	665				125	650			100	525				100	525	

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Aniline & homologues [illegible]	[illegible]	[illegible]			[illegible]	[illegible]							[illegible]	[illegible]	[illegible]	[illegible]
Aniline [illegible]	[illegible]	[illegible]				[illegible]				[illegible]			[illegible]	[illegible]		[illegible]
p-Anisidine hydrochloride [illegible]																[illegible]
Antimony [illegible] & compounds as Sb		[illegible]				[illegible]				[illegible]				[illegible]	[illegible]	
Antimony trioxide Handling and use as Sb [illegible]		[illegible]														[illegible]
Antimony trioxide Production [illegible]		[illegible]														[illegible]
ANTU [illegible] [illegible]		[illegible]				[illegible]				[illegible]				[illegible]	[illegible]	
Argon [illegible]																
Arsenic pentoxide [illegible]																[illegible]

SUBSTANCE CAS #	ACGIH TLVs TWA ppm	ACGIH TLVs TWA mg/m³	ACGIH TLVs STEL/CEIL(C) ppm	ACGIH TLVs STEL/CEIL(C) mg/m³	OSHA PELs TWA ppm	OSHA PELs TWA mg/m³	OSHA PELs STEL/CEIL(C) ppm	OSHA PELs STEL/CEIL(C) mg/m³	NIOSH RELs TWA ppm	NIOSH RELs TWA mg/m³	NIOSH RELs STEL/CEIL(C) ppm	NIOSH RELs STEL/CEIL(C) mg/m³	DFG MAKs TWA ppm	DFG MAKs TWA mg/m³	DFG MAKs PEAK	CARCINOGEN
Arsenic [illegible] & inorganic compounds (except arsine) as As	[illegible]	[illegible]			[illegible]	[illegible]						[illegible]				[illegible]
Arsenic trioxide production [illegible]	[illegible]	[illegible]				[illegible]										[illegible]
Arsenious acid, arsenic acid and their salts						[illegible]				[illegible]				[illegible]		[illegible]
Arsine [illegible]	[illegible]	[illegible]	[illegible]		0.05	0.2	[illegible]			[illegible]		0.002*	0.05	0.2	[illegible]	[illegible]
Asbestos, Amosite [illegible]	[illegible]	[illegible]				0.2 f/cc	[illegible]	[illegible]		0.1 f/cc	[illegible]			0.05 f/cc	[illegible]	[illegible]
Asbestos, Chrysotile [illegible]	[illegible]	[illegible]				0.2 f/cc	[illegible]	[illegible]		0.1 f/cc	[illegible]			0.05 f/cc	[illegible]	[illegible]
Asbestos, Crocidolite [illegible]	[illegible]	[illegible]				0.2 f/cc	[illegible]	[illegible]		0.1 f/cc	[illegible]			0.025 f/cc	[illegible]	[illegible]
Asbestos, other forms	[illegible]	[illegible]				0.2 f/cc	[illegible]	[illegible]		0.1 f/cc	[illegible]			0.05 f/cc	[illegible]	[illegible]
Asphalt (petroleum) fumes 8052-42-4		5				[illegible]				[illegible]		5*				[illegible]

SUBSTANCE CAS #	ACGIH TLVs TWA ppm	ACGIH TLVs TWA mg/m³	ACGIH TLVs STEL/CEIL(C) ppm	ACGIH TLVs STEL/CEIL(C) mg/m³	OSHA PELs TWA ppm	OSHA PELs TWA mg/m³	OSHA PELs STEL/CEIL(C) ppm	OSHA PELs STEL/CEIL(C) mg/m³	NIOSH RELs TWA ppm	NIOSH RELs TWA mg/m³	NIOSH RELs STEL/CEIL(C) ppm	NIOSH RELs STEL/CEIL(C) mg/m³	DFG MAKs TWA ppm	DFG MAKs TWA mg/m³	DFG MAKs PEAK	CARCINOGEN
Aniline [illegible]		5				5				5				2	2	
Aniline hydrochloride [illegible]																[illegible]
Acrylamide [illegible]																[illegible]
Azobenzene [illegible]																[illegible]
Azinphos-methyl [illegible]		0.2 Skin				0.2 Skin				0.2 Skin				0.2 [illegible]		
Azo dyes																
Barium [illegible] soluble compounds, as Ba		0.5				0.5				0.5 As total compound				0.5 2		
Barium sulfate [illegible]		5 4				5 Total dust 15 Respirable fraction				5 Total dust 15 Respirable fraction						
Beech wood dust		1				5		2		1						[illegible]

SUBSTANCE CAS #	ACGIH TLVs TWA ppm	ACGIH TLVs TWA mg/m³	ACGIH TLVs STEL/CEIL(C) ppm	ACGIH TLVs STEL/CEIL(C) mg/m³	OSHA PELs TWA ppm	OSHA PELs TWA mg/m³	OSHA PELs STEL/CEIL(C) ppm	OSHA PELs STEL/CEIL(C) mg/m³	NIOSH RELs TWA ppm	NIOSH RELs TWA mg/m³	NIOSH RELs STEL/CEIL(C) ppm	NIOSH RELs STEL/CEIL(C) mg/m³	DFG MAKs TWA ppm	DFG MAKs TWA mg/m³	DFG MAKs PEAK	CARCINOGEN
Benomyl [illegible]	0.04	10				10* 5**										
Benzal chloride [illegible]		1				1				1				1		[illegible]
Benzal bromide [illegible]		1				1				1				1		[illegible]
Benzene [illegible]	10 A2 [illegible]	32 A2 [illegible]			1*	3*	5*	15*	0.1	0.32	1*	3.2*		1		[illegible]
Benzidine [illegible]		A1 Skin				1 Ca-See 29 CFR 1910.1010				1 Ca. lowest feasible conc. See 29 CFR 1910.1010				1 H1		[illegible]
p-Benzoquinone (Quinone) [illegible]	0.1	0.44			0.1	0.4			0.1	0.4			0.1	0.4	1	
Benzoyl chloride [illegible]		1				1				1				1		[illegible]
Benzoyl peroxide [illegible]		5				5				5				5 G1		[illegible]
[illegible] pyrene [illegible]		A2				0.2 See Coal tar pitch volatiles				0.1 Ca. Coal tar pitch volatiles, cyclohexane soluble fraction				1		[illegible]

SUBSTANCE CAS #	ACGIH TLVs TWA ppm	ACGIH TLVs TWA mg/m³	ACGIH TLVs STEL/CEIL(C) ppm	ACGIH TLVs STEL/CEIL(C) mg/m³	OSHA PELs TWA ppm	OSHA PELs TWA mg/m³	OSHA PELs STEL/CEIL(C) ppm	OSHA PELs STEL/CEIL(C) mg/m³	NIOSH RELs TWA ppm	NIOSH RELs TWA mg/m³	NIOSH RELs STEL/CEIL(C) ppm	NIOSH RELs STEL/CEIL(C) mg/m³	OPG MAAs TWA ppm	OPG MAAs TWA mg/m³	OPG MAAs PEAK	CARCINOGEN
[illegible]		A2														[illegible]
Benzyl chloride [illegible]		[illegible]				[illegible]						[illegible]		[illegible]	[illegible]	[illegible]
Benzyl violet 4B [illegible]																[illegible]
Beryllium [illegible] and compounds as Be		[illegible]				[illegible]		[illegible]		[illegible]						[illegible]
Biphenyl [illegible]	[illegible]	[illegible]			[illegible]				[illegible]				[illegible]	[illegible]		[illegible]
Bis(chloromethyl) nitrosourea [illegible]																[illegible]
Bismuth telluride undoped as Bi_2Te_3 [illegible]		[illegible]				[illegible]				[illegible]						
Bismuth telluride Se-doped as Bi_2Te_3 [illegible]		[illegible]				[illegible]				[illegible]						
Bitumen [illegible]		[illegible]														[illegible]

SUBSTANCE CAS #	ACGIH TLVs TWA ppm	ACGIH TLVs TWA mg/m³	ACGIH TLVs STEL/CEIL(C) ppm	ACGIH TLVs STEL/CEIL(C) mg/m³	OSHA PELs TWA ppm	OSHA PELs TWA mg/m³	OSHA PELs STEL/CEIL(C) ppm	OSHA PELs STEL/CEIL(C) mg/m³	NIOSH RELs TWA ppm	NIOSH RELs TWA mg/m³	NIOSH RELs STEL/CEIL(C) ppm	NIOSH RELs STEL/CEIL(C) mg/m³	OPG MAAs TWA ppm	OPG MAAs TWA mg/m³	OPG MAAs PEAK	CARCINOGEN
Borates, tetra, sodium salts, Anhydrous [illegible]-96-4		[illegible]				10				[illegible]						
Borates, tetra, sodium salts, Decahydrate [illegible]-96-4		5				10				5						
Borates, tetra, sodium salts, Pentahydrate [illegible]-96-4		[illegible]				10 [illegible] (CAS [illegible]79-04-3)				[illegible]						
Boron oxide [illegible]-56-2		10 [illegible]				10* [illegible] *Total dust **Respirable fraction				10* [illegible] *Total dust				15 [illegible] (G)	[illegible] 2	
Boron oxychloride [illegible]-33-4				C1 [illegible]			[illegible]	C1	C10		[illegible]	C1	C10	[illegible]	[illegible]	
Boron trifluoride [illegible]-07-2			[illegible]	C1	C2.9			C1	C3			C1	C3	[illegible]	[illegible]	[illegible]
Bromacil [illegible]-40-9	[illegible]	[illegible]	[illegible]			[illegible]	10	[illegible]		[illegible]	10					
[illegible] [illegible]-95-4	[illegible]	[illegible]	0.3	2		0.1	0.7	[illegible] 0.3	2	0.1	0.7	0.3	2	0.1	0.7	
Bromine pentafluoride [illegible]-30-2	[illegible]	[illegible]				0.1	0.7	[illegible]		0.1	0.7					

SUBSTANCE	ACGIH TLVs				OSHA PELs				NIOSH RELs				DOE IDLHs			CARCINOGEN
	TWA		STEL/CEIL(C)		TWA		STEL/CEIL(C)		TWA		STEL/CEIL(C)		TWA		PEAK	
CAS #	ppm	mg/m³	ppm	mg/m³	ppm	mg/m³	ppm	mg/m³	ppm	mg/m³	ppm	mg/m³	ppm	mg/m³		
Bromochloromethane (Chlorobromomethane) [illegible]	200	350			200	350			200	350			200	350		
Bromoethane (Ethyl bromide) [illegible]	5 A2	22 A2			200	990	250	[illegible]					200	990	[illegible]	[illegible] A2
		Skin				Skin				Skin						
Bromoform [illegible]	0.5	5.2			0.5	5			0.5	5						
		Skin				Skin				Skin						
Brown coal tars (soft coal tar)																[illegible] A1
1,3-Butadiene [illegible]	[illegible] A2	22 A2			1000	2200										[illegible]
					2*		[illegible]									
Butane [illegible]	800	1900			800	1900			800	1900			1000	2350	[illegible]	
1,4-Butane sultone [illegible]																[illegible]
2,4-Butane sultone [illegible]																[illegible] A2
1,4-Butanediol dimethylsulfonate (Busulfan) [illegible]																[illegible]

SUBSTANCE	ACGIH TLVs				OSHA PELs				NIOSH RELs				DOE IDLHs			CARCINOGEN
	TWA		STEL/CEIL(C)		TWA		STEL/CEIL(C)		TWA		STEL/CEIL(C)		TWA		PEAK	
CAS #	ppm	mg/m³	ppm	mg/m³	ppm	mg/m³	ppm	mg/m³	ppm	mg/m³	ppm	mg/m³	ppm	mg/m³		
Butanethiol (Butyl mercaptan) [illegible]	0.5	[illegible]			0.5	1.5					0.5*	[illegible]*	0.5	1.5	[illegible]	
									*15-min TWA ceiling							
2-Butanone (Methyl ethyl ketone, MEK) [illegible]	200	590	300	885	200	590	300	885	200	590	300	885	200	590	[illegible]	
			(D)										(D)			
2-Butoxyethanol [illegible] [illegible]-2	25	121			25	120			5	24			20	100	[illegible]	
		Skin				Skin				Skin			(C) (H)			
2-Butoxyethyl acetate [illegible] [illegible]-2									5	31			20	130	[illegible]	
										Skin			(C) (H)			
n-Butyl acetate [illegible]	150	713	(200)	(950)	150	710	200	950	150	710	200	950	200	950	[illegible]	
	NIC-20	95														
sec-Butyl acetate [illegible]	200	950			200	950			200	950			200	950	[illegible]	
tert-Butyl acetate [illegible]	200	950			200	950			200	950			200	950	[illegible]	
Butyl acrylate [illegible] [illegible]-butyl ester) [illegible]-32-2	10	52			10	55			10	55			10	55	[illegible]	ARC 3
													(D) (S)			
n-Butyl alcohol [illegible]				C50	C152			C50	C150			C50	C150	100	300	[illegible]	
		Skin				Skin				Skin						

SUBSTANCE	ACGIH TLVs				OSHA PELs				NIOSH RELs				OPG MARs			CARCINOGEN
	TWA		STEL/CEIL(C)		TWA		STEL/CEIL(C)		TWA		STEL/CEIL(C)		TWA		PEAK	
CAS #	ppm	mg/m³	ppm	mg/m³	ppm	mg/m³	ppm	mg/m³	ppm	mg/m³	ppm	mg/m³	ppm	mg/m³		
sec-Butyl alcohol [illegible]	100	300			100	305			100	305	150	455	100	300		
tert-Butyl alcohol [illegible]	100 [illegible]	300 [illegible]	150	450	100	300	150	450	100	300	150	450	100	300		
n-Butylamine [illegible]			15	15			5	15			15	15	5	5	2	
sec-Butylamine [illegible]													5	5	2	
tert-Butylamine [illegible]													5	5	2	
tert-Butyl chromate as CrO_3 [illegible]				[illegible]				[illegible]		[illegible]						
1,2-Butylene oxide [illegible]																
n-Butyl glycidyl ether (BGE) [illegible]	25	[illegible]			25	135					[illegible]	[illegible]				
tert-Butyl glycidyl ether [illegible]																

SUBSTANCE	ACGIH TLVs				OSHA PELs				NIOSH RELs				OPG MARs			CARCINOGEN
	TWA		STEL/CEIL(C)		TWA		STEL/CEIL(C)		TWA		STEL/CEIL(C)		TWA		PEAK	
CAS #	ppm	mg/m³	ppm	mg/m³	ppm	mg/m³	ppm	mg/m³	ppm	mg/m³	ppm	mg/m³	ppm	mg/m³		
n-Butyl lactate [illegible]	5	20			5	25			5	25						
Butyl mercaptan (1-Butanethiol) [illegible]	0.5	1.8			0.5	1.5					0.5	1.8	0.5	1.5		
									[illegible] 15-min TWA ceiling							
n-sec-Butylphenol [illegible]	5	31			5	30			5	30						
		Skin				Skin				Skin						
p-tert-Butylphenol [illegible]													0.08	0.5	[illegible]	
														M		
Butylphosphoryldiphenyl chloride (BPDC) [illegible]																[illegible]
p-tert-Butylstyrene [illegible]	10 (C-1 [illegible]	61 (C-1 [illegible]	[illegible]	(20)	(121)	10	60	[illegible]	20	120	10	60	[illegible]	20	120	10	60	[illegible]	[illegible]
δ-Butyrolactone [illegible]																
γ-Butyrolactone [illegible]									8	22						
Cadmium chloride [illegible]	[illegible]															[illegible]

SUBSTANCE	ACGIH TLVs				OSHA PELs				NIOSH RELs				DFG MAKs			CARCINOGEN
	TWA		STEL/CEIL(C)		TWA		STEL/CEIL(C)		TWA		STEL/CEIL(C)		TWA		PEAK	
CAS #	ppm	mg/m³	ppm	mg/m³	ppm	mg/m³	ppm	mg/m³	ppm	mg/m³	ppm	mg/m³	ppm	mg/m³		
Cadmium oxide & fume as Cd	[illegible]				[illegible]		[illegible]									[illegible]
Cadmium stearate fume as Cd [illegible]	[illegible]				[illegible]		[illegible]									[illegible]
Cadmium oxide production [illegible]	[illegible]															
Calcium arsenate [illegible]										[illegible]						[illegible]
Calcium carbonate [illegible]	[illegible]				5 [illegible]				[illegible]							
Calcium chromate as Cr [illegible]	[illegible]								[illegible]							[illegible]
Calcium cyanamide [illegible]	[illegible]				[illegible]				[illegible]				[illegible]			
Calcium hydroxide [illegible]	[illegible]				[illegible]				[illegible]							
Calcium oxide [illegible]	[illegible]				5				[illegible]				5			

SUBSTANCE	ACGIH TLVs				OSHA PELs				NIOSH RELs				DFG MAKs			CARCINOGEN
	TWA		STEL/CEIL(C)		TWA		STEL/CEIL(C)		TWA		STEL/CEIL(C)		TWA		PEAK	
CAS #	ppm	mg/m³	ppm	mg/m³	ppm	mg/m³	ppm	mg/m³	ppm	mg/m³	ppm	mg/m³	ppm	mg/m³		
Calcium silicate (synthetic) [illegible]		[illegible]				15* 5**				10* 5**						
Calcium sulfate (Gypsum, Plaster of Paris) [illegible]		[illegible]				15* 5**				10* 5**				6		
Camphor, synthetic [illegible]	2	12	3	18		2				2			2	13		
Caprolactam dust [illegible]		1		3		1		3		1		3		5		A4;
Caprolactam vapor [illegible]	5	23	10	46	5	20	10	40	0.22	1	0.66	3		5		A4;
Captan [illegible]		0.1				0.1				0.1						NIOSH-1
Captan [illegible]		5				5				5						NIOSH-1
[illegible] acid, ethyl [illegible]																A4; [illegible]
Carbaryl (Sevin®) 63-25-2		5				5				5				5		A4;

SUBSTANCE	ACGIH TLVs				OSHA PELs				NIOSH RELs				DFG MAKs			
	TWA		STEL/CEIL(C)		TWA		STEL/CEIL(C)		TWA		STEL/CEIL(C)		TWA		PEAK	CARCINOGEN
CAS #	ppm	mg/m³	ppm	mg/m³	ppm	mg/m³	ppm	mg/m³	ppm	mg/m³	ppm	mg/m³	ppm	mg/m³		
Carbaryl 63-46-2		[illegible]				[illegible]				[illegible]						
Carbon black [illegible]		[illegible]				[illegible]				[illegible]						
Carbon dioxide 124-38-9	5000	9000	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	5000	9000	[illegible]	[illegible]	5000	9000		
Carbon disulfide 75-15-0	[illegible]	[illegible]			4	12	[illegible]	36	[illegible]	3	[illegible]	30	[illegible]	[illegible]		
Carbon monoxide 630-08-0	25	29			35	40	1200	1229	35	40	1200	1229	30	33		
Carbon tetrabromide 558-13-4	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
Carbon tetrachloride 56-23-5	[illegible]	[illegible]			2	[illegible]					[illegible]	[illegible]	[illegible]	[illegible]		
Carbonyl chloride (Phosgene) 75-44-5	[illegible]	[illegible]			[illegible]	[illegible]			[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		
Carbonyl fluoride 353-50-4	2	5.4	5	[illegible]	2	5	5	[illegible]	[illegible]	5	5	[illegible]				

SUBSTANCE	ACGIH TLVs				OSHA PELs				NIOSH RELs				DFG MAKs			
	TWA		STEL/CEIL(C)		TWA		STEL/CEIL(C)		TWA		STEL/CEIL(C)		TWA		PEAK	CARCINOGEN
CAS #	ppm	mg/m³	ppm	mg/m³	ppm	mg/m³	ppm	mg/m³	ppm	mg/m³	ppm	mg/m³	ppm	mg/m³		
Catechol (Pyrocatechol) 120-80-9	5	23			5	20			5	20						[illegible]
Cellulose 9004-34-6		[illegible]				[illegible]				[illegible]						
Cesium hydroxide 21351-79-1		2				2				2						
Cetylmercaptan (1-hexadecanethiol) 2917-26-2											[illegible]	[illegible]				
Chlorobenzene 108-90-7																EPA B1 IARC NTP
Chloromethane 74-87-3																IARC 2A
Chlorpyrifos 2921-88-2		[illegible]				[illegible]				[illegible]				[illegible]		EPA B2 IARC 3 MAK A NTP
Chlorosacetone (Acetone chlorohydrin) 78-95-5										0.001						IARC 3 MAK A NTP 2
Chromic Acid 1333-82-0																IARC 3 NTP

SUBSTANCE	ACGIH TLVs				OSHA PELs				NIOSH RELs				OPG IDLHs				
	TWA		STEL/CEIL(C)		TWA		STEL/CEIL(C)		TWA		STEL/CEIL(C)		TWA		PEAK		CARCINOGEN
CAS #	ppm	mg/m³	ppm	mg/m³	ppm	mg/m³	ppm	mg/m³	ppm	mg/m³	ppm	mg/m³	ppm	mg/m³			
Chlorinated camphene (Toxaphene) 8001-35-2		0.5				0.5								0.5			
			Skin				Skin										
Chlorinated diphenyl oxide 55720-99-5		0.5				0.5				0.5				0.5			
Chlorinated paraffins (C12, 60% Chlorine) 63449-39-8																	
Chlorine 7782-50-5	0.5	1.5		2.9	0.5	1.5		3	0.5	1.45		3	0.5	5			
Chlorine dioxide 10049-04-4	0.1	0.28	0.3	0.83	0.1	0.3	0.3	0.9	0.1	0.3	0.3	0.9	0.1	0.3			
Chlorine trifluoride 7790-91-2			0.1	0.38			0.1	0.4			0.1	0.4	0.1	0.4			
Chloroacetone 78-95-3																	
Chloroacetaldehyde 107-20-0			0.1	0.3			0.1	0.3			0.1	0.3		0.3			
Chloroacetamide 79-07-2			0.1	0.3													
			Skin														

SUBSTANCE	ACGIH TLVs				OSHA PELs				NIOSH RELs				OPG IDLHs				
	TWA		STEL/CEIL(C)		TWA		STEL/CEIL(C)		TWA		STEL/CEIL(C)		TWA		PEAK		CARCINOGEN
CAS #	ppm	mg/m³	ppm	mg/m³	ppm	mg/m³	ppm	mg/m³	ppm	mg/m³	ppm	mg/m³	ppm	mg/m³			
α-Chloroacetophenone (Phenacyl chloride) 532-27-4	0.05	0.32			0.05	0.3			0.05	0.3							
Chloroacetyl chloride 79-04-9	0.05	0.23	0.15	0.69	0.05	0.2			0.05	0.2							
			Skin														
Chlorobenzene 108-90-7	10	46			75	350							50	230		II 1	
														(C)			
α-Chlorobenzylidene malononitrile 2698-41-1				C0.05				C0.05				C0.05					
			Skin				Skin				Skin						
Chlorobromomethane (Bromochloromethane) 74-97-5	200	1050			200	1050			200	1050			200	1500		II 1	
2-Chloro-1,3-butadiene (β-Chloroprene) 126-99-8	10	35			10	35						C1		10	35		IL 1	IARC 1 NIOSH-Ca
			Skin				Skin				Ca				C1 (H)			
Chlorodifluoromethane 75-45-6	1000	3500			1000	3500			1000	3500		1250	4375	500	1800	IV	
															(C)		
Chloroethanol (β-chloroethanol) 107-07-3		1				1				0.001				0.1	1	III	NIOSH-Ca
			Skin				Skin				Ca				B1 (H)		
Chloroethanol (50% chloroethanol) 107-07-3		0.5				0.5				0.001				0.05	0.5	III	IARC 2A NIOSH-Ca
			Skin				Skin				Ca				B1 (H)		

SUBSTANCE CAS #	ACGIH TLVs TWA ppm	ACGIH TLVs TWA mg/m³	ACGIH TLVs STEL/CEIL(C) ppm	ACGIH TLVs STEL/CEIL(C) mg/m³	OSHA PELs TWA ppm	OSHA PELs TWA mg/m³	OSHA PELs STEL/CEIL(C) ppm	OSHA PELs STEL/CEIL(C) mg/m³	NIOSH RELs TWA ppm	NIOSH RELs TWA mg/m³	NIOSH RELs STEL/CEIL(C) ppm	NIOSH RELs STEL/CEIL(C) mg/m³	DFG MAKs TWA ppm	DFG MAKs TWA mg/m³	DFG MAKs PEAK	CARCINOGEN
1-Chloro-2,3-epoxypropane [illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Chloroethane [illegible]	100	2640			100	2600							100	2600		[illegible]
2-Chloroethanol [illegible]			[illegible]	[illegible]			[illegible]	[illegible]			[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
1-(2-Chloroethyl)-3-cyclohexyl-1-nitrosourea [illegible]																[illegible]
Chloroethylene [illegible]	[illegible]	[illegible]			[illegible]	[illegible]										[illegible]
Chlorofluoromethane [illegible]																[illegible]
Chloroform [illegible]	[illegible]	[illegible]			[illegible]	[illegible]			[illegible]	[illegible]			[illegible]	[illegible]	[illegible]	[illegible]
N-Chloromethyl methylamine [illegible]																[illegible]
5-Chloro-2-Methyl-2,3-dihydroisothiazol-3-one [illegible] and 2-Methyl-2,3-dihydroisothiazol-3-one [illegible] (mixture in ratio 3:1)														[illegible]		

SUBSTANCE CAS #	ACGIH TLVs TWA ppm	ACGIH TLVs TWA mg/m³	ACGIH TLVs STEL/CEIL(C) ppm	ACGIH TLVs STEL/CEIL(C) mg/m³	OSHA PELs TWA ppm	OSHA PELs TWA mg/m³	OSHA PELs STEL/CEIL(C) ppm	OSHA PELs STEL/CEIL(C) mg/m³	NIOSH RELs TWA ppm	NIOSH RELs TWA mg/m³	NIOSH RELs STEL/CEIL(C) ppm	NIOSH RELs STEL/CEIL(C) mg/m³	DFG MAKs TWA ppm	DFG MAKs TWA mg/m³	DFG MAKs PEAK	CARCINOGEN
bis-Chloromethyl ether [illegible]	[illegible]	[illegible]														[illegible]
Chloromethyl methyl ether [illegible]	A2	A2														[illegible]
3-Chloro-2-methylpropene [illegible]																[illegible]
1-Chloro-2-nitrobenzene [illegible]																[illegible]
1-Chloro-1-nitroethane [illegible]	2	10			2	10			2	10			20	100		
Chlorosulfonic acid [illegible]																[illegible]
4-Chloro-o-phenylenediamine [illegible]																[illegible]
4-Chloro-o-toluidine [illegible]																[illegible]
5-Chloro-o-toluidine [illegible]																[illegible]

SUBSTANCE CAS #	ACGIH TLVs TWA ppm	ACGIH TLVs TWA mg/m³	ACGIH TLVs STEL/CEIL(C) ppm	ACGIH TLVs STEL/CEIL(C) mg/m³	OSHA PELs TWA ppm	OSHA PELs TWA mg/m³	OSHA PELs STEL/CEIL(C) ppm	OSHA PELs STEL/CEIL(C) mg/m³	NIOSH RELs TWA ppm	NIOSH RELs TWA mg/m³	NIOSH RELs STEL/CEIL(C) ppm	NIOSH RELs STEL/CEIL(C) mg/m³	DFG MAKs TWA ppm	DFG MAKs TWA mg/m³	DFG MAKs PEAK	CARCINOGEN
Chlorosulfonic Hydrolysis [illegible]	[illegible]	6320		*	300	6320			300	6320						
Chlorosilane [illegible] [illegible]	[illegible]	[illegible]			[illegible]	[illegible]			[illegible]	[illegible]			[illegible]	[illegible]		
3-Chloroprene [illegible]	[illegible]	36			[illegible]	35				[illegible]	[illegible]	23.6	[illegible]	36	[illegible]	[illegible]
		Skin				Skin				Ca				[illegible]		
2-Chloropropionic Acid [illegible]	[illegible]	[illegible]														
		Skin														
o-Chlorostyrene [illegible]	50	283	[illegible]	425	50	285	[illegible]	430	50	285	[illegible]	430				
o-Chlorotoluene [illegible]	50	259			50	250			50	250	[illegible]	375				
2-Chloro-6-(trichloromethyl) pyridine [illegible] 929-82-4		[illegible]		20		[illegible]				[illegible]		20*				
						*Total dust **Respirable fraction				*Total dust **Respirable fraction						
Chlorpyrifos [illegible] 2921-88-2		[illegible]				[illegible]				[illegible]		0.2				
		Skin				Skin				Skin						
Chromates, alkaline, as Cr		[illegible]		*				[illegible] as CrO_3								MAK A2

SUBSTANCE CAS #	ACGIH TLVs TWA ppm	ACGIH TLVs TWA mg/m³	ACGIH TLVs STEL/CEIL(C) ppm	ACGIH TLVs STEL/CEIL(C) mg/m³	OSHA PELs TWA ppm	OSHA PELs TWA mg/m³	OSHA PELs STEL/CEIL(C) ppm	OSHA PELs STEL/CEIL(C) mg/m³	NIOSH RELs TWA ppm	NIOSH RELs TWA mg/m³	NIOSH RELs STEL/CEIL(C) ppm	NIOSH RELs STEL/CEIL(C) mg/m³	DFG MAKs TWA ppm	DFG MAKs TWA mg/m³	DFG MAKs PEAK	CARCINOGEN
Chromic acid [illegible] and chromates		[illegible] as Cr						[illegible] as CrO_3		[illegible] as Cr						MAK A2 [illegible]
										Ca						
Chromite ore processing (Chromate), as Cr		0.05 A1														[illegible]
Chromium carbonyl [illegible] 7007-92-6																ARC 3 MAK-6
Chromium (II) compounds, as Cr		0.5				0.5				0.5						
Chromium (III) compounds, as Cr		0.5				0.5				0.5						ARC 3 MAK A2
Chromium (VI) compounds, as Cr, water soluble		0.05						[illegible] as CrO_3		0.001						[illegible] ARC 1 MAK-A2 [illegible]
		[illegible]								Ca						
Chromium (VI) compounds, as Cr, insoluble water insoluble		0.05 A1						[illegible] as CrO_3		0.001						[illegible] ARC 1 [illegible]
										Ca						
Chromium Metal [illegible] 7440-47-3		0.5				1				0.5						
Chromium trioxide, as Cr [illegible] 1333-82-0		0.05						[illegible] as CrO_3								ARC 1 MAK-A2 [illegible]

SUBSTANCE CAS #	ACGIH TLVs TWA ppm	ACGIH TLVs TWA mg/m³	ACGIH TLVs STEL/CEIL(C) ppm	ACGIH TLVs STEL/CEIL(C) mg/m³	OSHA PELs TWA ppm	OSHA PELs TWA mg/m³	OSHA PELs STEL/CEIL(C) ppm	OSHA PELs STEL/CEIL(C) mg/m³	NIOSH RELs TWA ppm	NIOSH RELs TWA mg/m³	NIOSH RELs STEL/CEIL(C) ppm	NIOSH RELs STEL/CEIL(C) mg/m³	DFG MAKs TWA ppm	DFG MAKs TWA mg/m³	DFG MAKs PEAK	CARCINOGEN
Chromyl chloride [illegible]	[illegible]	[illegible]							[illegible]							[illegible]
Chrysene [illegible]	A2	A2			[illegible]				[illegible]					[illegible]		[illegible]
Cinnabar [illegible]		[illegible]			[illegible]				[illegible]				[illegible]			[illegible]
Cisplatin [illegible]																[illegible]
Citrus Red No. 2 [illegible]																[illegible]
Clopidol [illegible]		[illegible]			[illegible]				[illegible]		[illegible]					
Coal dust		[illegible]			[illegible]											
Coal tar pitch volatiles as benzene solubles [illegible]		[illegible]			[illegible]				[illegible]							[illegible]
Cobalt elemental [illegible] & inorganic compounds, as Co		[illegible]			[illegible]				[illegible]				[illegible]			[illegible]

SUBSTANCE CAS #	ACGIH TLVs TWA ppm	ACGIH TLVs TWA mg/m³	ACGIH TLVs STEL/CEIL(C) ppm	ACGIH TLVs STEL/CEIL(C) mg/m³	OSHA PELs TWA ppm	OSHA PELs TWA mg/m³	OSHA PELs STEL/CEIL(C) ppm	OSHA PELs STEL/CEIL(C) mg/m³	NIOSH RELs TWA ppm	NIOSH RELs TWA mg/m³	NIOSH RELs STEL/CEIL(C) ppm	NIOSH RELs STEL/CEIL(C) mg/m³	DFG MAKs TWA ppm	DFG MAKs TWA mg/m³	DFG MAKs PEAK	CARCINOGEN
Cobalt carbonyl, as Co [illegible]		[illegible]				[illegible]				[illegible]					(S)	[illegible]
Cobalt hydrocarbonyl, as Co [illegible]		[illegible]				[illegible]				[illegible]					(S)	[illegible]
Coke oven emissions						[illegible]				[illegible]						[illegible]
Copper fume [illegible]		[illegible]				[illegible]				[illegible]			[illegible]		(R)	
Copper [illegible] dusts & mists, as Cu		[illegible]				[illegible]				[illegible]			[illegible]		(G)	[illegible]
Cotton dust, raw		[illegible]				[illegible]				[illegible]			[illegible]		(G)	
p-Cresidine [illegible]																[illegible]
m, o, p-cresols [illegible]	[illegible]	[illegible]			[illegible]	[illegible]			[illegible]	[illegible]			[illegible]	[illegible]	(R)	
Cristobalite [illegible]		[illegible]				[illegible]				[illegible]			[illegible]		(R)	[illegible]

SUBSTANCE CAS #	ACGIH TLVs TWA ppm	ACGIH TLVs TWA mg/m³	ACGIH TLVs STEL/CEIL(C) ppm	ACGIH TLVs STEL/CEIL(C) mg/m³	OSHA PELs TWA ppm	OSHA PELs TWA mg/m³	OSHA PELs STEL/CEIL(C) ppm	OSHA PELs STEL/CEIL(C) mg/m³	NIOSH RELs TWA ppm	NIOSH RELs TWA mg/m³	NIOSH RELs STEL/CEIL(C) ppm	NIOSH RELs STEL/CEIL(C) mg/m³	DFG MAKs TWA ppm	DFG MAKs TWA mg/m³	DFG MAKs PEAK	CARCINOGEN
[illegible]	[illegible]				[illegible]				[illegible]				[illegible]			[illegible]
[illegible]	[illegible]				[illegible]				[illegible]				[illegible]			[illegible]
Cyclohexane [illegible]	[illegible]				[illegible]				[illegible]							[illegible]
Cyclohexanol [illegible]		5				5				5		20				
Cyclohexene [illegible]	50	245			50	245			50	245			50	245		
Cyclohexane [illegible]		1														[illegible]
Cyclohexylamine [illegible]		2				2				2						
Cyanide, Calcium as CN [illegible]		5				5				[illegible]		5		5		
Cyanide, Potassium as CN [illegible]		5				5				[illegible]		5		5		
Cyanide, Sodium, as CN [illegible]		5				5				[illegible]		5		5		

SUBSTANCE CAS #	ACGIH TLVs TWA ppm	ACGIH TLVs TWA mg/m³	ACGIH TLVs STEL/CEIL(C) ppm	ACGIH TLVs STEL/CEIL(C) mg/m³	OSHA PELs TWA ppm	OSHA PELs TWA mg/m³	OSHA PELs STEL/CEIL(C) ppm	OSHA PELs STEL/CEIL(C) mg/m³	NIOSH RELs TWA ppm	NIOSH RELs TWA mg/m³	NIOSH RELs STEL/CEIL(C) ppm	NIOSH RELs STEL/CEIL(C) mg/m³	DFG MAKs TWA ppm	DFG MAKs TWA mg/m³	DFG MAKs PEAK	CARCINOGEN
Cyanogen [illegible]	[illegible]	21			[illegible]	20			[illegible]	20			[illegible]	22	[illegible]	
Cyanogen chloride [illegible]				[illegible]				[illegible]				[illegible]				
Cyanuric [illegible]																[illegible]
Cyclohexane [illegible]	300	[illegible]			300	1050			300	[illegible]			300	[illegible]	[illegible]	
Cyclohexanol [illegible]	50	200			50	200			50	200			50	200	[illegible]	
Cyclohexanone [illegible]	25	100			25	100			25	[illegible]			50	200	[illegible]	[illegible]
Cyclohexene [illegible]	300	[illegible]			300	[illegible]			300	[illegible]			300	[illegible]	[illegible]	
[illegible] [illegible]	[illegible]	41			10	40			10	40			10	40	[illegible]	
Cyclohexylmercaptan [illegible]												[illegible]				

SUBSTANCE CAS #	ACGIH TLVs TWA ppm	ACGIH TLVs TWA mg/m³	ACGIH TLVs STEL/CEIL(C) ppm	ACGIH TLVs STEL/CEIL(C) mg/m³	OSHA PELs TWA ppm	OSHA PELs TWA mg/m³	OSHA PELs STEL/CEIL(C) ppm	OSHA PELs STEL/CEIL(C) mg/m³	NIOSH RELs TWA ppm	NIOSH RELs TWA mg/m³	NIOSH RELs STEL/CEIL(C) ppm	NIOSH RELs STEL/CEIL(C) mg/m³	DFG MAKs TWA ppm	DFG MAKs TWA mg/m³	DFG MAKs PEAK	CARCINOGEN
Cyclohexane [illegible]	[illegible]	[illegible]			[illegible]	[illegible]			[illegible]	[illegible]		[illegible]				
Cyclopentadiene [illegible]	[illegible]	[illegible]			[illegible]	[illegible]			[illegible]	[illegible]			[illegible]	[illegible]		
Cyclopentane [illegible]	[illegible]	[illegible]			[illegible]	[illegible]			[illegible]	[illegible]						
Cyclopentanethiol [illegible]																[illegible]
Cynazine [illegible]	[illegible]				[illegible]				[illegible]							
2,4-D [illegible] [illegible]	[illegible]				[illegible]				[illegible]				[illegible]		[illegible]	
DDT [illegible] [illegible] 50-29-3	[illegible]				[illegible]				[illegible]				[illegible]		[illegible]	[illegible]
Decamethrine [illegible]																[illegible]
Decamethyltin [illegible]																[illegible]

SUBSTANCE CAS #	ACGIH TLVs TWA ppm	ACGIH TLVs TWA mg/m³	ACGIH TLVs STEL/CEIL(C) ppm	ACGIH TLVs STEL/CEIL(C) mg/m³	OSHA PELs TWA ppm	OSHA PELs TWA mg/m³	OSHA PELs STEL/CEIL(C) ppm	OSHA PELs STEL/CEIL(C) mg/m³	NIOSH RELs TWA ppm	NIOSH RELs TWA mg/m³	NIOSH RELs STEL/CEIL(C) ppm	NIOSH RELs STEL/CEIL(C) mg/m³	DFG MAKs TWA ppm	DFG MAKs TWA mg/m³	DFG MAKs PEAK	CARCINOGEN
Decaborane [illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
Decylmercaptan [illegible]											[illegible]	[illegible]				
Demeton-methyl [illegible] [illegible]	[illegible]				[illegible]				[illegible]				[illegible]	[illegible]	[illegible]	
Demeton [illegible] [illegible]	[illegible]	[illegible]			[illegible]				[illegible]				[illegible]	[illegible]	[illegible]	
Diacetone alcohol [illegible] [illegible]	[illegible]	[illegible]			[illegible]	[illegible]			[illegible]	[illegible]			[illegible]	[illegible]		
[illegible] 613-33-4																[illegible]
2,4-Diaminotoluene [illegible]																[illegible]
[illegible] [illegible]																[illegible]
3,3-Dianisidine [illegible]																[illegible]

SUBSTANCE CAS #	ACGIH TLVs TWA ppm	ACGIH TLVs TWA mg/m³	ACGIH TLVs STEL/CEIL(C) ppm	ACGIH TLVs STEL/CEIL(C) mg/m³	OSHA PELs TWA ppm	OSHA PELs TWA mg/m³	OSHA PELs STEL/CEIL(C) ppm	OSHA PELs STEL/CEIL(C) mg/m³	NIOSH RELs TWA ppm	NIOSH RELs TWA mg/m³	NIOSH RELs STEL/CEIL(C) ppm	NIOSH RELs STEL/CEIL(C) mg/m³	DFG MAKs TWA ppm	DFG MAKs TWA mg/m³	DFG MAKs PEAK	CARCINOGEN
4,4'-Diaminodiphenyl ether [illegible]																[illegible]
4,4'-Diaminodiphenylmethane [illegible]															[illegible]	[illegible]
1,2-Diaminoethane [illegible]	3	25			10	25			10	25			0	25	[illegible]	
2,4-Diaminotoluene [illegible]																[illegible]
o-Dianisidine base dyes [illegible]										[illegible]						[illegible]
Diatomaceous earth [illegible]		3				6				5						
Diazinon [illegible]		[illegible]				[illegible]				[illegible]				[illegible]		
Diazomethane [illegible]	[illegible]	[illegible]			[illegible]	[illegible]			[illegible]	[illegible]						[illegible]
Dibenzo[a,h]acridine [illegible]																[illegible]

SUBSTANCE CAS #	ACGIH TLVs TWA ppm	ACGIH TLVs TWA mg/m³	ACGIH TLVs STEL/CEIL(C) ppm	ACGIH TLVs STEL/CEIL(C) mg/m³	OSHA PELs TWA ppm	OSHA PELs TWA mg/m³	OSHA PELs STEL/CEIL(C) ppm	OSHA PELs STEL/CEIL(C) mg/m³	NIOSH RELs TWA ppm	NIOSH RELs TWA mg/m³	NIOSH RELs STEL/CEIL(C) ppm	NIOSH RELs STEL/CEIL(C) mg/m³	DFG MAKs TWA ppm	DFG MAKs TWA mg/m³	DFG MAKs PEAK	CARCINOGEN
Dibenz[a,j]acridine 224-42-0																IARC 2B NTP 2
Dibenz[a,h]anthracene 53-70-3																[illegible] IARC 2A NTP 2
7H-Dibenz[c,g]carbazole [illegible]																IARC 2B NTP 2
Dibenzo[a,e]pyrene [illegible]																IARC 2B NTP 2
Dibenzo[a,i]pyrene [illegible]																IARC 2B NTP 2
Dibenzo[a,l]pyrene [illegible]																[illegible] IARC 2B NTP 2
Dibenzoyl peroxide [illegible]														5		
[illegible] [illegible]	0.1	0.11			0.1	0.1			0.1	0.1			0.1	0.1		
Dibromo [illegible] [illegible]		3				3				3				3		

SUBSTANCE	ACGIH TLVs TWA ppm	ACGIH TLVs TWA mg/m³	ACGIH TLVs STEL/CEIL(C) ppm	ACGIH TLVs STEL/CEIL(C) mg/m³	OSHA PELs TWA ppm	OSHA PELs TWA mg/m³	OSHA PELs STEL/CEIL(C) ppm	OSHA PELs STEL/CEIL(C) mg/m³	NIOSH RELs TWA ppm	NIOSH RELs TWA mg/m³	NIOSH RELs STEL/CEIL(C) ppm	NIOSH RELs STEL/CEIL(C) mg/m³	DFG MAKs TWA ppm	DFG MAKs TWA mg/m³	DFG MAKs PEAK	CARCINOGEN
2-Bromo-3-chloropropane (DBCP) [illegible]					[illegible]											[illegible]
1,2-Dibromoethane (ethylene dibromide) [illegible]	[illegible]	[illegible]			[illegible]				[illegible]							[illegible]
2,6-Dichlorobenzonitrile [illegible]	[illegible]	[illegible]			[illegible]	[illegible]			[illegible]	[illegible]						
Dibutyl phosphate [illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
Dibutyl phenyl phosphate [illegible]	[illegible]	[illegible]														
Dibutyl phosphite [illegible]		[illegible]				[illegible]				[illegible]						
Dichloroacetylene [illegible]			[illegible]	[illegible]			[illegible]	[illegible]			[illegible]	[illegible]				[illegible]
o-Dichlorobenzene (1,2-dichlorobenzene) [illegible]	[illegible]	[illegible]	[illegible]	[illegible]			[illegible]	[illegible]			[illegible]	[illegible]	50	300	[illegible]	
p-Dichlorobenzene (1,4-dichlorobenzene) [illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]					50	300	[illegible]	[illegible]

SUBSTANCE CAS #	ACGIH TLVs TWA ppm	ACGIH TLVs TWA mg/m³	ACGIH TLVs STEL/CEIL(C) ppm	ACGIH TLVs STEL/CEIL(C) mg/m³	OSHA PELs TWA ppm	OSHA PELs TWA mg/m³	OSHA PELs STEL/CEIL(C) ppm	OSHA PELs STEL/CEIL(C) mg/m³	NIOSH RELs TWA ppm	NIOSH RELs TWA mg/m³	NIOSH RELs STEL/CEIL(C) ppm	NIOSH RELs STEL/CEIL(C) mg/m³	DFG MAKs TWA ppm	DFG MAKs TWA mg/m³	DFG MAKs PEAK	CARCINOGEN
3,3'-Dichlorobenzidine [illegible]		A2														[illegible]
1,4-Dichloro-2-butene [illegible]	VC-1 [illegible] A2	[illegible] A2														[illegible]
3,3'-Dichloro-4,4'-diaminodiphenyl ether [illegible]																[illegible]
Dichlorodifluoromethane [illegible]	1000	4950			1000	4950			1000	4950			1000	5000	[illegible] (C)	
1,3-Dichloro-5,5-dimethylhydantoin [illegible]		0.2		0.4		0.2		0.4		0.2		0.4				
1,1-Dichloroethane (ethylidene chloride) [illegible]	100	405			100	405			100	405			100	405	[illegible] (C)	[illegible]
1,2-Dichloroethane (ethylene dichloride) [illegible]	10	40			1	4	2	8	1	4	2	8				[illegible]
1,1-Dichloroethylene (vinylidene chloride) [illegible]	5	20	20	79	1	4							2	8	[illegible] (C)	[illegible]
1,2-Dichloroethylene (acetylene dichloride) [illegible]	200	793			200	790			200	790			200	790		

SUBSTANCE CAS #	ACGIH TLVs TWA ppm	ACGIH TLVs TWA mg/m³	ACGIH TLVs STEL/CEIL(C) ppm	ACGIH TLVs STEL/CEIL(C) mg/m³	OSHA PELs TWA ppm	OSHA PELs TWA mg/m³	OSHA PELs STEL/CEIL(C) ppm	OSHA PELs STEL/CEIL(C) mg/m³	NIOSH RELs TWA ppm	NIOSH RELs TWA mg/m³	NIOSH RELs STEL/CEIL(C) ppm	NIOSH RELs STEL/CEIL(C) mg/m³	DFG MAKs TWA ppm	DFG MAKs TWA mg/m³	DFG MAKs PEAK	CARCINOGEN
Dichlorodiethyl ether [illegible]	5	29	0	58	5	30	0	60	5	30	0	60	0	60	[illegible]	[illegible]
	Skin				Skin				Ca Skin				[illegible]			
Dichlorodifluoromethane [illegible] 75-43-4	0	42			0	40			0	40			0	49	[illegible]	
Dichloromethane [illegible] 75-09-2	50 A2	[illegible] A2			500	[illegible]							100	360	[illegible]	[illegible]
					[illegible]				Ca [illegible]					(C)		
1,2-Dichloromethoxyethane [illegible]						[illegible]								[illegible]		[illegible]
1,1-Dichloro-1-nitroethane [illegible]	2	12	[illegible]		2	10	[illegible]		2	0			10	60		
2,4-Dichlorophenoxyacetic acid 2,4-D [illegible]		10				0				10				10	[illegible]	
														(C)		
2,4-Dichlorophenyl-p-nitrophenyl ether [illegible] 136-75-5													[illegible]			[illegible]
1,2-Dichloropropane Propylene dichloride 78-87-5	75	347	[illegible]	508	75	350	[illegible]	[illegible]					75	350	[illegible]	[illegible]
									Ca [illegible]							
1,3-Dichloropropene 542-75-6	[illegible]	4.5		[illegible]	[illegible]	5			[illegible]	5						[illegible]
	Skin				Skin				Ca Skin							

SUBSTANCE CAS #	ACGIH TLVs TWA ppm	ACGIH TLVs TWA mg/m³	ACGIH TLVs STEL/CEIL(C) ppm	ACGIH TLVs STEL/CEIL(C) mg/m³	OSHA PELs TWA ppm	OSHA PELs TWA mg/m³	OSHA PELs STEL/CEIL(C) ppm	OSHA PELs STEL/CEIL(C) mg/m³	NIOSH RELs TWA ppm	NIOSH RELs TWA mg/m³	NIOSH RELs STEL/CEIL(C) ppm	NIOSH RELs STEL/CEIL(C) mg/m³	DFG MAKs TWA ppm	DFG MAKs TWA mg/m³	DFG MAKs PEAK	CARCINOGEN
2,2-Dichlorovinyl acid [illegible] 75-99-0	[illegible]	5.8	[illegible]		[illegible]	6			[illegible]	6			[illegible]	6		
Dichlorovinylmethane [illegible] 75-14-2	[illegible]200	6980			[illegible]000	[illegible]000	[illegible]		[illegible]000	[illegible]000	[illegible]		[illegible]000	[illegible]000	[illegible]	
Dichlorvos (DDVP) [illegible] 62-73-7	0.1	0.9	[illegible]			1	[illegible]			1	[illegible]		0.1	1	[illegible]	[illegible]
		Skin (G)				Skin				Skin				(C) (H)		
Dicrotophos [illegible] 141-66-2		0.25	[illegible]			0.25	[illegible]			0.25	[illegible]				[illegible]	
		Skin				Skin				Skin						
Dicyclopentadiene [illegible] 77-73-6	5	27	[illegible]		5	30	[illegible]		5	30	[illegible]		0.5	3	[illegible]	
Dicyclopentadienyl iron (ferrocene) [illegible] 102-54-5		10	[illegible]			10* 5**	[illegible]			10* 5**	[illegible]				[illegible]	
					*Total dust	**Respirable fraction			*Total dust	**Respirable fraction						
Dieldrin [illegible] 60-57-1		0.25	[illegible]			0.25	[illegible]			0.25	[illegible]			0.25	[illegible]	[illegible]
		Skin				Skin				Ca Skin (LOD 0.15 mg/m³)				(G) (H)		
Diepoxybutane [illegible] 1464-53-5			[illegible]				[illegible]				[illegible]				[illegible]	[illegible]
Diesel engine exhaust [illegible]							[illegible]				[illegible]				[illegible]	[illegible]
									Ca [illegible]							

SUBSTANCE	ACGIH TLVs				OSHA PELs				NIOSH RELs				DFG MAKs			
	TWA		STEL/CEIL(C)		TWA		STEL/CEIL(C)		TWA		STEL/CEIL(C)		TWA		PEAK	CARCINOGEN
CAS #	ppm	mg/m³	ppm	mg/m³	ppm	mg/m³	ppm	mg/m³	ppm	mg/m³	ppm	mg/m³	ppm	mg/m³		
[illegible]	[illegible]	[illegible]			[illegible]	[illegible]			[illegible]	[illegible]						
[illegible]																
Diethylamine	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]												
2-Diethylaminoethanol	[illegible]	[illegible]			[illegible]	[illegible]			[illegible]	[illegible]			[illegible]	[illegible]		
[illegible]		Skin				Skin				Skin						
Diethylcarbamoyl chloride																[illegible]
[illegible]																
Diethylhexylamine and 2-chloroethyl-ester																[illegible]
[illegible]																
Diethylene triamine	[illegible]	[illegible]			[illegible]	[illegible]			[illegible]	[illegible]						
[illegible]		Skin								Skin						
Diethyl ether	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]					[illegible]	[illegible]		
[illegible]																
3,4-2 ethylhexyl phthalate		[illegible]		[illegible]		[illegible]		[illegible]		[illegible]		[illegible]		[illegible]	[illegible]	[illegible]
[illegible]																
1,2-Diethylhydrazine																[illegible]
[illegible]																

SUBSTANCE	ACGIH TLVs				OSHA PELs				NIOSH RELs				DFG MAKs			
	TWA		STEL/CEIL(C)		TWA		STEL/CEIL(C)		TWA		STEL/CEIL(C)		TWA		PEAK	CARCINOGEN
CAS #	ppm	mg/m³	ppm	mg/m³	ppm	mg/m³	ppm	mg/m³	ppm	mg/m³	ppm	mg/m³	ppm	mg/m³		
Diethyl ketone	200	705			200	705			200	705						
96-22-0																
Diethyl phthalate		5				5				5						
84-66-2																
Diethylstilbestrol																[illegible]
56-53-1																
Diethyl sulfate																[illegible]
64-67-5																
Diflorasone diacetate	100	660			100	660			100	660			100	660		
79-61-6																
1,1-Difluoroethylene																[illegible]
75-38-7																
Diglycidyl ether (DGE)	0.1	0.53			0.1	0.5			0.1	0.5			0.1	0.6		
2238-07-5																
[illegible]																[illegible]
[illegible]																
Dihydrosafrole																[illegible]
94-58-6																

SUBSTANCE / CAS #	ACGIH TLVs TWA ppm	ACGIH TLVs TWA mg/m³	ACGIH TLVs STEL/CEIL(C) ppm	ACGIH TLVs STEL/CEIL(C) mg/m³	OSHA PELs TWA ppm	OSHA PELs TWA mg/m³	OSHA PELs STEL/CEIL(C) ppm	OSHA PELs STEL/CEIL(C) mg/m³	NIOSH RELs TWA ppm	NIOSH RELs TWA mg/m³	NIOSH RELs STEL/CEIL(C) ppm	NIOSH RELs STEL/CEIL(C) mg/m³	DFG MAKs TWA ppm	DFG MAKs TWA mg/m³	DFG MAKs PEAK	CARCINOGEN
Dimethylbenzene (m-xylene) [illegible]		2				2						22		2	0	
Dimethylketone [illegible]	25	45			25	50			25	50			50	200		
Dimethylamine [illegible]	5	[illegible]			5	20			5	20						
3,3'-Dimethylbenzidine 4-[illegible] [illegible]																[illegible]
Dimethylmethane [illegible]	[illegible]	[illegible]			[illegible]	[illegible]			[illegible]	[illegible]			[illegible]	[illegible]		
N,N-Dimethylacetamide [illegible]	[illegible]	36			[illegible]	35			[illegible]	35			[illegible]	35		
Dimethylamine [illegible]	5	[illegible]	5	[illegible]	[illegible]	[illegible]			[illegible]	8			[illegible]	[illegible]		
4-Dimethylaminoazobenzene [illegible]																[illegible]
Dimethylaminobenzene [illegible]	[illegible] A2	[illegible] A2			2	10			2	10			5	25		[illegible] A2

SUBSTANCE / CAS #	ACGIH TLVs TWA ppm	ACGIH TLVs TWA mg/m³	ACGIH TLVs STEL/CEIL(C) ppm	ACGIH TLVs STEL/CEIL(C) mg/m³	OSHA PELs TWA ppm	OSHA PELs TWA mg/m³	OSHA PELs STEL/CEIL(C) ppm	OSHA PELs STEL/CEIL(C) mg/m³	NIOSH RELs TWA ppm	NIOSH RELs TWA mg/m³	NIOSH RELs STEL/CEIL(C) ppm	NIOSH RELs STEL/CEIL(C) mg/m³	DFG MAKs TWA ppm	DFG MAKs TWA mg/m³	DFG MAKs PEAK	CARCINOGEN
bis(2-Dimethylamino-ethyl) ether [illegible]									Minimum exposure to NIOSH Carcinogen ESN							
[illegible]																[illegible]
Dimethylaminopro-pionitrile [illegible]																
Dimethylaniline (N,N-Dimethylaniline) [illegible]	5	25	10	50	5	25	10	50	5	25	10	50	5	25	[illegible]	[illegible]
Dimethylacetamide [illegible] [illegible]	100	434	150	651	100	435	150	655	100	435	150	660	100	440	[illegible]	
3,3'-Dimethylbenzidine [illegible]																[illegible]
Dimethyl carbamoyl chloride [illegible]	A2	A2														[illegible]
[illegible]-1,2-carbamo-2,2-[illegible] phosphate [illegible]		3				3				3				3	[illegible]	
Dimethyl ether [illegible]													[illegible]	[illegible]		

SUBSTANCE CAS #	ACGIH TLVs TWA ppm	ACGIH TLVs TWA mg/m³	ACGIH TLVs STEL/CEIL(C) ppm	ACGIH TLVs STEL/CEIL(C) mg/m³	OSHA PELs TWA ppm	OSHA PELs TWA mg/m³	OSHA PELs STEL/CEIL(C) ppm	OSHA PELs STEL/CEIL(C) mg/m³	NIOSH RELs TWA ppm	NIOSH RELs TWA mg/m³	NIOSH RELs STEL/CEIL(C) ppm	NIOSH RELs STEL/CEIL(C) mg/m³	DFG MAKs TWA ppm	DFG MAKs TWA mg/m³	DFG MAKs PEAK	CARCINOGEN
N,N-Dimethylethylamine [illegible]													25	75		
Dimethylformamide [illegible]	10	30			10	30			10	30			10	30		[illegible]
			Skin				Skin				Skin					
2,6-Dimethyl-4-heptanone (Diisobutyl ketone) [illegible]	25	145			25	150			25	150			50	290		
1,1-Dimethylhydrazine [illegible]	0.5 A2	0.9 A2			0.5	1					0.06	0.15				[illegible]
			Skin				Skin				Ca [illegible] 30-min TWA sampling				[illegible] 5	
1,2-Dimethylhydrazine [illegible]															[illegible] 5	[illegible]
N,N-Dimethylacetamide [illegible]		A2														[illegible]
			Skin				Ca-See 29 CFR 1910.1026				Ca-See 29 CFR 1910.1026					
Dimethylamine [illegible]		5				5				5						[illegible]
Dimethylsulfamoylchloride [illegible]																[illegible] A2
Dimethylvinyl chloride [illegible]																[illegible]

SUBSTANCE CAS #	ACGIH TLVs TWA ppm	ACGIH TLVs TWA mg/m³	ACGIH TLVs STEL/CEIL(C) ppm	ACGIH TLVs STEL/CEIL(C) mg/m³	OSHA PELs TWA ppm	OSHA PELs TWA mg/m³	OSHA PELs STEL/CEIL(C) ppm	OSHA PELs STEL/CEIL(C) mg/m³	NIOSH RELs TWA ppm	NIOSH RELs TWA mg/m³	NIOSH RELs STEL/CEIL(C) ppm	NIOSH RELs STEL/CEIL(C) mg/m³	DFG MAKs TWA ppm	DFG MAKs TWA mg/m³	DFG MAKs PEAK	CARCINOGEN
Dimethyl sulfate [illegible]	[illegible] A2	[illegible] A2			[illegible]	0.5			[illegible]	0.5						[illegible] A2 [illegible] A2 [illegible] A2 [illegible]
			Skin				Skin				Ca Skin				[illegible]	
Dimethylsulfoxide (Dimethyl sulfoxide) [illegible]		5				5				5						
Dimethylsulfoxide (all isomers) 526-29-0	[illegible]	1				1				1				1		[illegible] A4
			Skin (B) CAS No 526-29-0 99-65-0 100-25-4				Skin CAS No 526-29-0 99-65-0 100-25-4				Skin				(H)	
Dimethylphthalate (all isomers) [illegible]																[illegible] A4
Dioxane-p-cresol [illegible]		0.2				0.2				0.2				0.2		
			Skin				Skin				Skin				(G) (H)	
2,5-Dioxane-p-cresol (Dimethylol [illegible]) [illegible]		5				5				5						
Dioxathiane [illegible]		[illegible] A2				1.5				1.5						[illegible] A2
			Skin (B)				Skin				Ca Skin				(H)	
1,4-Dioxane [illegible]	25	90			25	90					C1 [illegible] 30-min		50	180	(G) (H)	[illegible] A2
			Skin				Skin				Ca					
Dioxathion (Delnav) [illegible]		0.2				0.2				0.2						
			Skin (B)				Skin				Skin					

SUBSTANCE CAS #	ACGIH TLVs TWA ppm	ACGIH TLVs TWA mg/m³	ACGIH TLVs STEL/CEIL(C) ppm	ACGIH TLVs STEL/CEIL(C) mg/m³	OSHA PELs TWA ppm	OSHA PELs TWA mg/m³	OSHA PELs STEL/CEIL(C) ppm	OSHA PELs STEL/CEIL(C) mg/m³	NIOSH RELs TWA ppm	NIOSH RELs TWA mg/m³	NIOSH RELs STEL/CEIL(C) ppm	NIOSH RELs STEL/CEIL(C) mg/m³	DOE IDLHs TWA ppm	DOE IDLHs TWA mg/m³	DOE IDLHs PEAK	CARCINOGEN
[illegible]	[illegible]	[illegible]			[illegible]	[illegible]			[illegible]	[illegible]			[illegible]			
Dienoxylamine [illegible]		[illegible]				[illegible]				[illegible]						
Dienoxyl ether Dienoxyl nitrate (vapor)																
[illegible]	[illegible]	[illegible]					[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		
Dioxolane [illegible]	30	638	50	309	100	600	50	300	30	600	150	900	50	200		
Dipropyl ketone [illegible]	[illegible]	[illegible]			50	235			50	235						
Diquat [illegible]	[illegible]	[illegible]				[illegible]				[illegible]						
Direct black 38 (technical grade) [illegible]																
Direct blue 6 (technical grade) [illegible]																

SUBSTANCE CAS #	ACGIH TLVs TWA ppm	ACGIH TLVs TWA mg/m³	ACGIH TLVs STEL/CEIL(C) ppm	ACGIH TLVs STEL/CEIL(C) mg/m³	OSHA PELs TWA ppm	OSHA PELs TWA mg/m³	OSHA PELs STEL/CEIL(C) ppm	OSHA PELs STEL/CEIL(C) mg/m³	NIOSH RELs TWA ppm	NIOSH RELs TWA mg/m³	NIOSH RELs STEL/CEIL(C) ppm	NIOSH RELs STEL/CEIL(C) mg/m³	DOE IDLHs TWA ppm	DOE IDLHs TWA mg/m³	DOE IDLHs PEAK	CARCINOGEN
Di-sec-octyl-phthalate Di(2-ethylhexyl) phthalate; [illegible]		5		10		5		10		5		10		10	[illegible]	[illegible]
Disulfiram [illegible]		2				2				2				2	[illegible]	
Disulfoton [illegible]		0.1				0.1				0.1						
2,6-Di-tert-butyl-p-cresol [illegible]		10				10				10						
Diuron [illegible]		10				10				10						
Divinyl benzene [illegible]	[illegible]	53			10	50			10	50						
Dodecylmercaptan [illegible]											CB 5	CA 1				
[illegible] [illegible]		10				[illegible]										
Endosulfan [illegible]		0.1				0.1				0.1						

SUBSTANCE CAS #	ACGIH TLVs TWA ppm	ACGIH TLVs TWA mg/m³	ACGIH TLVs STEL/CEIL(C) ppm	ACGIH TLVs STEL/CEIL(C) mg/m³	OSHA PELs TWA ppm	OSHA PELs TWA mg/m³	OSHA PELs STEL/CEIL(C) ppm	OSHA PELs STEL/CEIL(C) mg/m³	NIOSH RELs TWA ppm	NIOSH RELs TWA mg/m³	NIOSH RELs STEL/CEIL(C) ppm	NIOSH RELs STEL/CEIL(C) mg/m³	DFG MAKs TWA ppm	DFG MAKs TWA mg/m³	DFG MAKs PEAK	CARCINOGEN
Endrin [illegible]	[illegible] Skin				[illegible] Skin				[illegible] Skin				[illegible]		[illegible]	[illegible]
Enflurane [illegible]	[illegible]	[illegible]									[illegible] 90-min TWA sampling					[illegible]
Enzymes [illegible]				[illegible]				[illegible]				[illegible] 90-min STEL				
Epichlorohydrin [illegible] [illegible]	2 [illegible] Skin	[illegible]			2 Skin	8			Ca lowest feasible conc				[illegible]			[illegible]
EPN [illegible]	[illegible] Skin				[illegible] Skin				[illegible] Skin				[illegible]		[illegible]	
1,2-Epoxypropane [illegible]	[illegible]	[illegible]			[illegible]	[illegible]			Ca lowest feasible conc [illegible]							[illegible]
2,3-Epoxy-1-propanol [illegible]	[illegible]	[illegible]			[illegible]	[illegible]			[illegible]	[illegible]			50	50		
Estrogens, conjugated (Indevus)																[illegible]
Ethane [illegible]		[illegible]														

Ethanethiol [illegible] [illegible]	[illegible]	[illegible]			[illegible]	[illegible]					[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
Ethanol [illegible] [illegible]	[illegible]	[illegible]			[illegible]	[illegible]			[illegible]	[illegible]			[illegible]	[illegible]	[illegible] (I)	
Ethanolamine 2-Aminoethanol [illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
Ether [illegible]		[illegible] Skin [illegible]				[illegible] Skin				[illegible] Skin				[illegible]		
2-Ethoxyethanol Ethylene glycol monoethyl ether [illegible]	[illegible] Skin	[illegible]			[illegible] Skin	[illegible]			[illegible] Skin	[illegible]			[illegible] (B) (H)	[illegible]	[illegible]	
2-Ethoxyethyl acetate Ethylene glycol monoethyl ether acetate [illegible]	[illegible] Skin	[illegible]			[illegible] Skin	[illegible]			[illegible] Skin	[illegible]			[illegible] (B) (H)	[illegible]	[illegible]	
Ethyl acetate [illegible]	[illegible]	[illegible]			[illegible]	[illegible]			[illegible]	[illegible]			[illegible]	[illegible]	[illegible]	
Ethyl acrylate Acrylic acid ethyl ester [illegible]	[illegible] A2	[illegible] A2	[illegible] A2	[illegible] A2	[illegible] Skin	[illegible]	[illegible]	[illegible]	Ca lowest feasible conc [illegible]				[illegible] (S)	[illegible]	[illegible]	[illegible]
Ethyl alcohol Ethanol [illegible]	[illegible]	[illegible]			[illegible]	[illegible]			[illegible]	[illegible]			[illegible]	[illegible]	[illegible]	

SUBSTANCE CAS #	ACGIH TLVs TWA ppm	ACGIH TLVs TWA mg/m³	ACGIH TLVs STEL/CEIL(C) ppm	ACGIH TLVs STEL/CEIL(C) mg/m³	OSHA PELs TWA ppm	OSHA PELs TWA mg/m³	OSHA PELs STEL/CEIL(C) ppm	OSHA PELs STEL/CEIL(C) mg/m³	NIOSH RELs TWA ppm	NIOSH RELs TWA mg/m³	NIOSH RELs STEL/CEIL(C) ppm	NIOSH RELs STEL/CEIL(C) mg/m³	DFG MAKs TWA ppm	DFG MAKs TWA mg/m³	DFG MAKs PEAK	CARCINOGEN
Ethylamine [illegible]	[illegible] NC-5	[illegible] 9.2	5	[illegible]	[illegible]	[illegible]			[illegible]	[illegible]			[illegible]	[illegible]		
Ethyl amyl ketone [illegible] [illegible]	[illegible]	[illegible]			[illegible]	[illegible]			[illegible]	[illegible]						
Ethyl benzene [illegible]	30	434	125	543	30	435	125	545	30	435	125	545	30	440		[illegible]
Ethyl bromide [illegible]	5.42	22.42			200	890	250	[illegible]					200	890	[illegible]	[illegible]
Ethyl butyl ketone [illegible]	50	234			50	230			50	230						
Ethyl chloride [illegible]	100	2640			100	2600										[illegible]
Ethylene [illegible]																
Ethylene chlorohydrin [illegible]			[illegible]	[illegible]			[illegible]	[illegible]			[illegible]	[illegible]		[illegible]	[illegible]	
Ethylenediamine [illegible]	[illegible]	25		[illegible]	[illegible]	25			[illegible]	25			[illegible]	25	[illegible]	

SUBSTANCE CAS #	ACGIH TLVs TWA ppm	ACGIH TLVs TWA mg/m³	ACGIH TLVs STEL/CEIL(C) ppm	ACGIH TLVs STEL/CEIL(C) mg/m³	OSHA PELs TWA ppm	OSHA PELs TWA mg/m³	OSHA PELs STEL/CEIL(C) ppm	OSHA PELs STEL/CEIL(C) mg/m³	NIOSH RELs TWA ppm	NIOSH RELs TWA mg/m³	NIOSH RELs STEL/CEIL(C) ppm	NIOSH RELs STEL/CEIL(C) mg/m³	DFG MAKs TWA ppm	DFG MAKs TWA mg/m³	DFG MAKs PEAK	CARCINOGEN
Ethylene dibromide [illegible]	42	42			20*		C30	50*	0.045		[illegible]					[illegible]
Ethylene dichloride [illegible]	[illegible]	40			1	4	2	8	1	4	2	8				[illegible]
Ethylene glycol, vapor [illegible]				C50				C50					10	26		
Ethylene glycol dinitrate [illegible]	0.05	0.31						0.1				0.1	0.05	0.3		
Ethylene glycol methyl ether acetate [illegible]	5	24			25	120			0.1	0.5			5	25		
Ethylene glycol monobutyl ether [illegible]	25	121			25	120			5	24			20	100		
Ethylene glycol monobutyl ether acetate [illegible]									5	31			20	130		
Ethylene glycol monoethyl ether (2-Ethoxyethanol) [illegible]	5	18			200	740			0.5	1.8			20	75		
Ethylene glycol monoethyl ether acetate [illegible]	5	27			100	540			0.5	2.7			20	110		

SUBSTANCE	ACGIH TLVs TWA ppm	ACGIH TLVs TWA mg/m³	ACGIH TLVs STEL/CEIL(C) ppm	ACGIH TLVs STEL/CEIL(C) mg/m³	OSHA PELs TWA ppm	OSHA PELs TWA mg/m³	OSHA PELs STEL/CEIL(C) ppm	OSHA PELs STEL/CEIL(C) mg/m³	NIOSH RELs TWA ppm	NIOSH RELs TWA mg/m³	NIOSH RELs STEL/CEIL(C) ppm	NIOSH RELs STEL/CEIL(C) mg/m³	DFG MAKs TWA ppm	DFG MAKs TWA mg/m³	DFG MAKs PEAK	CARCINOGEN
[illegible]	5	5			25	30			[illegible]	[illegible]			5	5	[illegible]	[illegible]
		Skin			Skin * process [illegible]				Skin					3 [illegible]		
[illegible]	5	24			25	20			[illegible]	[illegible]			5	15		[illegible]
		Skin			Skin * process [illegible]				Skin					9 [illegible]		
Ethylene oxide	42	1 42			[illegible]	25			[illegible]	[illegible] 8	5[illegible]	9[illegible]				[illegible]
75 [illegible] 6					Ca-See 29 CFR [illegible]				Ca [illegible]					[illegible]		
Ethylene thiourea									Ca [illegible]							[illegible]
[illegible]									[illegible]							
Ethylenimine	[illegible]	[illegible]														[illegible]
[illegible]		Skin			Ca-See 29 CFR [illegible]				Ca-See 29 CFR [illegible]					[illegible]		
Ethyl ether	400	[illegible]	500	[illegible]	400	1200	500	1500					400	1200		
[illegible]														[illegible]		
Ethyl formate	100	303			100	300			100	300			100	300		
[illegible]														[illegible]		
Ethylidene chloride	[illegible]	[illegible]	250	[illegible]	[illegible]	400			100	400			100	400		
[illegible]														[illegible]		
Ethylidene norbornene			25	225			25	225			25	225				
[illegible]																

SUBSTANCE CAS #	ACGIH TLVs TWA ppm	ACGIH TLVs TWA mg/m³	ACGIH TLVs STEL/CEIL(C) ppm	ACGIH TLVs STEL/CEIL(C) mg/m³	OSHA PELs TWA ppm	OSHA PELs TWA mg/m³	OSHA PELs STEL/CEIL(C) ppm	OSHA PELs STEL/CEIL(C) mg/m³	NIOSH RELs TWA ppm	NIOSH RELs TWA mg/m³	NIOSH RELs STEL/CEIL(C) ppm	NIOSH RELs STEL/CEIL(C) mg/m³	DFG MAKs TWA ppm	DFG MAKs TWA mg/m³	DFG MAKs PEAK	CARCINOGEN
N-Ethylmorpholine [illegible]-3	5	24			5	23			5	23						
		Skin				Skin				Skin						
Ethyl mercaptan [illegible] [illegible]-1	0.5	1 3			0.5	1					22.5	[illegible] 3	0.5	1		
Ethyl methanesulfonate 62 50-0																EPA [illegible] IARC [illegible] NTP [illegible]
Ethyl [illegible] [illegible] [illegible]-10-4	10	88			10	88			10	88			100	880		
Fenamiphos 22224-92-4		0 1				0 1				0 1						
		Skin (G)				Skin				Skin						
Fenbutatin oxide [illegible] 115-90-2		0 1				0 1				0 1						
		(G)														
Fenthion 55-38-9		0 2				0 2								0 2		III
		Skin (G)				Skin								(G) (H)		
B 14484-64-1		10				10*				10*				15		IARC 3
						*Total dust				*Total dust				(G)		
Ferrovanadium dust 12604-58-9		1		3		1		3		1		3		1		
														(G)		

SUBSTANCE	ACGIH TLVs				OSHA PELs				NIOSH RELs				SPE IDLHs			
	TWA		STEL/CEIL(C)		TWA		STEL/CEIL(C)		TWA		STEL/CEIL(C)		TWA		PEAK	CARCINOGEN
CAS #	ppm	mg/m³	ppm	mg/m³	ppm	mg/m³	ppm	mg/m³	ppm	mg/m³	ppm	mg/m³	ppm	mg/m³		
Fibrous glass dust		5				5 5				5						
Fluorides as F		2.5				2.5				2.5				2.5		
Fluorides and hydrogen fluoride, where both are present														2.5		
Fluorine	1	1.6	2	3.1	1	2.2			1	2.2			1	2.2		
Fluorotrichloromethane (trichlorofluoromethane)			1000	5620			1000	5600			1000	5600	1000	5600		
Fluoxetine											2	12.2				
Fonofos		0.1			0.1					0.1						
Formaldehyde				0.3		0.75		2	0.016		0.1		0.5	0.6		
Formamide	20	30			20	30	30	45	20	30						

SUBSTANCE	ACGIH TLVs				OSHA PELs				NIOSH RELs				SPE IDLHs			
	TWA		STEL/CEIL(C)		TWA		STEL/CEIL(C)		TWA		STEL/CEIL(C)		TWA		PEAK	CARCINOGEN
CAS #	ppm	mg/m³	ppm	mg/m³	ppm	mg/m³	ppm	mg/m³	ppm	mg/m³	ppm	mg/m³	ppm	mg/m³		
Formic acid	5	9.4	10	19	5	9			5	9			5	9		
Formic acid, ethyl ester (Ethyl formate)	100	303			100	300			100	300			100	300		
Formic acid, methyl ester (Methyl formate)	100	246			100	250			100	250	150	375	100	250		
2-(2-Formylhydrazono)-4-(5-nitro-2-furyl) thiazole																
Fortuna	2	19			2	8							5	20		
Fortuna acetate	10	40	15	60	10	40	15	60	10	40	15	60	50	200		
Gallium arsenide												0.002				
	300	890	500	1480	300	900	500	1500								
Germanium tetrahydride	0.2	0.63			0.2	0.6			0.2	0.6						

SUBSTANCE CAS #	ACGIH TLVs TWA ppm	ACGIH TLVs TWA mg/m³	ACGIH TLVs STEL/CEIL(C) ppm	ACGIH TLVs STEL/CEIL(C) mg/m³	OSHA PELs TWA ppm	OSHA PELs TWA mg/m³	OSHA PELs STEL/CEIL(C) ppm	OSHA PELs STEL/CEIL(C) mg/m³	NIOSH RELs TWA ppm	NIOSH RELs TWA mg/m³	NIOSH RELs STEL/CEIL(C) ppm	NIOSH RELs STEL/CEIL(C) mg/m³	DFG MAKs TWA ppm	DFG MAKs TWA mg/m³	DFG MAKs PEAK	CARCINOGEN
[illegible]		0			5* 5**				5*							[illegible]
[illegible]				0.2				0.2				0.2				
[illegible]	3				10* 5**											
[illegible]																[illegible]
[illegible]	25	8			25	5			25	5			50	50		
[illegible]																[illegible]
[illegible]	5	5			200	40			5	8			20	5		
[illegible]											2*	5*				
[illegible]		4				10				4						

SUBSTANCE CAS #	ACGIH TLVs TWA ppm	ACGIH TLVs TWA mg/m³	ACGIH TLVs STEL/CEIL(C) ppm	ACGIH TLVs STEL/CEIL(C) mg/m³	OSHA PELs TWA ppm	OSHA PELs TWA mg/m³	OSHA PELs STEL/CEIL(C) ppm	OSHA PELs STEL/CEIL(C) mg/m³	NIOSH RELs TWA ppm	NIOSH RELs TWA mg/m³	NIOSH RELs STEL/CEIL(C) ppm	NIOSH RELs STEL/CEIL(C) mg/m³	DFG MAKs TWA ppm	DFG MAKs TWA mg/m³	DFG MAKs PEAK	CARCINOGEN
Graphite (Natural) [illegible]-42-5	2 As forms except graphite fibers				2.5*				2.5*				6			
Graphite (synthetic) [illegible]-42-5	2 As forms except graphite fibers				10* 5**								6			
Gutbier® [illegible] [illegible]-50-0	0.2				0.2				0.2				0.2		III	
Gypsum Calcium sulfate [illegible]-26-5	10				15* 5**				10* 5**				6			
Halothane [illegible]-58-6	0.5				0.5				0.5				0.5		III	
Hexachlorane [illegible]-67-7	50	404									2*	16.2*	5	40	II 1	
Hexane [illegible]-18-7																
[illegible] [illegible]-60-6																[illegible]
Heptachlor and Heptachlor Epoxide [illegible]-44-8	0.5 [illegible] Skin				0.5				0.5				0.5		III	[illegible]

SUBSTANCE / CAS #	ACGIH TLVs TWA ppm	ACGIH TWA mg/m³	ACGIH STEL/CEIL(C) ppm	ACGIH STEL/CEIL(C) mg/m³	OSHA PELs TWA ppm	OSHA TWA mg/m³	OSHA STEL/CEIL(C) ppm	OSHA STEL/CEIL(C) mg/m³	NIOSH RELs TWA ppm	NIOSH TWA mg/m³	NIOSH STEL/CEIL(C) ppm	NIOSH STEL/CEIL(C) mg/m³	DFG MAKs TWA ppm	DFG TWA mg/m³	DFG PEAK	CARCINOGEN
Heptane (n-Heptane) 142-82-5	400	1640	500	2050	400	1600	500	2000	85	350	440*	1800* (*15-min TWA ceiling)	500	2000		
2-Heptanone (Methyl n-amyl ketone) 110-43-0	50	233			100	465			100	465						
3-Heptanone (Ethyl butyl ketone) 106-35-4	50	234			50	230			50	230						
n-Heptylmercaptan 1639-09-4											0.5*	2.7* (*15-min TWA ceiling)				
Hexachlorobenzene (HCB) 118-74-1	NIC-0.025 A2, Skin															[illegible]
Hexachlorobutadiene 87-68-3	0.02 A2	0.21 A2, Skin			0.02	0.24			0.02	0.24, Ca, Skin					[illegible]	[illegible]
Hexachlorocyclohexane (Lindane) 58-89-9						0.5, Skin				0.5, Skin				0.5	[illegible]	[illegible]
Hexachlorocyclopentadiene 77-47-4	0.01	0.11			0.01	0.1			0.01	0.1						
Hexachloroethane 67-72-1	1 A2	9.7 A2, Skin			1	10, Skin			1	10, Ca			1	10		[illegible]

SUBSTANCE / CAS #	ACGIH TLVs TWA ppm	ACGIH TWA mg/m³	ACGIH STEL/CEIL(C) ppm	ACGIH STEL/CEIL(C) mg/m³	OSHA PELs TWA ppm	OSHA TWA mg/m³	OSHA STEL/CEIL(C) ppm	OSHA STEL/CEIL(C) mg/m³	NIOSH RELs TWA ppm	NIOSH TWA mg/m³	NIOSH STEL/CEIL(C) ppm	NIOSH STEL/CEIL(C) mg/m³	DFG MAKs TWA ppm	DFG TWA mg/m³	DFG PEAK	CARCINOGEN
Hexachloronaphthalene 1335-87-1		0.2, Skin				0.2, Skin				0.2, Skin						
Hexafluoroacetone 684-16-2	0.1	0.68, Skin			0.1	0.7, Skin			0.1	0.7, Skin						
Hexamethylene diisocyanate 822-06-0	0.005	0.034								0.035		0.14* (*10-min TWA ceiling)	0.01	0.07	I (S)	
Hexamethyl phosphoramide 680-31-9	A2	A2, Skin								Ca, lowest feasible conc.						IARC 2B, TLV A2, MAK A2, NIOSH-X, NTP-2
Hexane (n-Hexane) 110-54-3	50	176 (C)			50	180			50	180			50	180	II,1 (C)	
Hexane, other isomers	500	1760	1000	3500	500	1800	1000	3600	100	350	C510	C1800				
1,6-Hexanediamine 124-09-4	0.5	2.3														
2-Hexanone (Methyl n-butyl ketone) 591-78-6	5	20, Skin			5	20			1	4			5	21	II,1	
Hexone (Methyl isobutyl ketone) 108-10-1	50	205	75	307	50	205	75	300	50	205	75	300	100	400	II,2	

SUBSTANCE CAS #	ACGIH TLVs TWA ppm	ACGIH TLVs TWA mg/m³	ACGIH TLVs STEL/CEIL(C) ppm	ACGIH TLVs STEL/CEIL(C) mg/m³	OSHA PELs TWA ppm	OSHA PELs TWA mg/m³	OSHA PELs STEL/CEIL(C) ppm	OSHA PELs STEL/CEIL(C) mg/m³	NIOSH RELs TWA ppm	NIOSH RELs TWA mg/m³	NIOSH RELs STEL/CEIL(C) ppm	NIOSH RELs STEL/CEIL(C) mg/m³	DFG MAKs TWA ppm	DFG MAKs TWA mg/m³	DFG MAKs PEAK	CARCINOGEN
[illegible]	50	[illegible]			50	100			50	200			[illegible]	[illegible]		
[illegible]			[illegible]	[illegible]			[illegible]	[illegible]			[illegible]	[illegible]				
[illegible]											[illegible]	[illegible]				
Hydrazine [illegible] Skin	[illegible]	[illegible]			[illegible]	[illegible]					[illegible]	[illegible]			[illegible]	[illegible]
Hydrazine sulfate [illegible]																[illegible]
Hydrazobenzene [illegible]																[illegible]
Hydrazoic acid [illegible]													[illegible]	[illegible]		
Hydrogen [illegible]			[illegible]													
Hydrogenated terphenyls [illegible]	[illegible]	[illegible]			[illegible]	[illegible]			[illegible]	[illegible]						

SUBSTANCE CAS #	ACGIH TLVs TWA ppm	ACGIH TLVs TWA mg/m³	ACGIH TLVs STEL/CEIL(C) ppm	ACGIH TLVs STEL/CEIL(C) mg/m³	OSHA PELs TWA ppm	OSHA PELs TWA mg/m³	OSHA PELs STEL/CEIL(C) ppm	OSHA PELs STEL/CEIL(C) mg/m³	NIOSH RELs TWA ppm	NIOSH RELs TWA mg/m³	NIOSH RELs STEL/CEIL(C) ppm	NIOSH RELs STEL/CEIL(C) mg/m³	DFG MAKs TWA ppm	DFG MAKs TWA mg/m³	DFG MAKs PEAK	CARCINOGEN
Hydrogen arsenide [illegible]			C3	C9.9			C2	C10			C3	C10	5	[illegible]		
Hydrogen chloride [illegible]			C5	C7.5			C5	C7			C5	C7	5	[illegible]	[illegible]	
Hydrogen cyanide [illegible] Skin			[illegible]	C10	C11		[illegible]	4.7	5		[illegible]	4.7	5	10	11	[illegible]
Hydrogen fluoride as F [illegible]			[illegible]	C3	C2.6	3		[illegible]	6	3	2.5	[illegible]	6	5	3	2
Hydrogen peroxide [illegible]	1	1.4	[illegible]			1	1.4	[illegible]		1	1.4	[illegible]			[illegible]	[illegible]
Hydrogen selenide, as Se [illegible]	0.05	0.16	[illegible]			0.05	0.2	[illegible]		0.05	0.2	[illegible]			0.05	0.2
Hydrogen sulfide [illegible]	10	14	[illegible]	15	21	10	14	[illegible]	15	21			10	15	[illegible]	[illegible]
[illegible] [illegible]		2	[illegible]				2	[illegible]						2	[illegible]	[illegible]
4-Hydroxy-4-methyl-2-pentanone, Diacetone alcohol [illegible]	50	238	[illegible]			50	240	[illegible]		50	240	[illegible]		50	240	[illegible]

SUBSTANCE	ACGIH TLVs				OSHA PELs				NIOSH RELs				DFG MAKs			CARCINOGEN
	TWA		STEL/CEIL(C)		TWA		STEL/CEIL(C)		TWA		STEL/CEIL(C)		TWA		PEAK	
CAS #	ppm	mg/m³	ppm	mg/m³	ppm	mg/m³	ppm	mg/m³	ppm	mg/m³	ppm	mg/m³	ppm	mg/m³		
2-Hydroxybenzoic acid [illegible]	2.5	2.8			2.5	3			2.5	3						
			Skin				Skin				Skin					
Indene [illegible]	3	48			3	45			3	45						
Indene(1,2,3-dihydro) [illegible]																[illegible]
Indium [illegible] & compounds, as In		0.1				0.1				0.1						
Iodine [illegible]			0.1	0.1			0.1	0.1			0.1	0.1	0.1			
Iodoform [illegible]	0.6	10			0.6	10			0.6	10						
Iron oxide dust and fumes [illegible]																[illegible]
Iron oxide fume (Fe_2O_3), as Fe [illegible]		5				[illegible]				5				5		
						[illegible]				[illegible]				F		
Iron pentacarbonyl, as Fe [illegible]	0.1	0.8	0.2	1.6	0.1	0.8	0.2	1.6	0.1	0.8	0.2	1.6	0.1	0.8		

SUBSTANCE	ACGIH TLVs				OSHA PELs				NIOSH RELs				DFG MAKs			CARCINOGEN
	TWA		STEL/CEIL(C)		TWA		STEL/CEIL(C)		TWA		STEL/CEIL(C)		TWA		PEAK	
CAS #	ppm	mg/m³	ppm	mg/m³	ppm	mg/m³	ppm	mg/m³	ppm	mg/m³	ppm	mg/m³	ppm	mg/m³		
Iron oxide, soluble, as Fe		1				1				1						
Isoamyl acetate [illegible]	100	532			100	525			100	525						
Isoamyl alcohol [illegible]	100	361	125	452	100	360	125	450	100	360	125	450	100	360	2(I)	
Isobutyl acetate [illegible]	150	713			150	700			150	700						
Isobutyl alcohol [illegible]	50	152			50	150			50	150						
Isobutyl nitrite [illegible]													5	15	2(II)	
														(IH)		
Isobutylmethanol [illegible]									6	22						
Isopropyl alcohol [illegible]	50	200			50	270			50	270						
			Skin				Skin				Skin					
Isophorone [illegible]			5	28	4	23			4	23			5	28		

SUBSTANCE CAS #	ACGIH TLVs TWA ppm	ACGIH TLVs TWA mg/m³	ACGIH TLVs STEL/CEIL(C) ppm	ACGIH TLVs STEL/CEIL(C) mg/m³	OSHA PELs TWA ppm	OSHA PELs TWA mg/m³	OSHA PELs STEL/CEIL(C) ppm	OSHA PELs STEL/CEIL(C) mg/m³	NIOSH RELs TWA ppm	NIOSH RELs TWA mg/m³	NIOSH RELs STEL/CEIL(C) ppm	NIOSH RELs STEL/CEIL(C) mg/m³	DFG MAKs TWA ppm	DFG MAKs TWA mg/m³	DFG MAKs PEAK	CARCINOGEN
[illegible]	[illegible]	[illegible]			[illegible]		[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		
[illegible]	Sen				Sen				Sen				5			
[illegible]	[illegible]	[illegible]			[illegible]	[illegible]							[illegible]	[illegible]		
[illegible]	Sen															
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]					[illegible]	[illegible]		
[illegible]	[illegible]	[illegible]														
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		
[illegible]	[illegible]	[illegible]														
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]					[illegible]	[illegible]		
[illegible]	Sen				Sen				Sen							
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	500	[illegible]			500	[illegible]			500	[illegible]		
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]			250	[illegible]				
[illegible]																[illegible]

SUBSTANCE CAS #	ACGIH TLVs TWA ppm	ACGIH TLVs TWA mg/m³	ACGIH TLVs STEL/CEIL(C) ppm	ACGIH TLVs STEL/CEIL(C) mg/m³	OSHA PELs TWA ppm	OSHA PELs TWA mg/m³	OSHA PELs STEL/CEIL(C) ppm	OSHA PELs STEL/CEIL(C) mg/m³	NIOSH RELs TWA ppm	NIOSH RELs TWA mg/m³	NIOSH RELs STEL/CEIL(C) ppm	NIOSH RELs STEL/CEIL(C) mg/m³	DFG MAKs TWA ppm	DFG MAKs TWA mg/m³	DFG MAKs PEAK	CARCINOGEN
Lead arsenate [illegible]		0.15				0.15				[illegible]						[illegible]
Limestone [illegible] [illegible]		[illegible]				[illegible]				[illegible]						
Linoleic acid [illegible] [illegible] 60-33-3		0.5				0.5				0.5				0.5	[illegible]	[illegible]
Lithium hydride [illegible]		0.025				0.025				0.025				0.025		
L.P.G. (Liquified petroleum gas) [illegible]	1000	1800			1000	1800			1000	1800						
Magenta manufacture [illegible]																[illegible]
Magnesite [illegible]		[illegible]				[illegible]				[illegible]						
Magnesium oxide [illegible]														5 [illegible]		
Magnesium oxide fume [illegible]		[illegible]				[illegible]								5 [illegible]		

SUBSTANCE CAS #	ACGIH TLVs TWA ppm	ACGIH TLVs TWA mg/m³	ACGIH TLVs STEL/CEIL(C) ppm	ACGIH TLVs STEL/CEIL(C) mg/m³	OSHA PELs TWA ppm	OSHA PELs TWA mg/m³	OSHA PELs STEL/CEIL(C) ppm	OSHA PELs STEL/CEIL(C) mg/m³	NIOSH RELs TWA ppm	NIOSH RELs TWA mg/m³	NIOSH RELs STEL/CEIL(C) ppm	NIOSH RELs STEL/CEIL(C) mg/m³	DFG MAKs TWA ppm	DFG MAKs TWA mg/m³	DFG MAKs PEAK	CARCINOGEN
Malathion [illegible]		[illegible]				[illegible]				[illegible]				[illegible]		[illegible]
Maleic anhydride [illegible]	0.25	[illegible]			0.25	[illegible]			0.25	[illegible]			0.1	0.4 [illegible]	[illegible]	
Malononitrile [illegible]			[illegible]				[illegible]		3	8 [illegible]					[illegible]	
Manganese elemental [illegible] & manganese compounds, as Mn		(S) NIC-0.2	[illegible]				[illegible]	CS		[illegible]	[illegible]	3		5 [illegible]	[illegible]	[illegible]
Manganese fume, as Mn [illegible]		(1) NIC-0.2	[illegible]	(3)		[illegible]	[illegible]	3		[illegible]	[illegible]	3		5 [illegible]	[illegible]	[illegible]
Manganese cyclopentadienyl tricarbonyl, as Mn [illegible]		0.1 [illegible]				0.1 [illegible]				0.1 [illegible]				1 [illegible]	[illegible]	
Manganese tetroxide, as Mn [illegible]			[illegible]			[illegible]	[illegible]				[illegible]			1 [illegible]	[illegible]	
[illegible] (<1 μm)			[illegible]				[illegible]				[illegible]				[illegible]	[illegible]
Marble (Calcium carbonate) [illegible]		10 [illegible]				[illegible]				[illegible]				[illegible]		

SUBSTANCE	ACGIH TLVs TWA ppm	ACGIH TLVs TWA mg/m³	ACGIH TLVs STEL/CEIL(C) ppm	ACGIH TLVs STEL/CEIL(C) mg/m³	OSHA PELs TWA ppm	OSHA PELs TWA mg/m³	OSHA PELs STEL/CEIL(C) ppm	OSHA PELs STEL/CEIL(C) mg/m³	NIOSH RELs TWA ppm	NIOSH RELs TWA mg/m³	NIOSH RELs STEL/CEIL(C) ppm	NIOSH RELs STEL/CEIL(C) mg/m³	DFG MAKs TWA ppm	DFG MAKs TWA mg/m³	DFG MAKs PEAK	CARCINOGEN
[illegible]																[illegible]
Mercury, alkyl compounds (as Hg)	[illegible] Skin			[illegible]	[illegible] Skin			[illegible]	[illegible] Skin			[illegible]	[illegible]	[illegible]	[illegible]	
Mercury, all forms except alkyl vapor (as Hg)	[illegible] Skin				[illegible] Skin				[illegible] Skin				[illegible]	[illegible]	[illegible]	
Mercury, inorg & aryl compounds (as Hg)	[illegible] Skin				[illegible] Skin			[illegible]	[illegible] Skin			[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Mesityl oxide	5	20	25	30	5	20	25	30	[illegible]	40			25	30		
Metal-working fluids (capable of yielding nitrosamines)																[illegible]
Methacrylic acid	[illegible]	[illegible]			[illegible]	[illegible] Skin			[illegible]	[illegible] Skin						
Methacrylic acid, methyl ester													50	[illegible]	[illegible]	

SUBSTANCE CAS #	ACGIH TLVs TWA ppm	ACGIH TLVs TWA mg/m³	ACGIH TLVs STEL/CEIL(C) ppm	ACGIH TLVs STEL/CEIL(C) mg/m³	OSHA PELs TWA ppm	OSHA PELs TWA mg/m³	OSHA PELs STEL/CEIL(C) ppm	OSHA PELs STEL/CEIL(C) mg/m³	NIOSH RELs TWA ppm	NIOSH RELs TWA mg/m³	NIOSH RELs STEL/CEIL(C) ppm	NIOSH RELs STEL/CEIL(C) mg/m³	DFG MAKs TWA ppm	DFG MAKs TWA mg/m³	DFG MAKs PEAK	CARCINOGEN
Methane [illegible]																
Methanethiol (Methyl mercaptan) [illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]				[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
Methanol (Methyl alcohol) 67-56-1	200	262	[illegible] Skin	250	200	260	[illegible] Skin	250	200	260	[illegible]	250	200	260	[illegible]	
Methanol [illegible]		2.5	[illegible]			2.5	[illegible]			2.5	[illegible]			[illegible]		
Methoxychlor [illegible]		10	[illegible]			10* 5**	[illegible]				[illegible]			15	[illegible]	[illegible]
2-Methoxyethanol (Ethylene glycol monomethyl ether) [illegible]	5	16	[illegible] Skin		25	80	[illegible] Skin		0.1	0.3	[illegible] Skin		5	15	[illegible]	
2-Methoxyethyl acetate (Ethylene glycol monomethyl ether acetate) [illegible]	5	24	[illegible] Skin		25	120	[illegible] Skin		0.1	0.5	[illegible] Skin		5	25	[illegible]	
[illegible]			[illegible]				[illegible]				[illegible]	[illegible]			[illegible]	
Methoxychlor [illegible]		5	[illegible]			5	[illegible]			5	[illegible]				[illegible]	

SUBSTANCE	ACGIH TLVs				OSHA PELs				NIOSH RELs				DFG MAKs			CARCINOGEN
	TWA		STEL/CEIL(C)		TWA		STEL/CEIL(C)		TWA		STEL/CEIL(C)		TWA		PEAK	
CAS #	ppm	mg/m³	ppm	mg/m³	ppm	mg/m³	ppm	mg/m³	ppm	mg/m³	ppm	mg/m³	ppm	mg/m³		
2-Methoxy-1-propanol [illegible]													[illegible]	5		
2-Methoxyethyl-1-acetate [illegible]													[illegible]	[illegible]		
Methyl acetate [illegible]	[illegible]	608	250	[illegible]	[illegible]	610	250	[illegible]	[illegible]	610	250	[illegible]	[illegible]	610		
Methyl acetylene [illegible]	[illegible]	640			[illegible]	[illegible]			[illegible]	[illegible]			[illegible]	650		
Methyl acetylene-propadiene mixture (MAPP)	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	250	2250	[illegible]	900	[illegible]	2250				
Methyl acrylate [illegible]	[illegible]	35			[illegible]	35			[illegible]	35			5	9		
		Skin				Skin				Skin				5		
Methylacrylonitrile [illegible]	[illegible]	[illegible]			[illegible]	3			[illegible]	3						
		Skin				Skin				Skin						
Methylal [illegible]	[illegible]	[illegible]			[illegible]	[illegible]			[illegible]	[illegible]			[illegible]	[illegible]		
Methyl alcohol [illegible]	[illegible]	262	250	[illegible]	[illegible]	260	250	[illegible]	[illegible]	260	250	325	[illegible]	260		
		Skin				Skin				Skin				[illegible]		

SUBSTANCE	ACGIH TLVs				OSHA PELs				NIOSH RELs				DFG MAKs			CARCINOGEN
	TWA		STEL/CEIL(C)		TWA		STEL/CEIL(C)		TWA		STEL/CEIL(C)		TWA		PEAK	
CAS #	ppm	mg/m³	ppm	mg/m³	ppm	mg/m³	ppm	mg/m³	ppm	mg/m³	ppm	mg/m³	ppm	mg/m³		
Methylamine [illegible]	5	6.4	[illegible]	[illegible]	[illegible]	12			[illegible]	12			[illegible]	12		
Methyl amyl alcohol (Methyl isobutyl carbinol) 4-Methyl-2-pentanol [illegible]	25	[illegible]	40	[illegible]	25	100	40	[illegible]	25	100	40	[illegible]	25	100	[illegible]	
		Skin				Skin				Skin				(H)		
Methyl n-amyl ketone [illegible]	50	233			100	465			100	465						
N-Methyl aniline (Monomethyl aniline) [illegible]	0.5	2.2			0.5	2			0.5	2			0.5	2	[illegible]	
		Skin				Skin				Skin				(H)		
2-Methylaziridine (Propylene imine) [illegible]	2 A2	4.7 A2			2	5			2	5						[illegible]
		Skin				Skin				Ca Skin				(H)		
Methylazoxymethanol [illegible]																ARC 28
Methylazoxymethanol acetate [illegible]																ARC 28
Methyl bromide [illegible]	5	19			5	20							5	20	[illegible]	ARC 3 NIOSH [illegible]
		Skin				Skin			Ca [illegible] (LOQ 4.7 ppm)					(H)		
Methyl n-butyl ketone [illegible]	5	20			5	20			[illegible]	4			5	21	[illegible]	
		Skin														

SUBSTANCE	ACGIH TLVs				OSHA PELs				NIOSH RELs				DFG MAKs			CARCINOGEN
	TWA		STEL/CEIL(C)		TWA		STEL/CEIL(C)		TWA		STEL/CEIL(C)		TWA		PEAK	
CAS #	ppm	mg/m³	ppm	mg/m³	ppm	mg/m³	ppm	mg/m³	ppm	mg/m³	ppm	mg/m³	ppm	mg/m³		
Methyl Cellosolve® (2-Methoxyethanol) 109-86-4	5	16			25	80			[illegible]	[illegible]			5	5		
		Skin				Skin; in process of finishing				Skin				8 h		
Methyl Cellosolve Acetate® (2-Methoxyethyl acetate) 110-49-6	5	24			25	120			[illegible]	[illegible]			5	25		
		Skin				Skin; in process of finishing				Skin				8 h		
Methyl chloride (Chloromethane) 74-87-3	50	103	100	207	50	105	100	208					50	105		
		Skin								Ca; overexposure conc. LOD 1.5 ppm				8		
4-Methyl-bis(2-chloroethyl)amine hydrochloride (Nitrogen mustard) [illegible]														[illegible]		
Methyl chloroform (1,1,1-Trichloroethane) 71-55-6	350	1910	450	2460	350	1900	450	2450			350	1900	200	280	[illegible]	
										15-min TWA ceiling				C		
5-Methylchrysene																
Methyl-2-cyanoacrylate (Methyl 2-cyanoacrylate) [illegible]	2	[illegible]	4	8	2	8	4	16	2	8	4	16	2	8		
														5		
Methylcyclohexane 108-87-2	400	[illegible]			400	1600			400	1600			500	2000		
Methylcyclohexanol (Hexahydrocresol) [illegible]	50	234			50	235			50	235			50	235	[illegible]	

SUBSTANCE	ACGIH TLVs				OSHA PELs				NIOSH RELs				DFG MAKs			CARCINOGEN
	TWA		STEL/CEIL(C)		TWA		STEL/CEIL(C)		TWA		STEL/CEIL(C)		TWA		PEAK	
CAS #	ppm	mg/m³	ppm	mg/m³	ppm	mg/m³	ppm	mg/m³	ppm	mg/m³	ppm	mg/m³	ppm	mg/m³		
4-Methylcyclohexylmethanol (4-Methylcyclohexanemethanol) 589-60-6	50	229	75	344	50	230	75	345	50	230	75	345	50	230	[illegible]	
		Skin				Skin				Skin				H		
2-Methylcyclopentadienyl manganese tricarbonyl, as Mn (MMT) 12108-13-3		0.2				0.2				0.2						
		Skin				Skin				Skin						
Methyl isobutyl ketone (Hexone) 108-10-1		0.5				0.5				0.5			0.5	5	[illegible]	
		Skin; (g)				Skin				Skin				H		
Methylene bisphenyl isocyanate (MDI) 101-68-8	0.005	0.051					C0.02	C0.2	0.005	0.050	0.02*	0.20*				
										*10-min TWA ceiling						
Methylene chloride (Dichloromethane) 75-09-2	50 A2	174 A2			500		C1000 [illegible]						100	360	[illegible]	EPA B2; IARC 2B; NIOSH
					*5-min peak 2 hrs					Ca; lowest feasible conc.				(D)		
4,4'-Methylene bis(2-chloroaniline) (MBOCA) 101-14-4	0.02 A2; [illegible] A2; [illegible] A2	0.22 A2; [illegible] A2; Skin			0.02	0.22				0.003						EPA B2; IARC 2A; NIOSH
		Skin; (g)				Skin				Ca; Skin						
Methylene bis(4-cyclohexylisocyanate) 5124-30-1	0.005	0.054					C0.01	C0.11			C0.01	C0.11				
Methylene dianiline (4,4'-Methylenedianiline) 101-77-9	[illegible] A2	0.81 A2														IARC 2B; NIOSH
		Skin				in process of finishing				Ca; lowest feasible conc. LOD 0.03 mg/m³				H; S		
4,4'-Methylene bis(2-methylaniline) 838-88-0																IARC 2; NIOSH

SUBSTANCE CAS #	ACGIH TLVs TWA ppm	ACGIH TLVs TWA mg/m³	ACGIH TLVs STEL/CEIL(C) ppm	ACGIH TLVs STEL/CEIL(C) mg/m³	OSHA PELs TWA ppm	OSHA PELs TWA mg/m³	OSHA PELs STEL/CEIL(C) ppm	OSHA PELs STEL/CEIL(C) mg/m³	NIOSH RELs TWA ppm	NIOSH RELs TWA mg/m³	NIOSH RELs STEL/CEIL(C) ppm	NIOSH RELs STEL/CEIL(C) mg/m³	DFG MAKs TWA ppm	DFG MAKs TWA mg/m³	DFG MAKs PEAK	CARCINOGEN
4-Methyl-2-pentanone (methyl isobutyl ketone) [illegible]																[illegible]
Methyl ethyl ketone (MEK; 2-butanone) 78-93-3	200	590	300	885	200	590	300	885	200	590	300	885	200	590	1 (I)	
Methyl ethyl ketone peroxide 1338-23-4			0.2	1.5			0.7	5			0.2	1.5				
Methyl formate (formic acid, methyl ester) 107-31-3	100	246	150	368	100	250	150	375	100	250	150	375	100	250	(I)	
5-Methyl-3-heptanone (ethyl amyl ketone) 541-85-5	25	131			25	130			25	130						
Methyl hydrazine 60-34-4	0.01 A2 [illegible]	0.018 A2 [illegible]					0.02	0.35			0.04*	0.08*				[illegible]
Methyl iodide 74-88-4	2 A2	12 A2			2	10			2	10						[illegible]
Methyl isoamyl ketone 110-12-3	50	234			50	240			50	240						
Methyl isobutyl carbinol (methyl amyl alcohol) 108-11-2	25	104	40	167	25	100	40	165	25	100	40	165	25	100	1.2 (H)	B

SUBSTANCE CAS #	ACGIH TLVs TWA ppm	ACGIH TLVs TWA mg/m³	ACGIH TLVs STEL/CEIL(C) ppm	ACGIH TLVs STEL/CEIL(C) mg/m³	OSHA PELs TWA ppm	OSHA PELs TWA mg/m³	OSHA PELs STEL/CEIL(C) ppm	OSHA PELs STEL/CEIL(C) mg/m³	NIOSH RELs TWA ppm	NIOSH RELs TWA mg/m³	NIOSH RELs STEL/CEIL(C) ppm	NIOSH RELs STEL/CEIL(C) mg/m³	DFG MAKs TWA ppm	DFG MAKs TWA mg/m³	DFG MAKs PEAK	CARCINOGEN
Methyl isoamyl ketone 108-10-1	50	205	75	307	50	205	75	300	50	205	75	300	100	400	1.2	
Methyl isocyanate 624-83-9	0.02	0.047			0.02	0.05			0.02	0.05			0.01	0.025	1 (C) (S)	
Methyl isopropyl ketone 563-80-4	200	705			200	705			200	705						
Methyl mercaptan (methanethiol) 74-93-1	0.5	0.98			0.5	1					0.5*	1*	0.5	1	V	
Methyl methacrylate 80-62-6	100	410			100	410			100	410			50	210	1 (C) (S)	ARC 3
Methyl methanesulfonate 66-27-3																ARC 2B NTP 2
2-Methyl-1-nitroanthraquinone 129-15-7																ARC 2B
Methyl-N-nitro-N-nitrosoguanidine 70-25-7																EPA B2 ARC 2A NTP 2
Methyl parathion 298-00-0		0.2				0.2				0.2						ARC 3

SUBSTANCE	ACGIH TLVs TWA ppm	ACGIH TLVs TWA mg/m³	ACGIH TLVs STEL/CEIL(C) ppm	ACGIH TLVs STEL/CEIL(C) mg/m³	OSHA PELs TWA ppm	OSHA PELs TWA mg/m³	OSHA PELs STEL/CEIL(C) ppm	OSHA PELs STEL/CEIL(C) mg/m³	NIOSH RELs TWA ppm	NIOSH RELs TWA mg/m³	NIOSH RELs STEL/CEIL(C) ppm	NIOSH RELs STEL/CEIL(C) mg/m³	DFG MAKs TWA ppm	DFG MAKs TWA mg/m³	DFG MAKs PEAK	CARCINOGEN
[illegible]-2-pentanol [illegible]	[illegible]	[illegible]	40	[illegible]	[illegible]	[illegible]	40	[illegible]	[illegible]	[illegible]	40	[illegible]	[illegible]	[illegible]	[illegible]	
Methyl propyl ketone [illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]			[illegible]	[illegible]	[illegible]	
N-Methyl-2-pyrrolidone [illegible]													20	400		
Methyl silicate [illegible]	[illegible]	5			[illegible]	5			[illegible]	5						
α-Methyl styrene [illegible]	50	242	100	483	50	240	100	485	50	240	100	485	100	480		
Methyl styrene (all isomers) [illegible]									100	480			100	480		
Methylthiouracil [illegible]																[illegible]
Metribuzin [illegible]		[illegible]				5				5						
Metronidazole [illegible]																[illegible]

SUBSTANCE CAS #	ACGIH TLVs TWA ppm	ACGIH TLVs TWA mg/m³	ACGIH TLVs STEL/CEIL(C) ppm	ACGIH TLVs STEL/CEIL(C) mg/m³	OSHA PELs TWA ppm	OSHA PELs TWA mg/m³	OSHA PELs STEL/CEIL(C) ppm	OSHA PELs STEL/CEIL(C) mg/m³	NIOSH RELs TWA ppm	NIOSH RELs TWA mg/m³	NIOSH RELs STEL/CEIL(C) ppm	NIOSH RELs STEL/CEIL(C) mg/m³	DFG MAKs TWA ppm	DFG MAKs TWA mg/m³	DFG MAKs PEAK	CARCINOGEN
Mevinphos [illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]			[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		
Mica [illegible]		3				3* [illegible]				3* [illegible]				[illegible]		
Michler's ketone [illegible]		[illegible]				[illegible]				[illegible]				[illegible]		[illegible]
Mineral wool fiber		10 [illegible]				[illegible]				5* [illegible]				[illegible]		
Mirex [illegible]		[illegible]				[illegible]				[illegible]				[illegible]		[illegible]
Mitomycin C [illegible]		[illegible]				[illegible]				[illegible]				[illegible]		[illegible]
Molybdenum [illegible] Soluble compounds, as Mo		5 [illegible]				5 [illegible]				[illegible]				5 [illegible]	[illegible]	
Molybdenum [illegible] Insoluble compounds, as Mo		10 [illegible]				10* [illegible]				[illegible]				15 [illegible]	[illegible]	
Monochlorobenzene (Chlorobenzene) [illegible]	[illegible]	[illegible]			75	350 [illegible]				[illegible]			50	230 [illegible]	[illegible]	

SUBSTANCE CAS #	ACGIH TLVs TWA ppm	ACGIH TLVs TWA mg/m³	ACGIH TLVs STEL/CEIL(C) ppm	ACGIH TLVs STEL/CEIL(C) mg/m³	OSHA PELs TWA ppm	OSHA PELs TWA mg/m³	OSHA PELs STEL/CEIL(C) ppm	OSHA PELs STEL/CEIL(C) mg/m³	NIOSH RELs TWA ppm	NIOSH RELs TWA mg/m³	NIOSH RELs STEL/CEIL(C) ppm	NIOSH RELs STEL/CEIL(C) mg/m³	DFG MAKs TWA ppm	DFG MAKs TWA mg/m³	DFG MAKs PEAK	CARCINOGEN
[illegible] [illegible] [illegible] [illegible]	42	42														[illegible]
					Ca-See 29 CFR [illegible]				Ca-See 29 CFR [illegible]							
Monocrotaline [illegible]																[illegible]
Monocrotophos [illegible]		0.25				0.25				0.25						
			Skin													
Morpholine [illegible]	20	[illegible]			20	70	30	105	20	70	30	105	20	70		
			Skin				Skin				Skin			[illegible]		
5-[illegible]																[illegible]
Mustard gas [illegible] [illegible] [illegible]																[illegible]
Naleneone [illegible]																[illegible]
Naled [illegible] [illegible]		3				3				3				3	[illegible]	
			Skin [illegible]				Skin				Skin			Ci		
Naphtha (coal tar) [illegible] [illegible] [illegible]	100	500			100	400			100	400						

SUBSTANCE CAS #	ACGIH TLVs TWA ppm	ACGIH TLVs TWA mg/m³	ACGIH TLVs STEL/CEIL(C) ppm	ACGIH TLVs STEL/CEIL(C) mg/m³	OSHA PELs TWA ppm	OSHA PELs TWA mg/m³	OSHA PELs STEL/CEIL(C) ppm	OSHA PELs STEL/CEIL(C) mg/m³	NIOSH RELs TWA ppm	NIOSH RELs TWA mg/m³	NIOSH RELs STEL/CEIL(C) ppm	NIOSH RELs STEL/CEIL(C) mg/m³	DFG MAKs TWA ppm	DFG MAKs TWA mg/m³	DFG MAKs PEAK	CARCINOGEN
Naphthalene [illegible]	10	52	15	78	10	50	15	75	10	50	15	75	10	50		
Naphthalene diisocyanate (NDI) [illegible]										0.04		0.17*				
									*10-min TWA ceiling							
α-Naphthylamine (1-Naphthylamine) [illegible]																ARC 2 NIOSH-Ca OSHA-Ca
					Ca-See 29 CFR 1910.1004				Ca-See 29 CFR 1910.1004							
β-Naphthylamine (2-Naphthylamine) [illegible]		A1												[illegible]		ARC [illegible] NIOSH-Ca OSHA-Ca [illegible]
					Ca-See 29 CFR 1910.1009				Ca-See 29 CFR 1910.1009							
1,5-Naphthylene diisocyanate [illegible]													0.01	0.08		ARC 3
														[illegible] Si		
1-Naphthylthiourea ANTU [illegible]		0.3				0.3				0.3				0.3	[illegible] 2	
														[illegible] Ci		
Neon [illegible]																
			[illegible]													
Nickel, elemental [illegible] [illegible] & [illegible] compounds, as Ni		[illegible]				[illegible]				0.015						[illegible] ARC [illegible] NIOSH-Ca
											Ca			Si		
Nickel, soluble compounds, as Ni		[illegible]				[illegible]				0.015						ARC [illegible] NIOSH-Ca [illegible]
											Ca			Si		

SUBSTANCE / CAS #	ACGIH TLVs TWA ppm	ACGIH TLVs TWA mg/m³	ACGIH TLVs STEL/CEIL(C) ppm	ACGIH TLVs STEL/CEIL(C) mg/m³	OSHA PELs TWA ppm	OSHA PELs TWA mg/m³	OSHA PELs STEL/CEIL(C) ppm	OSHA PELs STEL/CEIL(C) mg/m³	NIOSH RELs TWA ppm	NIOSH RELs TWA mg/m³	NIOSH RELs STEL/CEIL(C) ppm	NIOSH RELs STEL/CEIL(C) mg/m³	DFG MAKs TWA ppm	DFG MAKs TWA mg/m³	DFG MAKs PEAK	CARCINOGEN
Nickel, Soluble compounds, as Ni		0.1 NIC-0.05 A1				0.1				0.015 Ca				5		[illegible]
Nickel carbonyl, as Ni 13463-39-3	0.05	0.05 NIC-ni [illegible] 0.05 mg/m³ A1			0.001	0.007			0.001	0.007 Ca				[illegible]		[illegible]
Nickel sulfide roasting, fume & dust, as Ni		1 A1 NIC-ni [illegible] 0.05 mg/m³ A1								0.015 Ca						[illegible]
Nicotine 54-11-5		0.5 Skin				0.5 Skin				0.5 Skin			0.07	0.5 [illegible]	[illegible]	
Nitridazole 61-57-4																IARC [illegible]
Nitrapyrin (2-Chloro-6-trichloromethyl pyridine) 1929-82-4		10		20		15(T) 5(R) (T)Total dust (R)Respirable fraction				10(T) 5(R) (T)Total dust (R)Respirable fraction		20(T)				
Nitric acid 7697-37-2	2	5.2	4	10	2	5	4	10	2	5	4	10	2	5		
Nitric oxide 10102-43-9	25	31			25	30			25	30						
Nitrilotriacetic acid (NTA) 139-13-9																IARC [illegible]

SUBSTANCE / CAS #	ACGIH TLVs TWA ppm	ACGIH TLVs TWA mg/m³	ACGIH TLVs STEL/CEIL(C) ppm	ACGIH TLVs STEL/CEIL(C) mg/m³	OSHA PELs TWA ppm	OSHA PELs TWA mg/m³	OSHA PELs STEL/CEIL(C) ppm	OSHA PELs STEL/CEIL(C) mg/m³	NIOSH RELs TWA ppm	NIOSH RELs TWA mg/m³	NIOSH RELs STEL/CEIL(C) ppm	NIOSH RELs STEL/CEIL(C) mg/m³	DFG MAKs TWA ppm	DFG MAKs TWA mg/m³	DFG MAKs PEAK	CARCINOGEN
5-Nitroacenaphthene 602-87-9																IARC 2B MAK A2
2-Nitro-4-aminophenol (4-Amino-2-nitrophenol) 119-34-6														(H)		IARC 3 MAK B
4-Nitro-2-aminotoluene 99-55-8																EPA-C IARC 3 MAK A2
p-Nitroaniline 100-01-6		3 Skin (e)				3 Skin				3 Skin			1	6 (H)		
Nitrobenzene 98-95-3	1	5 Skin (e)			1	5 Skin			1	5 Skin			1	5 D1 (H)	II,1	
4-Nitrobiphenyl (4-Nitrodiphenyl) 92-93-3		A1				Ca-See 29 CFR 1910.1003				Ca-Use 29 CFR 1910.1003				(H)		IARC 3 MAK A2 NIOSH-X TSNA-X
p-Nitrochlorobenzene 100-00-5	0.1	0.64 Skin (e)			1	1 Skin				Skin Ca [illegible] 0.025 mg/m³			1	(H)	II,1	MAK B NIOSH-X
4-Nitrodiphenyl		A1				Ca-See 29 CFR 1910.1003				Ca-Use 29 CFR 1910.1003				(H)		IARC 3 MAK A2 NIOSH-X TSNA-X
Nitroethane 79-24-3	100	307			100	310			100	310			100	310		

SUBSTANCE	ACGIH TLVs				OSHA PELs				NIOSH RELs				DOE MAKs			
	TWA		STEL/CEIL(C)		TWA		STEL/CEIL(C)		TWA		STEL/CEIL(C)		TWA		PEAK	CARCINOGEN
CAS #	ppm	mg/m³	ppm	mg/m³	ppm	mg/m³	ppm	mg/m³	ppm	mg/m³	ppm	mg/m³	ppm	mg/m³		
[illegible]																[illegible]
N-[illegible]-5-Nitro-2-furyl-2-thiazolyl acetamide [illegible]																[illegible]
Nitrogen [illegible]																
Nitrogen dioxide [illegible]	[illegible]	[illegible]	[illegible]	[illegible]			[illegible]	[illegible]				[illegible]	[illegible]	[illegible]		[illegible]
Nitrogen mustard [illegible]																[illegible]
Nitrogen mustard N-oxide hydrochloride [illegible]																[illegible]
Nitrogen trifluoride [illegible]	[illegible]	[illegible]			[illegible]	[illegible]			[illegible]	[illegible]						
Nitroglycerin [illegible]	[illegible]	[illegible]						[illegible]				[illegible]	[illegible]	[illegible]		
Nitromethane [illegible]	[illegible]	[illegible]			100	250							100	250		[illegible]

SUBSTANCE	ACGIH TLVs				OSHA PELs				NIOSH RELs				DOE MAKs			
	TWA		STEL/CEIL(C)		TWA		STEL/CEIL(C)		TWA		STEL/CEIL(C)		TWA		PEAK	CARCINOGEN
CAS #	ppm	mg/m³	ppm	mg/m³	ppm	mg/m³	ppm	mg/m³	ppm	mg/m³	ppm	mg/m³	ppm	mg/m³		
1-Nitronaphthalene [illegible]																[illegible]
2-Nitronaphthalene 581-89-5											Ca lowest feasible conc					[illegible]
5-Nitro-o-anisidine 99-59-2																[illegible]
2-Nitro-p-phenylenediamine 5307-14-2																[illegible]
1-Nitropropane 108-03-2	25	91			25	90			25	90			25	90		
2-Nitropropane [illegible]	10 A2	36 A2			10	35										[illegible]
Nitrosyrene [illegible]																[illegible]
[illegible] (OBH) [illegible]																[illegible]
N-Nitrosodiethanolamine (NDELA) [illegible]																[illegible]

SUBSTANCE	ACGIH TLVs TWA ppm	ACGIH TLVs TWA mg/m³	ACGIH TLVs STEL/CEIL(C) ppm	ACGIH TLVs STEL/CEIL(C) mg/m³	OSHA PELs TWA ppm	OSHA PELs TWA mg/m³	OSHA PELs STEL/CEIL(C) ppm	OSHA PELs STEL/CEIL(C) mg/m³	NIOSH RELs TWA ppm	NIOSH RELs TWA mg/m³	NIOSH RELs STEL/CEIL(C) ppm	NIOSH RELs STEL/CEIL(C) mg/m³	DFG MAKs TWA ppm	DFG MAKs TWA mg/m³	DFG MAKs PEAK	CARCINOGEN
[illegible]																[illegible]
[illegible]	[illegible]															[illegible]
[illegible]																[illegible]
[illegible]																[illegible]
[illegible]																[illegible]
[illegible]																[illegible]
[illegible]																[illegible]
[illegible]																[illegible]
[illegible]																[illegible]

SUBSTANCE CAS #	ACGIH TLVs TWA ppm	ACGIH TLVs TWA mg/m³	ACGIH TLVs STEL/CEIL(C) ppm	ACGIH TLVs STEL/CEIL(C) mg/m³	OSHA PELs TWA ppm	OSHA PELs TWA mg/m³	OSHA PELs STEL/CEIL(C) ppm	OSHA PELs STEL/CEIL(C) mg/m³	NIOSH RELs TWA ppm	NIOSH RELs TWA mg/m³	NIOSH RELs STEL/CEIL(C) ppm	NIOSH RELs STEL/CEIL(C) mg/m³	DFG MAKs TWA ppm	DFG MAKs TWA mg/m³	DFG MAKs PEAK	CARCINOGEN
[illegible] 684-93-5						[illegible]										[illegible]
[illegible] 13256-13-6			[illegible]			[illegible]										[illegible]
[illegible] 53-89-2			[illegible]			[illegible]				[illegible]				[illegible]		[illegible]
[illegible] 16543-55-6			[illegible]			[illegible]				[illegible]				[illegible]		[illegible]
[illegible] 100-75-4			[illegible]			[illegible]				[illegible]				[illegible]		[illegible]
[illegible] 930-55-2			[illegible]			[illegible]				[illegible]				[illegible]		[illegible]
[illegible] 13256-22-9			[illegible]			[illegible]				[illegible]				[illegible]		[illegible]
[illegible] 88-72-2	2	[illegible]			2	[illegible]			2	[illegible]			5	30	[illegible]	
[illegible] 99-58-1	2	[illegible]			2	[illegible]			2	[illegible]			5	30	[illegible]	

SUBSTANCE	ACGIH TLVs				OSHA PELs				NIOSH RELs				DFG MAKs			CARCINOGEN
	TWA		STEL/CEIL(C)		TWA		STEL/CEIL(C)		TWA		STEL/CEIL(C)		TWA		PEAK	
CAS #	ppm	mg/m³	ppm	mg/m³	ppm	mg/m³	ppm	mg/m³	ppm	mg/m³	ppm	mg/m³	ppm	mg/m³		
Nitrotoluene (o-isomer) [illegible]	2	[illegible]			2	[illegible]			2				5	30		
			Skin	[illegible]			Skin				Skin				[illegible]	
Nitrotoluene (all isomers) [illegible]													5	30		
															[illegible]	
Nitrotrichloromethane (Chloropicrin) [illegible]	[illegible]	0.67			[illegible]	0.7			[illegible]	[illegible]			[illegible]	0.7		
Nitrous oxide [illegible]	50	90							25	90						
					Simple Asphyxiant [illegible]											
Nonane [illegible]	200	1050			200	1050			200	1050						
n-Nonylmercaptan [illegible]											0.5	3.3				
									15-min TWA ceiling							
Nuisance particulates Particulates not otherwise classified (PNOC)		10				15	5									
					[illegible]		[illegible]									
Octachloronaphthalene [illegible]		[illegible]		0.3		[illegible]		0.3		[illegible]		0.3				
			Skin				Skin				Skin					
Octadecylmercaptan [illegible]											0.5	5.9				
									15-min TWA ceiling							

SUBSTANCE	ACGIH TLVs				OSHA PELs				NIOSH RELs				DFG MAKs			CARCINOGEN
	TWA		STEL/CEIL(C)		TWA		STEL/CEIL(C)		TWA		STEL/CEIL(C)		TWA		PEAK	
CAS #	ppm	mg/m³	ppm	mg/m³	ppm	mg/m³	ppm	mg/m³	ppm	mg/m³	ppm	mg/m³	ppm	mg/m³		
Octane [illegible]	300	1400	375	1750	300	1450	375	1800	75	350	385	1800	500	2350	[illegible]	
									15-min TWA ceiling							
n-Octylmercaptan [illegible]		[illegible]				[illegible]					0.5	3		[illegible]		
									15-min TWA ceiling							
Oil mist, mineral, severely refined		5		10		5				5		10		[illegible]		
		NIC-5														
		[illegible]				PEL CAS NO 8012-95-1)										
[illegible]	NIC-0.2 AI					[illegible]				[illegible]				[illegible]		
		[illegible]														
Oil orange SS [illegible]		[illegible]				[illegible]				[illegible]				[illegible]		A4; [illegible]
Osmium tetroxide as Os [illegible]	0.0002	0.0016	0.0006	0.0047	0.0002	0.002	0.0006	0.006	0.0002	0.002	0.0006	0.006	0.0002	0.002	[illegible]	
Oxalic acid [illegible]		[illegible]		2		[illegible]		2		[illegible]		2		[illegible]		
Oxydemeton [illegible]		[illegible]				[illegible]								[illegible]		A4; [illegible]
															Sk	
Oxygen difluoride [illegible]		[illegible]	0.05	0.11		[illegible]	0.05	0.1		[illegible]	0.05	0.1		[illegible]		

SUBSTANCE CAS #	ACGIH TLVs TWA ppm	ACGIH TLVs TWA mg/m³	ACGIH TLVs STEL/CEIL(C) ppm	ACGIH TLVs STEL/CEIL(C) mg/m³	OSHA PELs TWA ppm	OSHA PELs TWA mg/m³	OSHA PELs STEL/CEIL(C) ppm	OSHA PELs STEL/CEIL(C) mg/m³	NIOSH RELs TWA ppm	NIOSH RELs TWA mg/m³	NIOSH RELs STEL/CEIL(C) ppm	NIOSH RELs STEL/CEIL(C) mg/m³	DOE IDLHs TWA ppm	DOE IDLHs TWA mg/m³	DOE IDLHs PEAK	CARCINOGEN
Methylene [illegible]																[illegible]
Ozone [illegible]			[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]			[illegible]	[illegible]	[illegible]	[illegible]		
Pentoxide S [illegible]																[illegible]
Paraffin wax fume [illegible]		2				2				2						
Paraquat [illegible]		[illegible]				[illegible] Skin Respirable dust				[illegible] Skin Respirable dust				[illegible]		[illegible]
Parathion [illegible]		[illegible] Skin [illegible]				[illegible] Skin				[illegible] Skin				[illegible]		[illegible]
Particulate polycyclic aromatic hydrocarbons [illegible]		[illegible]				[illegible]				[illegible] Benzene extractable fraction [illegible]						[illegible]
Particulates Not Otherwise Classified (PNOC)		[illegible]				[illegible] Total dust Respirable fraction										
Pentaborane [illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		

SUBSTANCE CAS #	ACGIH TLVs TWA ppm	ACGIH TLVs TWA mg/m³	ACGIH TLVs STEL/CEIL(C) ppm	ACGIH TLVs STEL/CEIL(C) mg/m³	OSHA PELs TWA ppm	OSHA PELs TWA mg/m³	OSHA PELs STEL/CEIL(C) ppm	OSHA PELs STEL/CEIL(C) mg/m³	NIOSH RELs TWA ppm	NIOSH RELs TWA mg/m³	NIOSH RELs STEL/CEIL(C) ppm	NIOSH RELs STEL/CEIL(C) mg/m³	DOE IDLHs TWA ppm	DOE IDLHs TWA mg/m³	DOE IDLHs PEAK	CARCINOGEN
Pentachlorobenzene 76-01-7									Handle with caution				5	40	[illegible]	[illegible] ARC 3 [illegible]
Pentachloronaphthalene [illegible] 32-64-8		0.5 Skin				0.5 Skin				0.5 Skin				0.5 G1 (H)	[illegible]	
Pentachloronitrobenzene 82-68-8		0.5														[illegible] ARC 3
Pentachlorophenol 87-86-5		0.5 Skin (H)				0.5 Skin				0.5 Skin					[illegible] (D1 (H))	[illegible] ARC 2B [illegible] A2
Pentaerythritol 115-77-5		10				10* 5** *Total dust **Respirable fraction				10* 5** *Total dust **Respirable fraction						
Pentane 109-66-0	600	1770	750	2210	600	1800	750	2250	120	350	610*	1800* *15-min TWA ceiling	1500	2500	[illegible]	
2-Pentanone (Methyl propyl ketone) 107-87-9	200	705	250	881	200	700	250	875	150	530			200	700	[illegible]	
[illegible] 110-66-7											0.5*	2.1* *15-min TWA ceiling				
Pentachlorodiphenyl (Pentachlorodiphenyl) 127-18-4	501 NIC-25 A3	(3300) 175 A3	2000 100 A3	(13500) 885 A3 (H)	25	170			CA [illegible] (LOD 0.4 ppm)				50	340	[illegible] (C)	[illegible]

SUBSTANCE CAS #	ACGIH TLVs TWA ppm	ACGIH TLVs TWA mg/m³	ACGIH TLVs STEL/CEIL(C) ppm	ACGIH TLVs STEL/CEIL(C) mg/m³	OSHA PELs TWA ppm	OSHA PELs TWA mg/m³	OSHA PELs STEL/CEIL(C) ppm	OSHA PELs STEL/CEIL(C) mg/m³	NIOSH RELs TWA ppm	NIOSH RELs TWA mg/m³	NIOSH RELs STEL/CEIL(C) ppm	NIOSH RELs STEL/CEIL(C) mg/m³	DFG MAKs TWA ppm	DFG MAKs TWA mg/m³	DFG MAKs PEAK	CARCINOGEN
Pentachlorodibenzo-p-dioxins [illegible]	[illegible]	[illegible]			[illegible]	[illegible]			[illegible]	[illegible]						
Pentachloro-1-propene [illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				[illegible]
Perfluoroisobutylene [illegible]			[illegible]	[illegible]												
Perlite [illegible]		[illegible]				[illegible]				[illegible]						[illegible]
Petroleum distillates [illegible]					400	500				350		1800				[illegible]
Phenacetin [illegible]																[illegible]
Phenacyl chloride [illegible]	[illegible]	[illegible]			[illegible]	[illegible]			[illegible]	[illegible]						
Phenazopyridine [illegible]																
Phenazopyridine hydrochloride [illegible]																[illegible]

SUBSTANCE CAS #	ACGIH TLVs TWA ppm	ACGIH TLVs TWA mg/m³	ACGIH TLVs STEL/CEIL(C) ppm	ACGIH TLVs STEL/CEIL(C) mg/m³	OSHA PELs TWA ppm	OSHA PELs TWA mg/m³	OSHA PELs STEL/CEIL(C) ppm	OSHA PELs STEL/CEIL(C) mg/m³	NIOSH RELs TWA ppm	NIOSH RELs TWA mg/m³	NIOSH RELs STEL/CEIL(C) ppm	NIOSH RELs STEL/CEIL(C) mg/m³	DFG MAKs TWA ppm	DFG MAKs TWA mg/m³	DFG MAKs PEAK	CARCINOGEN
Phenol 108-95-2	5	19			5	19			5	19	15 [illegible]	60 [illegible]	5	19		[illegible]
Phenylhydrazine 92-84-2		5				5				5						
Phenylsilane and herbicides																[illegible]
Phenylsilanetriol hydrochloride 53-92-3																[illegible]
N-Phenyl-beta-naphthylamine 135-88-6	A2	A2														[illegible]
o-Phenylenediamine 95-54-5		[illegible] A2														[illegible] A2
m-Phenylenediamine 108-45-2		[illegible]														
[illegible] [illegible]-3		[illegible]				[illegible]				[illegible]				[illegible]		
Phenyl ether vapor 101-84-8	1	7	2	14	1	7			1	7			1	7		

SUBSTANCE CAS #	ACGIH TLVs TWA ppm	ACGIH TLVs TWA mg/m³	ACGIH TLVs STEL/CEIL(C) ppm	ACGIH TLVs STEL/CEIL(C) mg/m³	OSHA PELs TWA ppm	OSHA PELs TWA mg/m³	OSHA PELs STEL/CEIL(C) ppm	OSHA PELs STEL/CEIL(C) mg/m³	NIOSH RELs TWA ppm	NIOSH RELs TWA mg/m³	NIOSH RELs STEL/CEIL(C) ppm	NIOSH RELs STEL/CEIL(C) mg/m³	DFG MAKs TWA ppm	DFG MAKs TWA mg/m³	DFG MAKs PEAK	CARCINOGEN
Phenyl ether-biphenyl mixture, vapor																
Phenylethylene (Styrene, monomer) 100-42-5	20	213	30	426	50	215	100	425	50	215	100	425	20	85		
		Skin												C		
Phenyl glycidyl ether (PGE) 122-60-1		6				6						61				
									Ca	15-min TWA ceiling				5		
Phenylhydrazine 100-63-0	1	4.4	42		5	20	10	45		1.4		6.1	5	22		
		Skin				Skin			Ca Skin	120-min TWA ceiling				5		
Phenyl mercaptan 108-98-5	0.5	2.3			0.5	2					0.1	0.5				
N-Phenyl-2-naphthylamine 135-88-6									Ca	lowest feasible conc						
Phenylphosphine 638-21-1			0.25	0.23			0.25	0.25			0.25	0.25				
Phenylsilver (+ sodium salt) 51-41-0																
Phorate 298-02-2		0.05		0.2		0.05		0.2		0.05		0.2				
		Skin				Skin				Skin						

SUBSTANCE CAS #	ACGIH TLVs TWA ppm	ACGIH TLVs TWA mg/m³	ACGIH TLVs STEL/CEIL(C) ppm	ACGIH TLVs STEL/CEIL(C) mg/m³	OSHA PELs TWA ppm	OSHA PELs TWA mg/m³	OSHA PELs STEL/CEIL(C) ppm	OSHA PELs STEL/CEIL(C) mg/m³	NIOSH RELs TWA ppm	NIOSH RELs TWA mg/m³	NIOSH RELs STEL/CEIL(C) ppm	NIOSH RELs STEL/CEIL(C) mg/m³	DFG MAKs TWA ppm	DFG MAKs TWA mg/m³	DFG MAKs PEAK	CARCINOGEN
Phosphine (Hydrogen phosphide) 7803-51-2	0.01	0.002	0.03	0.07	0.01	0.1	0.03	0.3	0.01	0.1	0.03	0.3	0.01	0.1		
		Skin				Skin				Skin						
Phosgene (Carbonyl chloride) 75-44-5	0.1	0.40			0.1	0.4			0.1	0.4	0.2	0.8	0.1	0.4		
										15-min TWA ceiling						
Phosphate 7803-51-2	0.3	0.42	1	1.4	0.3	0.4	1	1	0.3	0.4	1	1	0.1	0.15	1	
Phosphoric acid 7664-38-2		1		3		1		3		1		3		1		
Phosphorus (yellow) 7723-14-0	0.02	0.1				0.1				0.1				0.1		
														G1		
Phosphorus oxychloride 10025-87-3	0.1	0.63			0.1	0.6			0.1	0.6	0.5	3	0.2	1		
Phosphorus pentachloride 10026-13-8	0.1	0.85				1				1				1		
														G1		
Phosphorus pentoxide 1314-56-3														1		
														G1		
Phosphorus pentasulfide 1314-80-3		1		3		1		3		1		3		1		
														G1		

SUBSTANCE	ACGIH TLVs				OSHA PELs				NIOSH RELs				DOE IDLHs			CARCINOGEN
	TWA		STEL/CEIL(C)		TWA		STEL/CEIL(C)		TWA		STEL/CEIL(C)		TWA		PEAK	
CAS #	ppm	mg/m³	ppm	mg/m³	ppm	mg/m³	ppm	mg/m³	ppm	mg/m³	ppm	mg/m³	ppm	mg/m³		
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	5	[illegible]	3	[illegible]	5	[illegible]	3	[illegible]	3		
[illegible]	[illegible]	5	[illegible]		[illegible]	5			[illegible]					5		
[illegible]		5				5				5				5		
[illegible]		[illegible]			[illegible]											
[illegible]		[illegible]			[illegible]				[illegible]				[illegible]			
[illegible]		[illegible]			[illegible]				[illegible]				[illegible]			
[illegible]		5				5				5				5		
2-Propyl-1,3-[illegible]		[illegible]				[illegible]				[illegible]						
Plaster of Paris		[illegible]				[illegible]				[illegible]				5		

SUBSTANCE	ACGIH TLVs				OSHA PELs				NIOSH RELs				DOE IDLHs			CARCINOGEN
	TWA		STEL/CEIL(C)		TWA		STEL/CEIL(C)		TWA		STEL/CEIL(C)		TWA		PEAK	
CAS #	ppm	mg/m³	ppm	mg/m³	ppm	mg/m³	ppm	mg/m³	ppm	mg/m³	ppm	mg/m³	ppm	mg/m³		
Platinum, Metal		[illegible]				[illegible]				[illegible]				[illegible]		
Platinum, Soluble salts, as Pt		[illegible]				[illegible]				[illegible]				[illegible]		
Polybrominated biphenyls (PBBs)		[illegible]				[illegible]				[illegible]				[illegible]		
Polychlorinated biphenyls (PCBs)		[illegible]				[illegible]				[illegible]				[illegible]		
Polychlorodibenzo-p-dioxins		[illegible]				[illegible]				[illegible]				[illegible]		
Polycyclic aromatic hydrocarbons		[illegible]				[illegible]				[illegible]				[illegible]		
[illegible]		[illegible]				[illegible]				[illegible]				[illegible]		
[illegible]		[illegible]				[illegible]				[illegible]				[illegible]		
[illegible]		10				10				10				[illegible]		

SUBSTANCE	ACGIH TLVs				OSHA PELs				NIOSH RELs				DFG MAKs				CARCINOGEN
	TWA		STEL/CEIL(C)		TWA		STEL/CEIL(C)		TWA		STEL/CEIL(C)		TWA		PEAK		
	ppm	mg/m³	ppm	mg/m³	ppm	mg/m³	ppm	mg/m³	ppm	mg/m³	ppm	mg/m³	ppm	mg/m³			
[illegible] hydroxide [illegible]				[illegible]				[illegible]				[illegible]					
Precipitated silica [illegible] [illegible]		[illegible]				5				5				4			[illegible]
Procarbazine [illegible]																	[illegible]
Procarbazine hydrochloride [illegible]																	[illegible]
Progesterone (hydrous)																	[illegible]
Propane [illegible]					[illegible]	[illegible]			[illegible]	[illegible]			[illegible]	[illegible]			
Propane sultone [illegible]	[illegible]	[illegible]								[illegible]				[illegible]			[illegible]
Propargyl alcohol [illegible]		[illegible]			[illegible]	2				2			2	5			
β-Propiolactone [illegible]	[illegible]	[illegible]															[illegible]

SUBSTANCE CAS #	ACGIH TLVs				OSHA PELs				NIOSH RELs				DFG MAKs				CARCINOGEN
	TWA		STEL/CEIL(C)		TWA		STEL/CEIL(C)		TWA		STEL/CEIL(C)		TWA		PEAK		
	ppm	mg/m³	ppm	mg/m³	ppm	mg/m³	ppm	mg/m³	ppm	mg/m³	ppm	mg/m³	ppm	mg/m³			
Propionic acid 79-09-4	10	30			10	30			10	30	15	45	10	30			
Propionitrile 107-12-0									6	14							
Propoxur (Baygon®) [illegible]		0.5				0.5				0.5				2			
n-Propyl acetate 109-60-4	200	835	250	1040	200	840	250	1050	200	840	250	1050	200	840			
n-Propyl alcohol [illegible]	200	492	250	614	200	500	250	625	200	500	250	625					
Propylene [illegible]																	[illegible]
Propylene dichloride 78-87-5	75	347	110	509	75	350	110	510					75	350			[illegible]
Propylene glycol dinitrate 6423-43-4	0.05	0.34			0.05	0.3			0.05	0.3			0.05	0.3			
Propylene glycol-1-methyl ether-2-acetate 108-65-6													50	275			

SUBSTANCE	ACGIH TLVs				OSHA PELs				NIOSH RELs				DFG MAKs			CARCINOGEN
	TWA		STEL/CEIL(C)		TWA		STEL/CEIL(C)		TWA		STEL/CEIL(C)		TWA		PEAK	
CAS #	ppm	mg/m³	ppm	mg/m³	ppm	mg/m³	ppm	mg/m³	ppm	mg/m³	ppm	mg/m³	ppm	mg/m³		
[illegible]	30	289	50	553	30	360	50	540	30	360	50	540	30	[illegible]		
[illegible]	[illegible]	[illegible]			2	5			2	5						[illegible]
[illegible]			Skin				Skin				Ca Skin				[illegible]	
Propylene oxide 75-56-9	20	48			20	50										[illegible]
n-Propylmercaptan [illegible]											[illegible]	[illegible]				
n-Propyl nitrate [illegible]	25	[illegible]	40	[illegible]	25	[illegible]	40	[illegible]	25	[illegible]	40	[illegible]	25	[illegible]		
			[illegible]													
Propylthiouracil [illegible]																[illegible]
Propyne (Methyl acetylene) [illegible]	300	640			[illegible]	[illegible]			300	550			[illegible]	[illegible]		
PVC [illegible]														5		
															[illegible]	
Pyrethrum [illegible]		5				5				5				5	[illegible]	
														[illegible] 51		

SUBSTANCE	ACGIH TLVs				OSHA PELs				NIOSH RELs				DFG MAKs			CARCINOGEN
	TWA		STEL/CEIL(C)		TWA		STEL/CEIL(C)		TWA		STEL/CEIL(C)		TWA		PEAK	
CAS #	ppm	mg/m³	ppm	mg/m³	ppm	mg/m³	ppm	mg/m³	ppm	mg/m³	ppm	mg/m³	ppm	mg/m³		
Pyridine [illegible]	5	[illegible]			5	15			5	[illegible]			5	[illegible]	[illegible]	
Pyrocatechol (Catechol) [illegible]	5	23			5	20			5	20						
						Skin				Skin						
Quartz (Silica-Crystalline) [illegible]		0.1				0.1*				0.05*				0.15		[illegible]
			(i)			*Respirable dust				*Respirable dust Ca				(R)		
Quinone [illegible]	0.1	0.44			0.1	0.4			0.1	0.4			0.1	0.4		[illegible]
RDX (Cyclonite) [illegible]		1.5				1.5				1.5		3				
			Skin				Skin				Skin					
Rotenone [illegible]																[illegible]
Rotenone [illegible]	10	45	20	90	10	45	20	90	10	45	20	90				[illegible]
[illegible] Metal [illegible]		1				0.1				0.1						
Rhodium, insoluble compounds, as Rh		1				0.1				0.1						

SUBSTANCE CAS #	ACGIH TLVs TWA ppm	ACGIH TLVs TWA mg/m³	ACGIH TLVs STEL/CEIL(C) ppm	ACGIH TLVs STEL/CEIL(C) mg/m³	OSHA PELs TWA ppm	OSHA PELs TWA mg/m³	OSHA PELs STEL/CEIL(C) ppm	OSHA PELs STEL/CEIL(C) mg/m³	NIOSH RELs TWA ppm	NIOSH RELs TWA mg/m³	NIOSH RELs STEL/CEIL(C) ppm	NIOSH RELs STEL/CEIL(C) mg/m³	DFG MAKs TWA ppm	DFG MAKs TWA mg/m³	DFG MAKs PEAK	CARCINOGEN
Iodide Soluble compounds, as Rb		[illegible]				[illegible]				[illegible]						
Rosin [illegible]		[illegible]				[illegible]				[illegible]						
Rosin core solder pyrolysis products, as formaldehyde		[illegible] See Rosin core solder decomposition products [illegible]				[illegible]				[illegible]						[illegible]
Rosin core solder decomposition products, as rosin acid-anhydride [illegible]		[illegible]														
Rotenone, commercial [illegible]		5				5				5				5	[illegible]	
Rouge		[illegible]				[illegible] 5 [illegible]										
Rubber solvent naphtha [illegible]	400	1900			[illegible]	400			[illegible]	400						
Saccharin [illegible]																[illegible]
Safrole [illegible]																[illegible]

SUBSTANCE CAS #	ACGIH TLVs TWA ppm	ACGIH TLVs TWA mg/m³	ACGIH TLVs STEL/CEIL(C) ppm	ACGIH TLVs STEL/CEIL(C) mg/m³	OSHA PELs TWA ppm	OSHA PELs TWA mg/m³	OSHA PELs STEL/CEIL(C) ppm	OSHA PELs STEL/CEIL(C) mg/m³	NIOSH RELs TWA ppm	NIOSH RELs TWA mg/m³	NIOSH RELs STEL/CEIL(C) ppm	NIOSH RELs STEL/CEIL(C) mg/m³	DFG MAKs TWA ppm	DFG MAKs TWA mg/m³	DFG MAKs PEAK	CARCINOGEN
Selenium [illegible] and compounds, as Se		0.2				0.2* [illegible] *Selenium compounds				0.2				0.1* [illegible]	II (G)	[illegible]
Selenium hexafluoride, as Se [illegible]	0.05	0.20 [illegible]			0.05	0.4 [illegible]			0.05	0.4				[illegible]		[illegible]
Selenium sulfide [illegible]			[illegible]				[illegible]				[illegible]				[illegible]	[illegible] [illegible] [illegible]
Selenium (Crystalline) [illegible]		10	[illegible]			10* 5** [illegible] *Total dust **Respirable fraction				10* 5** [illegible] *Total dust **Respirable fraction				[illegible]		
Silane Silicon tetrahydride [illegible]	5	6.6	[illegible]		5	7	[illegible]		5	7	[illegible]			[illegible]		
Silica—Amorphous Diatomaceous earth (unprocessed) [illegible]		10	[illegible] (n)			6	[illegible]			6	[illegible]			4	[illegible] (G)	[illegible]
Silica—Amorphous Precipitated silica [illegible]		10	[illegible] (n)			6	[illegible]			6	[illegible]			4	[illegible] (G)	[illegible]
Silica—Amorphous Silica gel [illegible]		2	[illegible] (n)			[illegible]				[illegible]				0.3	[illegible] (R)	[illegible]
Silica—Amorphous Silica, fused [illegible]		0.1	[illegible] (n)			0.1* [illegible] *Respirable dust PEL-Crystalline Silica				0.05* [illegible] Ca *Respirable dust REL-Crystalline Silica				0.3	[illegible] (R) CAS [illegible]	[illegible] [illegible]

SUBSTANCE CAS #	ACGIH TLVs TWA ppm	ACGIH TLVs TWA mg/m³	ACGIH TLVs STEL/CEIL(C) ppm	ACGIH TLVs STEL/CEIL(C) mg/m³	OSHA PELs TWA ppm	OSHA PELs TWA mg/m³	OSHA PELs STEL/CEIL(C) ppm	OSHA PELs STEL/CEIL(C) mg/m³	NIOSH RELs TWA ppm	NIOSH RELs TWA mg/m³	NIOSH RELs STEL/CEIL(C) ppm	NIOSH RELs STEL/CEIL(C) mg/m³	OPG IDLHs TWA ppm	OPG IDLHs TWA mg/m³	OPG IDLHs PEAK	CARCINOGEN
Silica—Amorphous Silica gel [illegible]	[illegible]	[illegible]			[illegible]				[illegible]				[illegible]			[illegible]
Silica—Crystalline Cristobalite [illegible]	[illegible]	[illegible]			[illegible]	[illegible]			[illegible]	[illegible]			[illegible]	[illegible]		[illegible]
Silica—Crystalline Quartz [illegible]	[illegible]	[illegible]			[illegible]	[illegible]			[illegible]	[illegible]			[illegible]	[illegible]		[illegible]
Silica—Crystalline Tridymite [illegible]	[illegible]	[illegible]			[illegible]	[illegible]			[illegible]	[illegible]			[illegible]	[illegible]		[illegible]
Silica—Crystalline Tripoli [illegible]	[illegible]	[illegible]			[illegible]	[illegible]			[illegible]	[illegible]			[illegible]	[illegible]		[illegible]
Silica fume [illegible]	[illegible]	[illegible]											[illegible]	[illegible]		[illegible]
Silica, fused [illegible]	[illegible]	[illegible]			[illegible]	[illegible]			[illegible]	[illegible]			[illegible]	[illegible]		[illegible]
Silica gel [illegible]	[illegible]	[illegible]			[illegible]				[illegible]				[illegible]			[illegible]
Silica precipitated [illegible]	[illegible]	[illegible]			[illegible]				[illegible]				[illegible]			[illegible]

SUBSTANCE CAS #	ACGIH TLVs TWA ppm	ACGIH TLVs TWA mg/m³	ACGIH TLVs STEL/CEIL(C) ppm	ACGIH TLVs STEL/CEIL(C) mg/m³	OSHA PELs TWA ppm	OSHA PELs TWA mg/m³	OSHA PELs STEL/CEIL(C) ppm	OSHA PELs STEL/CEIL(C) mg/m³	NIOSH RELs TWA ppm	NIOSH RELs TWA mg/m³	NIOSH RELs STEL/CEIL(C) ppm	NIOSH RELs STEL/CEIL(C) mg/m³	OPG IDLHs TWA ppm	OPG IDLHs TWA mg/m³	OPG IDLHs PEAK	CARCINOGEN
Silicic acid, orthoethyl ester (ethyl silicate) [illegible]													20	[illegible]		
Silicon [illegible]	[illegible]				[illegible]				[illegible]							
Silicon carbide [illegible]	[illegible]				[illegible]				[illegible]				[illegible]			
Silicon tetrahydride [illegible]	5	6.6			5	7			5	7						
Silver, Metal [illegible]	[illegible]				[illegible]				[illegible]				[illegible]			
Silver, Soluble compounds, as Ag	[illegible]				[illegible]				[illegible]				[illegible]			
Sodamide [illegible]	[illegible]				[illegible]				[illegible]							
sodium azide [illegible]			[illegible]	[illegible]			[illegible]	[illegible]			[illegible]	[illegible]	[illegible]	[illegible]		
Sodium bisulfite [illegible]	5				5				5							

SUBSTANCE / CAS #	ACGIH TLVs TWA ppm	ACGIH TWA mg/m³	ACGIH STEL/CEIL(C) ppm	ACGIH STEL/CEIL(C) mg/m³	OSHA PELs TWA ppm	OSHA TWA mg/m³	OSHA STEL/CEIL(C) ppm	OSHA STEL/CEIL(C) mg/m³	NIOSH RELs TWA ppm	NIOSH TWA mg/m³	NIOSH STEL/CEIL(C) ppm	NIOSH STEL/CEIL(C) mg/m³	DFG MAKs TWA ppm	DFG TWA mg/m³	DFG PEAK	CARCINOGEN
Sodium 2,4-dichloro-phenoxyethyl sulfate (Sesone) 136-78-7		10 (TLV-Sesone)				10* 5** PEL-2 mg/m³ herbicide *Total dust **Respirable fraction				10* 5** REL-2 mg/m³ herbicide *Total dust **Respirable fraction						
Sodium fluoroacetate (Sodium [illegible]) 62-74-8		0.05 Skin		0.15		0.05 Skin		0.15		0.05 Skin		0.15		0.05	[illegible]	
Sodium hydroxide 1310-73-2				C2				C2				2* *15-min TWA ceiling		2	[illegible]	
Sodium metabisulfite 7681-57-4		5				5				5						
Sodium perfluoroacetate (Sodium fluoroacetate) 62-74-8		0.05 Skin		0.15		0.05 Skin		0.15		0.05 Skin		0.15		0.05	[illegible]	
Starch 9005-25-8		10				15* 5** *Total dust **Respirable fraction				10* 5** *Total dust **Respirable dust						
Stearates		10														
Sterigmatocystin 10048-13-2																[illegible]
Stibine 7803-52-3	0.1	0.51			0.1	0.5			0.1	0.5			0.1	0.5	1.2	
Stoddard solvent 8052-41-3	100	525			100	525				350		1800* *15-min TWA ceiling				
Streptozotocin (STZ) 18883-66-4																EPA B2, IARC 2B, NTP 2
Strontium chromate, as Cr 7789-06-2		0.0005 A2						C0.05		0.001 Ca						IARC 1, TLV A2, MAK A2, NIOSH-X, NTP A2
Strychnine 57-24-9		0.15				0.15				0.15				0.15 (B)	II,1	
Styrene, monomer (phenylethylene, vinyl benzene) 100-42-5	50	213 Skin (B)	100	426	50	215	100	425	50	215	100	425	20	85 (C)	II,1	IARC 2B
Subtilisins (Proteolytic enzymes as 100% pure crystalline enzyme) 9014-01-1		(m)		C0.00006				0.00006* *60-min STEL, sample for at least 60 min				0.00006* *60-min STEL				
Succinonitrile 110-61-2									6	20						
Sucrose 57-50-1		10				15* 5** *Total dust **Respirable fraction				10* 5** *Total dust **Respirable fraction						
Sulfotep (TEDP) 3689-24-5		0.2 Skin (B)				0.2 Skin				0.2 Skin			0.015	0.2 (H)	III	

SUBSTANCE	ACGIH TLVs TWA ppm	ACGIH TLVs TWA mg/m³	ACGIH TLVs STEL/CEIL(C) ppm	ACGIH TLVs STEL/CEIL(C) mg/m³	OSHA PELs TWA ppm	OSHA PELs TWA mg/m³	OSHA PELs STEL/CEIL(C) ppm	OSHA PELs STEL/CEIL(C) mg/m³	NIOSH RELs TWA ppm	NIOSH RELs TWA mg/m³	NIOSH RELs STEL/CEIL(C) ppm	NIOSH RELs STEL/CEIL(C) mg/m³	DFG MAKs TWA ppm	DFG MAKs TWA mg/m³	DFG MAKs PEAK	CARCINOGEN
Sulfur dioxide [illegible]	2	5.2	5	[illegible]	2	5	5	[illegible]	2	5	5	[illegible]	2	5		
Sulfur hexafluoride [illegible]	300	5970			300	6000			300	6000			300	6000		
Sulfuric acid [illegible]		[illegible]		1		[illegible]				[illegible]				[illegible]	[illegible]	
Sulfur monochloride [illegible]			[illegible]	[illegible]			[illegible]	[illegible]			[illegible]	[illegible]	[illegible]	6	[illegible]	
Sulfur pentafluoride [illegible]			[illegible]	[illegible]			[illegible]	[illegible]			[illegible]	[illegible]	[illegible]	[illegible]		
Sulfur tetrafluoride [illegible]			[illegible]	[illegible]			[illegible]	[illegible]			[illegible]	[illegible]				
Sulfuryl fluoride [illegible]	5	[illegible]	[illegible]	42	5	20	[illegible]	[illegible]	[illegible]	20	5	40	[illegible]			
Sulprofos [illegible]						[illegible]				[illegible]						
Systox® [illegible] [illegible]	[illegible]	[illegible]		[illegible]		[illegible]				[illegible]			[illegible]	[illegible]	[illegible]	

SUBSTANCE CAS #	ACGIH TLVs TWA ppm	ACGIH TLVs TWA mg/m³	ACGIH TLVs STEL/CEIL(C) ppm	ACGIH TLVs STEL/CEIL(C) mg/m³	OSHA PELs TWA ppm	OSHA PELs TWA mg/m³	OSHA PELs STEL/CEIL(C) ppm	OSHA PELs STEL/CEIL(C) mg/m³	NIOSH RELs TWA ppm	NIOSH RELs TWA mg/m³	NIOSH RELs STEL/CEIL(C) ppm	NIOSH RELs STEL/CEIL(C) mg/m³	DFG MAKs TWA ppm	DFG MAKs TWA mg/m³	DFG MAKs PEAK	CARCINOGEN
2,4,5-T (2,4,5-trichlorophenoxyacetic acid) 93-76-5		10				10				10				10	[illegible] 2	
Talc (containing no asbestos fibers) [illegible]		2				2*				2*				2		ARC 3
Talc (containing asbestos fibers)		Use asbestos TLVs-TWA (A)				See 29 CFR 1910.1001				Ca. 100 000 fibs/m³ (fibs > 5 μm long), 400 max samples						ARC 1 [illegible]
Tantalum, metal [illegible]		5				5				5		10		5		10
Tantalum, oxide dusts [illegible]		5				5				5		10				
TEDP (Sulfotep) [illegible]		0.2				0.2				0.2			0.015	0.2		
Tellurium [illegible] & compounds, as Te		0.1				0.1				0.1				0.1		
[illegible] hexafluoride, as Te [illegible]	0.02	0.2			0.02	0.2			0.02	0.2						
Temephos [illegible]		10				10* [illegible]				10* [illegible]						

SUBSTANCE CAS #	ACGIH TLVs TWA ppm	ACGIH TLVs TWA mg/m³	ACGIH TLVs STEL/CEIL(C) ppm	ACGIH TLVs STEL/CEIL(C) mg/m³	OSHA PELs TWA ppm	OSHA PELs TWA mg/m³	OSHA PELs STEL/CEIL(C) ppm	OSHA PELs STEL/CEIL(C) mg/m³	NIOSH RELs TWA ppm	NIOSH RELs TWA mg/m³	NIOSH RELs STEL/CEIL(C) ppm	NIOSH RELs STEL/CEIL(C) mg/m³	DFG MAKs TWA ppm	DFG MAKs TWA mg/m³	DFG MAKs PEAK	CARCINOGEN
TEPP [illegible] [illegible]	[illegible]	[illegible]			[illegible]				[illegible]				[illegible]	[illegible]	[illegible]	
Terpinolene [illegible]			[illegible]	[illegible]			[illegible]	[illegible]			[illegible]	[illegible]				
1,1,2,2-Tetrabromoethane [illegible]													[illegible]	[illegible]	[illegible]	
2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD) [illegible]																[illegible]
1,1,1,2-Tetrachloro-2,2-difluoroethane [illegible]	500	[illegible]			500	[illegible]			500	[illegible]			[illegible]	[illegible]		
1,1,2,2-Tetrachloro-1,2-difluoroethane [illegible]	500	[illegible]			500	[illegible]			500	[illegible]			200	690	[illegible]	
1,1,1,2-Tetrachloroethane [illegible]																[illegible]
1,1,2,2-Tetrachloroethane [illegible]	[illegible]	[illegible]			[illegible]	[illegible]			[illegible]	[illegible]			[illegible]	[illegible]		[illegible]
Tetrachloroethylene (Perchloroethylene) [illegible]	50	[illegible]	100	[illegible]	25	[illegible]							50	345	[illegible]	[illegible]

SUBSTANCE CAS #	ACGIH TLVs TWA ppm	ACGIH TLVs TWA mg/m³	ACGIH TLVs STEL/CEIL(C) ppm	ACGIH TLVs STEL/CEIL(C) mg/m³	OSHA PELs TWA ppm	OSHA PELs TWA mg/m³	OSHA PELs STEL/CEIL(C) ppm	OSHA PELs STEL/CEIL(C) mg/m³	NIOSH RELs TWA ppm	NIOSH RELs TWA mg/m³	NIOSH RELs STEL/CEIL(C) ppm	NIOSH RELs STEL/CEIL(C) mg/m³	DFG MAKs TWA ppm	DFG MAKs TWA mg/m³	DFG MAKs PEAK	CARCINOGEN
Tetrachloromethane (Carbon tetrachloride) 56-23-5	5 A2	31 A2			2	12.6					2*	12.6*	10	65	[illegible]	[illegible]
Tetrachloronaphthalene [illegible]		2				2				2						
Tetraethyl lead, as Pb 78-00-2		0.1				0.075				0.075			0.01	0.075	[illegible]	[illegible]
Tetraethyl orthosilicate (Ethyl silicate) 78-10-4													100	850		
Tetraethylene glycol [illegible]	200	500	250	737	200	500	250	736	200	500	250	730	200	500	[illegible]	
Tetraethyl lead, as Pb 75-74-1		0.15				0.075				0.075			0.01	0.075	[illegible]	[illegible]
Tetraethylene pentamine [illegible]	0.5	2.8			0.5	3			0.5	3			0.5	3	[illegible]	
[illegible] 509-14-8	[illegible]	[illegible]			1	8			1	8						
Tetrasodium pyrophosphate [illegible]		5				5				5						

SUBSTANCE	ACGIH TLVs				OSHA PELs				NIOSH RELs				OPG IDHLs				CARCINOGEN
	TWA		STEL/CEIL(C)		TWA		STEL/CEIL(C)		TWA		STEL/CEIL(C)		TWA		PEAK		
CAS #	ppm	mg/m³	ppm	mg/m³	ppm	mg/m³	ppm	mg/m³	ppm	mg/m³	ppm	mg/m³	ppm	mg/m³			
[illegible] 2,4,5-[illegible] [illegible] [illegible]-4-[illegible] [illegible]-45-8		[illegible]5				[illegible]				5				5			
						Skin				Skin				[illegible] - 5			
Thallium Soluble compounds as Tl		[illegible]				[illegible]				[illegible]				[illegible]	[illegible]		
						Skin				Skin				[illegible]			
Thioacetamide (TAA) 62 55-5																	[illegible]
4,4'-Thiobis (6-tert-butyl-m-cresol) 96-69-5		[illegible]				[illegible] 5**				[illegible] 5**							
						**Total dust **Respirable fraction				**Total dust **Respirable fraction							
4,4'-Thiodianiline 139-65-[illegible]		[illegible]								[illegible]							[illegible]
Thioglycolic acid 68-[illegible]	[illegible]	[illegible] 8			[illegible]	4			[illegible]	4							
		Skin				Skin				Skin							
Thionyl chloride [illegible]9-29-7			[illegible]	[illegible] 8			[illegible]	[illegible]			[illegible]	[illegible]					
Thiourea 62 56-6																	[illegible]
Thiram 137 26-8		[illegible]				5				5				5		[illegible] 2	[illegible]

SUBSTANCE	ACGIH TLVs				OSHA PELs				NIOSH RELs				OPG IDHLs				CARCINOGEN
	TWA		STEL/CEIL(C)		TWA		STEL/CEIL(C)		TWA		STEL/CEIL(C)		TWA		PEAK		
CAS #	ppm	mg/m³	ppm	mg/m³	ppm	mg/m³	ppm	mg/m³	ppm	mg/m³	ppm	mg/m³	ppm	mg/m³			
Thorium dioxide						[illegible]				[illegible]							[illegible]
Tin, Metal 7440-31-5		2	[illegible]			2	[illegible]			[illegible]				[illegible]			
Tin, Oxide & inorganic compounds, except SnH_4, as Sn		2	[illegible]			2	[illegible]			2	[illegible]			2	[illegible]	[illegible] 1	
														(G)			
Tin, Organic compounds, as Sn		0.1	[illegible]	0.2		0.1	[illegible]			0.1	[illegible]			0.1	[illegible]	[illegible] 1	
		Skin				Skin				Skin				(G) (H)			
Tin oxide, as Sn 21651-19-4		2	[illegible]			2	[illegible]			2	[illegible]			2	[illegible]	[illegible] 1	
														(G)			
Titanium dioxide 13463-67-7		10	[illegible]			10* 5**	[illegible]			[illegible]				8	[illegible]		[illegible]
		[illegible]				*Total dust **Respirable fraction				Ca [illegible] LOD 0.2 mg/m³				(F)			
o-Tolidine 119-93-7	A2	A2	[illegible]				[illegible]				[illegible]	0.02*			[illegible]		[illegible] A2 [illegible] A2 [illegible] [illegible] 2
		Skin								Ca		*60-min TWA ceiling					
Iron-oxide dyes			[illegible]				[illegible]				[illegible]				[illegible]		[illegible]
										Ca minimum exposure							
Toluene (Toluol) 108-88-3	50	147	[illegible]		100	375	[illegible] 150	560	100	375	[illegible] 150	560	100	300	[illegible]	[illegible] 2	[illegible]
		Skin (G)												(G)			

SUBSTANCE	ACGIH TLVs				OSHA PELs				NIOSH RELs				DOE Guides			CARCINOGEN
	TWA		STEL/CEIL(C)		TWA		STEL/CEIL(C)		TWA		STEL/CEIL(C)		TWA		PEAK	
CAS #	ppm	mg/m³	ppm	mg/m³	ppm	mg/m³	ppm	mg/m³	ppm	mg/m³	ppm	mg/m³	ppm	mg/m³		
[illegible]-2,4-diamine (2,4-Diaminotoluene) [illegible]																[illegible]
Toluene-2,4-diisocyanate [illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]					[illegible]	[illegible]		[illegible]
Toluene-2,6-diisocyanate [illegible]													[illegible]	[illegible]		[illegible]
o-Toluidine [illegible]	2 A2	8.8 A2		Skin	5	22		Skin				Skin				[illegible]
m-Toluidine [illegible]	2	8.8		Skin	2	9		Skin								
p-Toluidine [illegible]	2 A2	8.8 A2		Skin	2	9		Skin				Skin				[illegible]
o-Toluidine hydrochloride 636-21-5																[illegible]
Toluol (Toluene) [illegible]	50	[illegible]	150	565	50	375	150	560	50	375	150	560	50	300		
Toxaphene (Chlorinated camphene) [illegible]		0.5				0.5								0.5		[illegible]

SUBSTANCE	ACGIH TLVs				OSHA PELs				NIOSH RELs				DOE Guides			CARCINOGEN
	TWA		STEL/CEIL(C)		TWA		STEL/CEIL(C)		TWA		STEL/CEIL(C)		TWA		PEAK	
CAS #	ppm	mg/m³	ppm	mg/m³	ppm	mg/m³	ppm	mg/m³	ppm	mg/m³	ppm	mg/m³	ppm	mg/m³		
Tremolite [illegible]		2 f/cc A1				0.2 f/cc				0.1 f/cc				0.05		[illegible]
Trepsirolane [illegible]																[illegible]
Tributyl phosphate [illegible]	0.2	2.2			0.2	2.5			0.2	2.5						
Tri-n-butyltin compounds (as TBTO)													0.002	0.05	IL 2 (C)	
Trichloroacetic acid [illegible]	1	6.7			1	7			1	7						
Trichlorobenzene (all isomers) [illegible]													5	40	IB (D)	
1,2,4-Trichlorobenzene [illegible]			C5	C37			C5	C40			C5	C40				
[illegible]-1 [illegible]																[illegible]
1,1,1-Trichloroethane (Methyl chloroform) [illegible]	350	1910	450	2460	350	1900	450	2460			350*	1910*	350	1900	IL 2 (C)	EPA-O ARC 3

SUBSTANCE	ACGIH TLVs				OSHA PELs				NIOSH RELs				DOE MAKs				CARCINOGEN
	TWA		STEL/CEIL(C)		TWA		STEL/CEIL(C)		TWA		STEL/CEIL(C)		TWA		PEAK		
CAS #	ppm	mg/m³	ppm	mg/m³	ppm	mg/m³	ppm	mg/m³	ppm	mg/m³	ppm	mg/m³	ppm	mg/m³	ppm	mg/m³	
1,1,2-Trichloroethane	[illegible]	55			0	45			[illegible]	45			[illegible]	55		[illegible]	[illegible]
[illegible]			Skin				Skin				Ca Skin						
Trichloroethylene	[illegible]	[illegible]	[illegible]	[illegible]	50	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]			50	[illegible]		[illegible]	[illegible]
[illegible]		[illegible] A5	[illegible] A5	[illegible] A5							60-min TWA ceiling						
			[illegible]								Ca				[illegible]		
Trichlorofluoromethane (Fluorotrichloromethane) [illegible]			[illegible]	[illegible]			[illegible]	[illegible]			[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	
															[illegible]		
Trichloromethane (Chloroform) [illegible]	[illegible] A2	[illegible] A2			2	[illegible]					[illegible]	[illegible]	[illegible]	50		[illegible]	[illegible]
											Ca 60-min STEL				[illegible]		
Trichloromethylsilane		5				5				5				5			
[illegible]			Skin				Skin				Skin				[illegible]		
Trichloronitromethane (Chloropicrin) [illegible]	[illegible]	[illegible]			[illegible]	[illegible]			[illegible]	[illegible]			[illegible]	[illegible]			
2,4,6-Trichlorophenol [illegible]																	[illegible]
2,4,5-Trichlorophenoxyacetic acid [illegible]		[illegible]				3				3				[illegible]		[illegible]	[illegible]
															[illegible]		
1,2,3-Trichloropropane [illegible]	[illegible]	60			[illegible]	60			[illegible]	60			50	300		[illegible]	[illegible]
			Skin								Ca Skin						

SUBSTANCE	ACGIH TLVs				OSHA PELs				NIOSH RELs				DOE MAKs				CARCINOGEN
	TWA		STEL/CEIL(C)		TWA		STEL/CEIL(C)		TWA		STEL/CEIL(C)		TWA		PEAK		
CAS #	ppm	mg/m³	ppm	mg/m³	ppm	mg/m³	ppm	mg/m³	ppm	mg/m³	ppm	mg/m³	ppm	mg/m³	ppm	mg/m³	
1,1,2-Trichloro-1,2,2-trifluoroethane [illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1000	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	500	[illegible]		[illegible]	
Trisodium phosphate (Cytrisolin) [illegible]		5				5				5							
Triphenyltin [illegible] (Cyhexatin) [illegible]		0.08				0.05*				0.05*				0.15			[illegible]
			[illegible]			*Respirable dust				Ca *Respirable dust					[illegible]		
Tribromomethane [illegible]		NIC-6															
Tributylamine [illegible]	10	41	15	62	10	46	15	69					10	46		[illegible]	
Trifluorotrichloroethane [illegible]	[illegible]	[illegible]			[illegible]	[illegible]			[illegible]	[illegible]			[illegible]	[illegible]		[illegible]	
Trimellitic anhydride [illegible]	[illegible]	[illegible]			0.005	0.04			0.005	0.04			0.005	0.04			
			NIC-C0.04							Handle with care					[illegible]		
Trimethylamine [illegible]	5	[illegible]	15	38	10	24	15	36	10	24	15	36					
2,4,6-Trinitrotoluene [illegible]																	[illegible]

SUBSTANCE	ACGIH TLVs				OSHA PELs				NIOSH RELs				DFG MAKs			CARCINOGEN
	TWA		STEL/CEIL(C)		TWA		STEL/CEIL(C)		TWA		STEL/CEIL(C)		TWA		PEAK	
CAS #	ppm	mg/m³	ppm	mg/m³	ppm	mg/m³	ppm	mg/m³	ppm	mg/m³	ppm	mg/m³	ppm	mg/m³		
Trimethyl borate [illegible]	25	22			25	25			25	25						
Trimethyl phosphate 512-56-1																
Trimethyl phosphite 121-45-9	2	3			2	10			2	0						
2,4,7-Trinitrofluorenone 129-79-3																
2,4,6-Trinitrophenol (Picric acid) 88-89-1		0.1				0.1				0.1		0.3		0.1		
						Skin				Skin				[illegible]		
2,4,6-Trinitrophenylmethylnitramine (Tetryl) 479-45-8		5				0.1				1.5				1.5		
						Skin				Skin				[illegible]		
2,4,6-Trinitrotoluene (TNT) [illegible]		0.5				0.5				0.5			0.01	0.1		
		Skin				Skin				Skin				[illegible]		
Triorthocresyl phosphate 78-30-8		0.1				0.1				0.1						
		Skin				Skin				Skin						
Triphenyl amine 603-34-9		5				5				5						

SUBSTANCE	ACGIH TLVs				OSHA PELs				NIOSH RELs				DFG MAKs			CARCINOGEN
	TWA		STEL/CEIL(C)		TWA		STEL/CEIL(C)		TWA		STEL/CEIL(C)		TWA		PEAK	
CAS #	ppm	mg/m³	ppm	mg/m³	ppm	mg/m³	ppm	mg/m³	ppm	mg/m³	ppm	mg/m³	ppm	mg/m³		
Triphenyl phosphate [illegible]-66-6		3				3				3						
Tripoli (Silica-Crystalline) [illegible]-86-9		0.1				0.1				0.05				0.15		ARC 1A NCSH-1
		[illegible] of respirable respirable quartz				[illegible] respirable quartz dust				CA [illegible] respirable dust				(F)		
Tris(2-chloroethyl)-sym-triazinetrione (Trichloracetic) 68-76-8																ARC 3
Tris(1-aziridinyl)phosphine sulfide (Thiotepa) 52-24-4																ARC NTP 2
Tris(2,3-dibromopropyl) phosphate (TRIS) [illegible]-72-7																EPA B2 ARC 2A NTP 2
Tripoli dust (commercial grade) [illegible]-57-1																EPA B2 ARC 2B
Tungsten insoluble compounds, as W		5		10		5		10		5		10				
Tungsten, Soluble compounds, as W		1		3		1		3		1		3				
Turpentine 8006-64-2	100	556			100	500			100	500			100	500		
														(S)		

SUBSTANCE CAS #	ACGIH TLVs TWA ppm	ACGIH TLVs TWA mg/m³	ACGIH TLVs STEL/CEIL(C) ppm	ACGIH TLVs STEL/CEIL(C) mg/m³	OSHA PELs TWA ppm	OSHA PELs TWA mg/m³	OSHA PELs STEL/CEIL(C) ppm	OSHA PELs STEL/CEIL(C) mg/m³	NIOSH RELs TWA ppm	NIOSH RELs TWA mg/m³	NIOSH RELs STEL/CEIL(C) ppm	NIOSH RELs STEL/CEIL(C) mg/m³	DFG MAKs TWA ppm	DFG MAKs TWA mg/m³	DFG MAKs PEAK	CARCINOGEN
Urethane [illegible]											[illegible]	[illegible]				
Urethane [illegible]																[illegible]
Urethane (Ethyl carbamate) [illegible]		[illegible]		[illegible]		[illegible]		[illegible]		[illegible]		[illegible]		[illegible]	[illegible]	[illegible]
Urethane [illegible]																[illegible]
n-Valeraldehyde [illegible]	50	[illegible]			50	[illegible]			50	[illegible]						
Vanadium pentoxide as V_2O_5. Respirable dust or fume [illegible]		[illegible]				[illegible]						[illegible]		[illegible]	[illegible]	
Vegetable oil mists		[illegible]				[illegible]				[illegible]						
Vinyl acetate [illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]			[illegible]	[illegible]	[illegible]	[illegible]		[illegible]
Vinyl benzene (Styrene monomer) [illegible]	50	[illegible]	[illegible]	[illegible]	50	[illegible]	[illegible]	425	50	[illegible]	[illegible]	425	20	85	[illegible]	[illegible]

SUBSTANCE CAS #	ACGIH TLVs TWA ppm	ACGIH TLVs TWA mg/m³	ACGIH TLVs STEL/CEIL(C) ppm	ACGIH TLVs STEL/CEIL(C) mg/m³	OSHA PELs TWA ppm	OSHA PELs TWA mg/m³	OSHA PELs STEL/CEIL(C) ppm	OSHA PELs STEL/CEIL(C) mg/m³	NIOSH RELs TWA ppm	NIOSH RELs TWA mg/m³	NIOSH RELs STEL/CEIL(C) ppm	NIOSH RELs STEL/CEIL(C) mg/m³	DFG MAKs TWA ppm	DFG MAKs TWA mg/m³	DFG MAKs PEAK	CARCINOGEN
Vinyl bromide 593-60-2	5 A2	22 A2			5	20										[illegible]
Vinyl chloride 75-01-4	5 A1	[illegible] A1			1			C5								[illegible]
Vinyl cyanide (Acrylonitrile) 107-13-1	2 A2	4.3 A2		Skin	2			C10	1		10*				(H)	[illegible]
Vinyl cyclohexane 100-40-3	3.1 A2	0.4 A2														[illegible]
Vinyl cyclohexene dioxide 106-87-6	10 A2	57 A2		Skin	10	60		Skin	10	60		Ca, Skin				[illegible]
Vinyl fluoride 75-02-5									1		5*					[illegible]
Vinylidene chloride (1,1-Dichloroethylene) 75-35-4	5	20	20	79	1	4							2	8	(C)	[illegible]
[illegible] (1,1-Difluoroethylene) 75-38-7									1		5*					[illegible]
9-Vinyl-2-pyrrolidone 88-12-0																[illegible]

SUBSTANCE	ACGIH TLVs TWA ppm	ACGIH TLVs TWA mg/m³	ACGIH TLVs STEL/CEIL(C) ppm	ACGIH TLVs STEL/CEIL(C) mg/m³	OSHA PELs TWA ppm	OSHA PELs TWA mg/m³	OSHA PELs STEL/CEIL(C) ppm	OSHA PELs STEL/CEIL(C) mg/m³	NIOSH RELs TWA ppm	NIOSH RELs TWA mg/m³	NIOSH RELs STEL/CEIL(C) ppm	NIOSH RELs STEL/CEIL(C) mg/m³	DOT HAZMAT TWA ppm	DOT HAZMAT TWA mg/m³	DOT HAZMAT PEAK	CARCINOGEN
[illegible]	50	242	100	483	100	480			50	480			50	480		
[illegible]	100	[illegible]			200	150	400	600		150		600				
[illegible]		0.1				0.1				0.1				0.5	2	
Welding fumes (NOC)		5				5										
Wood dust (certain hard woods as beech & oak)		1				5		10		1						
Wood dust, soft wood		5		10		5		10		1				5		
Wood: Western red cedar						2.5								5		
Xylene (o-, m-, p-isomers)	100	434	150	651	100	435	150	655	100	435	150	655	100	440		
m-Xylene α,α'-diamine				0.1				0.1				0.1				

SUBSTANCE CAS #	ACGIH TLVs TWA ppm	ACGIH TLVs TWA mg/m³	ACGIH TLVs STEL/CEIL(C) ppm	ACGIH TLVs STEL/CEIL(C) mg/m³	OSHA PELs TWA ppm	OSHA PELs TWA mg/m³	OSHA PELs STEL/CEIL(C) ppm	OSHA PELs STEL/CEIL(C) mg/m³	NIOSH RELs TWA ppm	NIOSH RELs TWA mg/m³	NIOSH RELs STEL/CEIL(C) ppm	NIOSH RELs STEL/CEIL(C) mg/m³	DOT HAZMAT TWA ppm	DOT HAZMAT TWA mg/m³	DOT HAZMAT PEAK	CARCINOGEN
Xylidine (Mixed isomers) 1300-73-8	2.5 A2	2.5 A2			2	10			2	10			5	25		
2,4-Xylidine 95-68-1													5	25		
Yttrium [illegible] & compounds, as Y		1				1				1				5		
Zinc beryllium silicate, as Be 39413-47-3		0.002 A2				0.002		C0.005 C0.025								
Zinc oxide fume 1314-13-2	1			2		1		2		1		2		1		
Zinc chromates, as Cr 13530-65-9 11103-86-9 37300-23-5		0.01 A1						C0.1		0.001				1		
Zinc oxide, Fume 1314-13-2		5		10		5		10		5		10		5		
Zinc oxide, Dust 1314-13-2		10				10				5		15		1		
Zinc stearate 557-05-1		10				10				10						

SUBSTANCE	ACGIH TLVs TWA ppm	ACGIH TLVs TWA mg/m³	ACGIH TLVs STEL/CEIL(C) ppm	ACGIH TLVs STEL/CEIL(C) mg/m³	OSHA PELs TWA ppm	OSHA PELs TWA mg/m³	OSHA PELs STEL/CEIL(C) ppm	OSHA PELs STEL/CEIL(C) mg/m³	NIOSH RELs TWA ppm	NIOSH RELs TWA mg/m³	NIOSH RELs STEL/CEIL(C) ppm	NIOSH RELs STEL/CEIL(C) mg/m³	DFG MAKs TWA ppm	DFG MAKs TWA mg/m³	DFG MAKs PEAK	IARC ROGER
Zirconium [illegible] compounds as Zr		5		10		5		10		5		10		5		
																?

50-00-0 Formaldehyde
50-07-7 Mitomycin C
50-18-0 Cyclophosphamide
50-29-3 DDT (Dichlorodiphenyltrichloroethane)
50-32-8 Benzo(a)pyrene
50-55-5 Reserpine
50-76-0 Actinomycin D
50-78-2 Acetylsalicylic acid (Aspirin)
51-52-5 Propylthiouracil
51-75-2 Nitrogen mustard (N-Methyl-bis(2-chloroethyl) amine)
51-79-6 Urethane (Ethyl carbamate)
51-79-6 Carbamic acid, ethyl ester
52-24-4 Tris(1-aziridinyl)phosphine sulfide (Thiotepa)
53-70-3 Dibenz(a,h)anthracene
53-96-3 2-Acetylaminofluorene
54-11-5 Nicotine
55-18-5 N-Nitrosodiethylamine (NDEA)
55-38-9 Fenthion
55-63-0 Nitroglycerin (NG)
55-98-1 1,4-Butanediol dimethylsulfonate (Myleran)
56-04-2 Methylthiouracil
56-23-5 Carbon tetrachloride (Tetrachloromethane)
56-38-2 Parathion
56-53-1 Diethylstilbestrol
56-55-3 Benz(a)anthracene
56-75-7 Chloramphenicol
56-81-5 Glycerin mist
57-14-7 1,1-Dimethylhydrazine
57-24-9 Strychnine
57-41-0 Phenytoin (+ sodium salt)
57-50-1 Sucrose
57-57-8 beta-Propiolactone
57-74-9 Chlordane
58-89-9 Lindane (gamma-Hexachlorocyclohexane)
59-89-2 N-Nitrosomorpholine (NMOR)
60-11-7 4-Dimethylaminoazobenzene
60-29-7 Ethyl ether (Diethyl ether)
60-34-4 Methyl hydrazine
60-35-5 Acetamide
60-57-1 Dieldrin
61-57-4 Nitrofurazone
61-82-5 Amitrole (3-Amino-1,2,4-triazole)
62-44-2 Phenacetin
62-50-0 Ethyl methane sulphonate
62-53-3 Aniline & homologues
62-55-5 Thioacetamide (TAA)
62-56-6 Thiourea
62-73-7 Dichlorvos (DDVP)
62-74-8 Sodium fluoroacetate (Sodium perfluoroacetate)
62-75-9 N-Nitrosodimethylamine (N,N-Dimethylnitrosoamine)
63-25-2 Carbaryl (Sevin®)
63-92-3 Phenylbenzamine hydrochloride
64-17-5 Ethyl alcohol (Ethanol)
64-18-6 Formic acid
64-19-7 Acetic acid
64-67-5 Diethyl sulfate
66-27-3 Methyl methanesulphonate
66-75-1 Uracil mustard
67-56-1 Methyl alcohol (Methanol)
67-63-0 Isopropyl alcohol
67-64-1 Acetone
67-66-3 Chloroform (Trichloromethane)

67-72-1	Hexachloroethane
68-11-1	Thioglycolic acid
68-12-2	Dimethylformamide
68-76-8	Tris(aziridinyl)-para-benzoquinone (Triaziquone)
70-25-7	N-Methyl-N'-nitro-n-nitrosoguanidine
71-23-8	n-Propyl alcohol
71-36-3	n-Butyl alcohol
71-43-2	Benzene
71-55-6	Methyl chloroform (1,1,1-Trichloroethane)
72-02-5	Vinyl fluoride
72-20-8	Endrin
72-43-5	Methoxychlor
72-57-1	Trypan blue (commercial grade)
74-82-8	Methane
74-83-9	Methyl bromide
74-84-0	Ethane
74-85-1	Ethylene
74-86-2	Acetylene
74-87-3	Methyl chloride
74-88-4	Methyl iodide
74-89-5	Methylamine
74-90-8	Hydrogen cyanide
74-93-1	Methyl mercaptan (Methanethiol)
74-96-4	Ethyl bromide (Bromoethane)
74-97-5	Chlorobromomethane (Bromochloromethane)
74-98-6	Propane
74-99-7	Methyl acetylene (Propyne)
75-00-3	Ethyl chloride (Chloroethane)
75-01-4	Vinyl chloride (Chloroethylene)
75-04-7	Ethylamine
75-05-8	Acetonitrile
75-07-0	Acetaldehyde
75-08-1	Ethyl mercaptan (Ethanethiol)
75-09-2	Methylene chloride (Dichloromethane)
75-12-7	Formamide
75-15-0	Carbon disulfide
75-21-8	Ethylene oxide
75-25-2	Bromoform
75-31-0	Isopropylamine
75-34-3	1,1-Dichloroethane (Ethylidene chloride)
75-35-4	Vinylidene chloride (1,1-Dichloroethylene)
75-38-7	1,1-Difluoroethylene (Vinylidene fluoride)
75-43-4	Dichlorofluoromethane
75-44-5	Phosgene (Carbonyl chloride)
75-45-6	Chlorodifluoromethane
75-47-8	Iodoform
75-50-3	Trimethylamine
75-52-5	Nitromethane
75-55-8	Propylene imine (2-Methylaziridine)
75-56-9	Propylene oxide (1,2-Epoxypropane)
75-61-6	Difluorodibromomethane
75-63-8	Trifluorobromomethane
75-64-9	tert-Butylamine
75-65-0	tert-Butyl alcohol
75-69-4	Trichlorofluoromethane (Fluorotrichloromethane)
75-71-8	Dichlorodifluoromethane
75-74-1	Tetramethyl lead
75-86-5	Acetone cyanohydrin
75-99-0	2,2-Dichloropropionic acid
76-01-7	Pentachloroethane
76-03-9	Trichloroacetic acid
76-06-2	Chloropicrin (Nitrotrichloromethane; Trichloronitro-

	methane)
76-11-9	1,1,1,2-Tetrachloro-2,2-difluoroethane
76-12-0	1,1,2,2-Tetrachloro-1,2-difluoroethane
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane
76-14-2	Dichlorotetrafluoroethane
76-15-3	Chloropentafluoroethane
76-22-2	Camphor, synthetic
76-38-0	Methoxyflurane
76-44-8	Heptachlor and Heptachlor epoxide
77-47-4	Hexachlorocyclopentadiene
77-73-6	Dicyclopentadiene
77-78-1	Dimethyl sulfate
78-00-2	Tetraethyl lead
78-10-4	Ethyl silicate (Tetraethyl orthosilicate)
78-30-8	Triorthocresyl phosphate
78-34-2	Dioxathion (Delnav)
78-59-1	Isophorone
78-81-9	Isobutyl amine
78-82-0	Isobutyronitrile
78-83-1	Isobutyl alcohol
78-87-5	Propylene dichloride (1,2-Dichloropropane)
78-92-2	sec-Butyl alcohol
78-93-3	Methyl ethyl ketone (MEK; 2-Butanone)
78-95-5	Chloroacetone
79-00-5	1,1,2-Trichloroethane
79-01-6	Trichloroethylene
79-04-9	Chloroacetyl chloride
79-06-1	Acrylamide
79-09-4	Propionic acid
79-10-7	Acrylic acid
79-20-9	Methyl acetate
79-24-3	Nitroethane
79-27-6	Acetylene tetrabromide (1,1,2,2-Tetrabromoethane)
79-34-5	1,1,2,2-Tetrachloroethane
79-41-4	Methacrylic acid
79-44-7	Dimethyl carbamoyl chloride
79-46-9	2-Nitropropane
80-62-6	Methacrylate acid, methyl ester
81-07-2	Saccharin
81-81-2	Warfarin
82-28-0	1-Amino-2-methylanthraquinone
82-68-8	Pentachloronitrobenzene
83-26-1	Pindone (2-Pivalyl-1,3-indandione)
83-79-4	Rotenone (commercial)
84-66-2	Diethyl phthalate
84-74-2	Dibutyl phthalate
85-44-9	Phthalic anhydride
86-50-0	Azinphos-methyl (Guthion®)
86-57-7	1-Nitronaphthalene
86-88-4	ANTU (α-Naphthylthiourea)
87-68-3	Hexachlorobutadiene
87-86-5	Pentachlorophenol
88-06-2	2,4,6-Trichlorophenol
88-10-8	Diethylcarbamoyl chloride
88-12-0	N-Vinyl-2-pyrrolidone
88-72-2	Nitrotoluene, o-isomer
88-73-3	1-Chloro-2-nitrobenzene
88-89-1	Picric acid (2,4,6-Trinitrophenol)
89-72-5	o-sec-Butylphenol
90-94-8	Michler's ketone
91-08-7	Toluene-2,6-diisocyanate
91-20-3	Naphthalene

91-59-8	beta-Naphthylamine
91-94-1	3,3'-Dichlorobenzidine
91-95-2	3,3'-Diaminobenzidine
92-52-4	Biphenyl (Diphenyl)
92-67-1	4-Aminodiphenyl
92-84-2	Phenothiazine
92-87-5	Benzidine
92-93-3	4-Nitrodiphenyl (4-Nitrobiphenyl)
93-76-5	2,4,5-T (2,4,5-Trichlorophenoxyacetic acid)
94-36-0	Benzoyl peroxide (Dibenzoyl peroxide)
94-58-6	Dihydrosafrole
94-59-7	Safrole
94-75-7	2,4-D (2,4-Dichlorophenoxyacetic acid)
94-78-0	Phenazopyridine
95-06-7	Diethyldithiocarbamic acid 2-chloralyl-ester (Sulfallate)
95-13-6	Indene
95-49-8	o-Chlorotoluene
95-50-1	o-Dichlorobenzene (1,2-Dichlorobenzene)
95-53-4	o-Toluidine
95-54-5	o-Phenylenediamine
95-68-1	2,4-Xylidine
95-69-2	4-Chloro-o-toluidine
95-79-4	5-Chloro-o-toluidine
95-80-7	2,4-Diaminotoluene (Toluene-2,4-diamine)
95-83-0	4-Chloro-o-phenylenediamine
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)
96-18-4	1,2,3-Trichloropropane
96-22-0	Diethyl ketone
96-33-3	Methyl acrylate (Acrylic acid, methyl ester)
96-45-7	Ethylene thiourea
96-69-5	4,4'-Thiobis(6-tert-butyl-m-cresol)
97-56-3	o-Aminoazotoluene
97-77-8	Disulfiram
98-00-0	Furfuryl alcohol
98-01-1	Furfural
98-07-7	Benzotrichloride
98-51-1	p-tert-Butyltoluene
98-54-4	p-tert-Butylphenol
98-82-8	Cumene
98-83-9	alpha-Methyl styrene
98-87-3	Benzal chloride
98-95-3	Nitrobenzene
99-08-1	Nitrotoluene, m-isomer
99-55-8	4-Nitro-2-aminotoluene
99-58-2	5-Nitro-o-anisidine
99-99-0	Nitrotoluene, p-isomer
100-00-5	p-Nitrochlorobenzene
100-01-6	p-Nitroaniline
100-37-8	2-Diethylaminoethanol
100-40-3	Vinyl cyclohexene
100-41-4	Ethyl benzene
100-42-5	Styrene, monomer (Phenylethylene; Vinyl benzene)
100-44-7	Benzyl chloride
100-61-8	N-Methyl aniline (Monomethyl aniline)
100-63-0	Phenylhydrazine
100-74-3	N-Ethylmorpholine
100-75-4	N-Nitrosopiperidine (NPIP)
101-14-4	4,4'-Methylene bis(2-chloroaniline); (MBOCA)
101-61-1	4,4'-Methylene bis(N,N-dimethyl) benzenamine (Michler's base)
101-68-8	Methylene bisphenyl isocyanate (MDI)

101-77-9	4,4'-Methylene dianiline (4,4'-Diaminodiphenylmethane)
101-80-4	4,4'-Diaminodiphenyl ether (4,4'-Oxydianiline)
101-84-8	Phenyl ether, vapor
101-90-6	Diglycidyl resorcinol ether
102-54-5	Dicyclopentadienyl iron (Ferrocene)
102-81-8	2-N-Dibutylaminoethanol
105-46-4	sec-Butyl acetate
105-60-2	Caprolactam dust
105-60-2	Caprolactam vapor
106-35-4	Ethyl butyl ketone (3-Heptanone)
106-46-7	p-Dichlorobenzene (1,4-Dichlorobenzene)
106-49-0	p-Toluidine
106-50-3	p-Phenylenediamine
106-51-4	Quinone (p-Benzoquinone)
106-87-6	Vinyl cyclohexene dioxide
106-89-7	1,2-Butylene oxide
106-89-8	Epichlorohydrin (1-Chloro-2,3-epoxypropane)
106-92-3	Allyl glycidyl ether (AGE)
106-93-4	Ethylene dibromide (1,2-Dibromoethane)
106-97-8	Butane
106-99-0	1,3-Butadiene
107-02-8	Acrolein
107-03-9	n-Propylmercaptan
07-05-1	Allyl chloride
107-06-2	Ethylene dichloride (1,2-Dichloroethane)
107-07-3	Ethylene chlorohydrin (2-Chloroethanol)
107-12-0	Propionitrile
107-13-1	Acrylonitrile (Vinyl cyanide)
107-15-3	Ethylenediamine (1,2-Diaminoethane)
107-16-4	Glycolonitrile
107-18-6	Allyl alcohol
107-19-7	Propargyl alcohol
107-20-0	Chloroacetaldehyde
107-21-1	Ethylene glycol vapor
107-30-2	Chloromethyl methyl ether (Methyl chloromethyl ether; Monochlorodimethyl ether)
107-31-3	Methyl formate (Formic acid, methyl ester)
107-41-5	Hexylene glycol
107-49-3	TEPP (Tetraethyl dithiopyrophosphate)
107-66-4	Dibutyl phosphate
107-87-9	Methyl propyl ketone (2-Pentanone)
107-98-2	Propylene glycol monomethyl ether
108-03-2	1-Nitropropane
108-05-4	Vinyl acetate
108-10-1	Methyl isobutyl ketone (Hexone)
108-11-2	Methyl isobutyl carbinol (Methyl amyl alcohol; 4-Methyl-2-pentanol)
108-18-9	Diisopropylamine
108-20-3	Isopropyl ether
108-21-4	Isopropyl acetate
108-24-7	Acetic anhydride
108-31-6	Maleic anhydride
108-44-1	m-Toluidine
108-45-2	m-Phenylenediamine
108-46-3	Resorcinol
108-65-6	Propylene glycol 1-methyl ether-2-acetate
108-83-8	Diisobutyl ketone (2,6-Dimethyl-4-heptanone)
108-84-9	sec-Hexyl acetate
108-87-2	Methylcyclohexane
108-88-3	Toluene (Toluol)
108-90-7	Chlorobenzene (Monochlorobenzene)

108-91-8 Cyclohexylamine
108-93-0 Cyclohexanol
108-94-1 Cyclohexanone
108-95-2 Phenol
108-98-5 Phenyl mercaptan
108-59-1 Isopropoxyethanol
108-60-4 n-Propyl acetate
108-88-0 Pentane
108-73-9 n-Butylamine
108-74-0 n-Butyronitrile
108-77-3 Malononitrile
108-79-5 Butyl mercaptan (Butanethiol)
108-86-4 2-Methoxyethanol (Ethylene glycol, monomethyl ether)
108-87-5 Methylal (Dimethoxymethane)
108-89-7 Diethylamine
108-94-4 Ethyl formate (Formic acid, ethyl ester)
108-99-9 Tetrahydrofuran
110-12-3 Methyl isoamyl ketone
110-19-0 Isobutyl acetate
110-43-0 Methyl n-amyl ketone (2-Heptanone)
110-49-6 2-Methoxyethyl acetate (Ethylene glycol, monomethyl ether acetate))
110-54-3 Hexane (n-Hexane)
110-61-2 Succinonitrile
110-62-3 n-Valeraldehyde
110-66-7 Pentylmercaptan
110-80-5 2-Ethoxyethanol (Ethylene glycol, monoethyl ether)
110-82-7 Cyclohexane
110-83-8 Cyclohexene
110-86-1 Pyridine
110-91-8 Morpholine
111-15-9 2-Ethoxyethyl acetate (Ethylene glycol, monoethyl ether acetate)
111-30-8 Glutaraldehyde
111-31-9 n-Hexylmercaptan
111-40-0 Diethylene triamine
111-42-2 Diethanolamine
111-44-4 Dichloroethyl ether
111-65-9 Octane
111-69-3 Adiponitrile
111-76-2 2-Butoxyethanol (Ethylene glycol monobutyl ether)
111-84-2 Nonane
111-88-6 n-Octylmercaptan
112-07-2 Ethylene glycol monobutyl ether acetate (2-Butoxyethanol acetate)
112-55-0 Dodecylmercaptan
114-26-1 Propoxur (Baygon®)
115-02-6 Azaserine
115-07-1 Propylene
115-10-6 Dimethyl ether
115-26-4 Chlorendic acid
115-29-7 Endosulfan
115-77-5 Pentaerythritol
115-86-6 Triphenyl phosphate
115-90-2 Fensulfothion (Dasanit)
117-79-3 2-Aminoanthraquinone (AAQ)
117-81-7 Di-sec-octyl phthalate (Di(2-ethylhexyl)phthalate; DEHP)
118-52-5 1,3-Dichloro-5,5-dimethyl hydantoin
118-74-1 Hexachlorobenzene (HCB)
118-96-7 2,4,6-Trinitrotoluene (TNT)
119-34-6 4-Amino-2-nitrophenol (2-Nitro-4-aminophenol)

119-90-4 o-Dianisidine-based dyes (3,3'-Dimethoxybenzidine)
119-93-7 o-Tolidine (3,3'-Dimethylbenzidine)
120-71-8 p-Cresidine (Methyl-o-anisidine)
120-80-9 Catechol (Pyrocatechol)
120-82-1 1,2,4-Trichlorobenzene
121-44-8 Triethylamine
121-45-9 Trimethyl phosphite
121-69-7 Dimethylaniline (N,N-Dimethylaniline)
121-75-5 Malathion
121-82-4 Cyclonite (RDX)
122-39-4 Diphenylamine
122-60-1 Phenyl glycidyl ether (PGE)
122-66-7 Hydrazobenzene
123-19-3 Dipropyl ketone
123-31-9 Hydroquinone (Dihydroxybenzene)
123-42-2 Diacetone alcohol (4-Hydroxy-4-methyl-2-pentanone)
123-51-3 Isoamyl alcohol
123-86-4 n-Butyl acetate
123-91-1 Dioxane (Delnav)
123-92-2 Isoamyl acetate
124-09-4 1,6-Hexanediamine
124-38-9 Carbon dioxide
124-40-3 Dimethylamine
126-72-7 Tris(2,3-dibromopropyl)phosphate (TRIS)
126-73-8 Tributyl phosphate
126-98-7 Methylacrylonitrile
126-99-8 beta-Chloroprene (2-Chloro-1,3-butadiene)
127-18-4 Perchloroethylene (Tetrachloroethylene)
127-19-5 N,N-Dimethyl acetamide
128-37-0 2,6-Di-tert-butyl-p-cresol
128-44-9 Sodium saccharin
129-15-7 2-Methyl-1-nitroanthraquinone
129-79-3 2,4,7-Trinitrofluorenone
131-11-3 Dimethylphthalate
132-32-1 3-Amino-9-ethylcarbazole
133-06-2 Captan
134-29-2 o-Anisidine hydrochloride
134-32-7 alpha-Naphthylamine
135-20-6 Cupferron
135-88-6 N-Phenyl-beta-naphthylamine
136-40-3 Phenazopyridine hydrochloride (PAP)
136-78-7 Sesone (Crag® herbicide)
137-05-3 Methyl 2-cyanoacrylate
137-17-7 2,4,5-Trimethylaniline
137-26-8 Thiram
138-22-7 n-Butyl lactate
139-13-9 Nitrilotriacetic acid (NTA)
139-65-1 4,4'-Thiodianiline
140-67-0 Butylphenoxyisopropyl chloroethyl sulfite (Aramite)
140-88-5 Ethyl acrylate (Acrylic acid, ethyl ester)
141-32-2 n-Butyl acrylate (Acrylic acid, n-butyl ester)
141-43-5 Ethanolamine (2-Aminoethanol)
141-66-2 Dicrotophos
141-78-6 Ethyl acetate
141-79-7 Mesityl oxide
142-64-3 Piperazine dihydrochloride
142-82-5 Heptane (n-Heptane)
143-10-2 Decylmercaptan
143-33-9 Cyanide, Sodium
143-50-0 Chlordecone (Kepone)
144-62-7 Oxalic acid

148-01-6	Dinitolmide (3,5-Dinitro-o-toluamide, Zoalene)
148-82-3	Melphalan
150-76-5	4-Methoxyphenol
151-50-8	Cyanide, Potassium
151-56-4	Ethyleneimine
151-67-7	Halothane
154-93-8	Bischloroethyl nitrosourea (BCNU)
156-10-5	p-Nitrosodiphenylamine
156-62-7	Calcium cyanamide
189-55-9	Dibenzo(a,i)pyrene
189-64-0	Dibenzo(a,h)pyrene
192-65-4	Dibenzo(a,e)pyrene
193-39-5	Indeno(1,2,3-cd)pyrene
194-59-2	7H-Dibenzo(c,g)carbazole
205-99-2	Benzo(b)fluoranthene
218-01-9	Chrysene
224-42-0	Dibenz(a,j)acridine
226-36-8	Dibenz(a,h)acridine
231-36-7	Diquat
287-92-3	Cyclopentane
298-00-0	Methyl parathion
298-02-2	Phorate
298-04-4	Disulfoton
298-75-2	Trecsulphan
299-84-3	Ronnel
299-86-5	Crotoxyfos
300-76-5	Naled (Dibrom)
301-04-2	Lead acetate
302-01-2	Hydrazine
302-70-5	Nitrogen mustard N-oxide hydrochloride
303-34-4	Lasiocarpine
305-03-3	Chlorambucil
309-00-2	Aldrin
314-40-9	Bromacil
315-22-0	Monocrotaline
330-54-1	Diuron
333-41-5	Diazinon
334-88-3	Diazomethane
353-50-4	Carbonyl fluoride
366-70-1	Procarbazine hydrochloride
406-90-6	Fluorene
409-21-2	Silicon carbide
420-04-2	Cyanamide
434-07-1	Oxymetholone
443-48-1	Metronidazole
446-86-6	Azathioprine
460-19-5	Cyanogen
463-51-4	Ketene
479-45-8	Tetryl (2,4,6-Trinitrophenylmethylnitramine)
492-80-8	Auramine manufacture
494-03-1	Chlormaphazine
504-29-0	2-Aminopyridine
505-60-2	Mustard gas (2,2'-Dichlorodiethyl sulfide)
506-77-4	Cyanogen chloride
509-14-8	Tetranitromethane
512-56-1	Trimethyl phosphate
513-37-1	Dimethyl vinyl chloride
528-29-0	Dinitrobenzene (all isomers)
531-76-0	Melphalan
531-82-8	N-[4-(5-Nitro-2-furyl)-2-thiazolyl] acetamide (Furathiazole)
532-27-4	alpha-Chloroacetophenone (Phenacyl chloride)

534-52-1	Dinitro-o-cresol
540-59-0	1,2-Dichloroethylene (Acetylene dichloride)
540-73-8	1,2-Dimethylhydrazine
540-88-5	tert-Butyl acetate
541-85-5	Ethyl amyl ketone (5-Methyl-3-heptanone)
542-75-6	1,3-Dichloropropene
542-88-1	bis(Chloromethyl) ether
542-92-7	Cyclopentadiene
546-93-0	Magnesite
552-30-7	Trimellitic anhydride
555-84-0	1-[(5-Nitrofurylidene)amino]-2-imidazolidinone
556-52-5	Glycidol (2,3-Epoxy-1-propanol)
557-05-1	Zinc stearate
558-13-4	Carbon tetrabromide
563-12-2	Ethion
563-47-3	3-Chloro-2-methylpropene
563-80-4	Methyl isopropyl ketone
581-89-5	2-Nitronaphthalene
583-60-8	o-Methylcyclohexanone
584-84-9	Toluene-2,4-diisocyanate (TDI)
590-86-5	Methylazoxymethanol
591-78-6	Methyl n-butyl ketone (2-Hexanone)
592-62-1	Methylazoxymethanol sulfate
593-60-2	Vinyl bromide
593-70-4	Chlorofluoromethane
594-42-3	Perchloromethyl mercaptan
594-72-9	1,1-Dichloro-1-nitroethane
598-56-1	N,N-Dimethyl ethyl amine
598-78-7	2-Chloropropionic acid
600-25-9	1-Chloro-1-nitropropane
601-77-4	N-Nitrosodiisopropylamine
602-87-9	5-Nitroacenaphthene
603-34-9	Triphenyl amine
612-64-6	N-Nitrosoethylphenylamine
613-35-4	N,N'-Diacetylbenzidine
614-00-6	N-Nitrosomethylphenylamine
615-05-4	2,4-Diaminoanisole
621-64-7	N-Nitrosodi-n-propylamine (NDPA)
624-83-9	Methyl isocyanate
626-17-5	m-Phthalodinitrile
626-38-0	sec-Amyl acetate
627-13-4	n-Propyl nitrate
628-63-7	n-Amyl acetate
629-06-6	Ethylene glycol dinitrate
630-08-0	Carbon monoxide
630-20-6	1,1,1,2-Tetrachloroethane
632-99-5	Magenta manufacture
636-21-5	o-Toluidine hydrochloride
638-21-1	Phenylphosphine
671-16-9	Procarbazine
680-31-9	Hexamethyl phosphoramide
681-84-5	Methyl silicate
684-16-2	Hexafluoroacetone
684-93-5	N-Nitroso-N-methylurea (NMU)
759-73-9	N-Nitroso-N-ethylurea (ENU)
764-41-0	1,4-Dichlorobutene-2
765-34-4	Glycidaldehyde
768-52-5	N-Isopropylaniline
794-93-4	Panfuran S
822-06-0	Hexamethylene diisocyanate
838-88-0	4,4'-Methylene bis(2-methylaniline)
872-50-4	N-Methyl-2-pyrrolidone (vapor)

924-16-3	N-Nitrosodi-n-butylamine (DBN)
930-55-2	N-Nitrosopyrrolidine (NPYR)
944-22-9	Fonofos
999-61-1	2-Hydroxypropyl acrylate
1066-30-4	Chromic acid
1116-54-7	N-Nitrosodiethanolamine (NDELA)
1120-71-4	Propane sultone
1121-03-5	2,4-Butane sultone
1189-85-1	tert-Butyl chromate
1300-73-8	Xylidine (mixed isomers), (Dimethylaminobenzene)
1302-74-5	Emery
1303-00-0	Gallium arsenide
1303-28-2	Arsenic pentoxide
1303-86-2	Boron oxide
1303-96-4	Borates, tetra, sodium salts, Anhydrous
1303-96-4	Borates, tetra, sodium salts, Decahydrate
1303-96-4	Borates, tetra, sodium salts, Pentahydrate
1304-82-1	Bismuth telluride, Undoped
1304-82-1	Bismuth telluride, Se-doped
1305-62-0	Calcium hydroxide
1305-78-8	Calcium oxide
1306-19-0	Cadmium oxide fume
1306-19-0	Cadmium oxide production
1309-37-1	Iron oxide fume (Fe_2O_3)
1309-48-4	Magnesium oxide fume
1309-48-4	Magnesium oxide
1309-64-4	Antimony trioxide, handling and use
1309-64-4	Antimony trioxide production
1310-58-3	Potassium hydroxide
1310-73-2	Sodium hydroxide
1314-13-2	Zinc oxide, dust and fume
1314-56-3	Phosphorus pentoxide
1314-61-0	Tantalum oxide dust
1314-62-1	Vanadium pentoxide
1314-80-3	Phosphorus pentasulfide
1317-35-7	Manganese tetroxide
1317-65-3	Calcium carbonate
1317-95-9	Silica–Crystalline, Tripoli
1319-77-3	Cresol, all isomers
1321-12-6	Nitrotoluene (all isomers)
1321-64-8	Pentachloronaphthalene
1321-65-9	Trichloronaphthalene
1321-74-0	Divinyl benzene
1327-53-3	Arsenic trioxide production
1330-20-7	Xylene (o-, m-, p-isomers), (Dimethylbenzene)
1332-21-4	Asbestos
1332-58-7	Kaolin
1333-74-0	Hydrogen
1333-82-0	Chromium trioxide
1333-86-4	Carbon black
1335-32-6	Lead subacetate
1335-87-1	Hexachloronaphthalene
1335-88-2	Tetrachloronaphthalene
1336-36-3	Polychlorinated biphenyls (PCBs)
1338-23-4	Methyl ethyl ketone peroxide
1344-28-1	Aluminum oxide (alpha-Alumina)
1344-95-2	Calcium silicate (synthetic)
1395-21-7	Subtilisins (proteolytic enzymes)
1455-21-6	n-Nonylmercaptan
1464-53-5	Diepoxybutane
1477-55-0	m-Xylene α,α'-diamine
1563-66-2	Carbofuran

1569-69-3	Cyclohexylmercaptan
1589-47-5	2-Methoxy-1-propanol
1615-80-1	1,2-Diethylhydrazine
1633-83-6	1,4-Butane sultone
1639-09-4	n-Heptylmercaptan
1694-09-3	Benzyl violet 4B
1738-25-6	Dimethylaminopropionitrile
1746-01-6	2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)
1836-75-5	2,4-Dichlorophenyl-p-nitrophenyl ether (TOK)
1912-24-9	Atrazine
1918-02-1	Picloram
1929-82-4	Nitrapyrin (2-Chloro-6-(trichloromethyl) pyridine)
1937-37-7	Direct black 38 (technical grade)
2039-87-4	o-Chlorostyrene
2104-64-5	EPN
2179-59-1	Allyl propyl disulfide
2234-13-1	Octachloronaphthalene
2238-07-5	Diglycidyl ether (DGE)
2385-85-5	Mirex
2425-06-1	Captafol
2426-08-6	n-Butyl glycidyl ether (BGE)
2431-50-7	2,3,4-Trichlorobutene-1
2528-36-1	Dibutyl phenyl phosphate
2551-62-4	Sulfur hexafluoride
308-46-2	Direct blue 6 (technical grade)
2646-17-5	Oil orange SS
2682-20-4	2-Methyl-2,3-dihydroisothiazol-3-one
2699-41-1	o-Chlorobenzylidene malononitrile
2699-79-8	Sulfuryl fluoride
2885-00-9	Octadecylmercaptan
2917-26-2	Cetylmercaptan (1-Hexadecanethiol)
2921-88-2	Chlorpyrifos
2971-90-6	Cloxacid
3031-51-4	5-(Morpholinomethyl)-3((5-nitro-furfuryridene) amino)-2-oxazolidinone
3033-62-3	bis(2-Dimethylaminoethyl) ether
3033-77-0	Glycidyl trimethyl ammonium chloride
3068-88-0	beta-Butyrolactone
3173-72-6	1,5-Naphthylene diisocyanate
3333-52-6	Tetramethyl succinonitrile
3383-96-8	Temephos
3564-09-8	Poncau 3R
3570-75-0	2-(2-Formylhydrazino)-4-(5-nitro-2-furyl) thiazole
3687-31-8	Lead arsenate
3689-24-5	Sulfotep (TEDP)
3697-24-3	5-Methylchrysene
3761-53-3	Poncau MX
3771-19-5	Natrocopin
3825-26-1	Ammonium perfluorooctanoate
4016-14-2	Isopropyl glycidyl ether (IGE)
4098-71-9	Isophorone diisocyanate
4170-30-3	Crotonaldehyde
4342-03-4	Decarbazine
4685-14-7	Paraquat
5124-30-1	Methylene bis(4-cyclohexylisocyanate)
5307-14-2	2-Nitro-p-phenylenediamine
5332-52-5	1-Undecanethiol
5714-22-7	Sulfur pentafluoride
6358-53-8	Citrus Red No. 2
6423-43-4	Propylene glycol dinitrate
6923-22-4	Monocrotophos
7429-90-5	Aluminum

7439-92-1	Lead
7439-96-5	Manganese dust and fume
7439-98-7	Molybdenum
7440-01-9	Neon
7440-02-0	Nickel
7440-06-4	Platinum
7440-16-6	Rhodium
7440-21-3	Silicon
7440-22-4	Silver
7440-25-7	Tantalum
7440-28-0	Thallium
7440-31-5	Tin
7440-33-7	Tungsten
7440-36-0	Antimony
7440-37-1	Argon
7440-38-2	Arsenic
7440-39-3	Barium
7440-41-7	Beryllium
7440-43-9	Cadmium
7440-47-3	Chromium
7440-48-4	Cobalt
7440-50-8	Copper dust and fume
7440-58-6	Hafnium
7440-59-7	Helium
7440-61-1	Uranium (natural)
7440-65-5	Yttrium
7440-67-7	Zirconium
7440-74-6	Indium
7446-09-5	Sulfur dioxide
7446-27-7	Lead phosphate
7446-34-6	Selenium sulfide
7553-56-2	Iodine
7572-29-4	Dichloroacetylene
7580-67-8	Lithium hydride
7616-94-6	Perchloryl fluoride
7631-90-5	Sodium bisulfite
7637-07-2	Boron trifluoride
7646-85-7	Zinc chloride fume
7647-01-0	Hydrogen chloride
7664-38-2	Phosphoric acid
7664-39-3	Hydrogen fluoride
7664-41-7	Ammonia
7664-93-9	Sulfuric acid
7665-72-7	tert-Butyl glycidyl ether
7681-57-4	Sodium metabisulfite
7697-37-2	Nitric acid
7719-09-7	Thionyl chloride
7719-12-2	Phosphorus trichloride
7722-84-1	Hydrogen peroxide
7722-88-5	Tetrasodium pyrophosphate
7723-14-0	Phosphorus (yellow)
7726-95-6	Bromine
7727-37-9	Nitrogen
7727-43-7	Barium sulfate
7758-97-6	Lead chromate
7773-06-0	Ammonium sulfamate
7778-39-4	Arsenous acid, arsenic acid and their salts
7778-18-9	Calcium sulfate (Gypsum; Plaster of Paris)
7778-44-1	Calcium arsenate
7782-41-4	Fluorine
7782-42-5	Graphite (natural)
7782-49-2	Selenium

7782-50-5	Chlorine
7782-65-2	Germanium tetrahydride
7782-79-8	Hydrazoic acid
7783-06-4	Hydrogen sulfide
7783-07-5	Hydrogen selenide
7783-41-7	Oxygen difluoride
7783-54-2	Nitrogen trifluoride
7783-60-0	Sulfur tetrafluoride
7783-79-1	Selenium hexafluoride
7783-80-4	Tellurium hexafluoride
7784-42-1	Arsine
7786-34-7	Mevinphos (Phosdrin®)
7789-06-2	Strontium chromate
7789-30-2	Bromine pentafluoride
7790-91-2	Chlorine trifluoride
7803-51-2	Phosphine
7803-52-3	Stibine
7803-62-5	Silicon tetrahydride (Silane)
8001-35-2	Chlorinated camphene (Toxaphene)
8002-74-2	Paraffin wax fume
8003-34-7	Pyrethrum
8006-61-9	Gasoline
8006-64-2	Turpentine
8008-20-6	Kerosene
8022-00-2	Methyl demeton (Demeton-methyl)
8030-30-6	Naphtha (Coal tar; Rubber solvent)
8032-32-4	VM & P Naphtha
8050-09-7	Rosin core solder (Colophony)
8052-41-3	Stoddard solvent
8052-42-4	Asphalt (petroleum) fumes (Bitumen)
8065-48-3	Demeton (Systox®)
9002-86-2	PVC
9004-34-6	Cellulose
9004-66-4	Iron dextran complex
9005-25-8	Starch
10025-67-9	Sulfur monochloride
10025-87-3	Phosphorus oxychloride
10026-13-8	Phosphorus pentachloride
10028-15-6	Ozone
10028-97-2	Nitrous oxide
10034-93-2	Hydrazine sulfate
10035-10-6	Hydrogen bromide
10048-13-2	Sterigmatocystin
10049-04-4	Chlorine dioxide
10102-43-9	Nitric oxide
10102-44-0	Nitrogen dioxide
10108-64-2	Cadmium chloride
10210-68-1	Cobalt carbonyl
10294-33-4	Boron tribromide
10265-86-6	N-Nitrosomethylethylamine
11097-69-1	Chlorodiphenyl (54% chlorine)
11103-86-9	Zinc chromate
12001-26-2	Mica
12001-28-4	Crocidolite (Asbestos)
12001-29-5	Chrysotile (Asbestos)
12002-48-1	Trichlorobenzene
12079-65-1	Manganese cyclopentadienyl tricarbonyl
12108-13-3	2-Methylcyclopentadienyl manganese tricarbonyl
12125-02-9	Ammonium chloride fume
12172-73-5	Amosite (Asbestos)
12604-58-9	Ferrovanadium dust
13007-92-6	Chromium carbonyl

13010-47-4	1-(2-Chloroethyl)-3-cyclohexyl-1-nitrosourea (CCNU)
13121-70-5	Cyhexatin (Tricyclohexyltin hydroxide)
13256-13-8	N-Nitrosomethylvinylamine (NMVA)
13256-22-9	N-Nitrososarcosine (NSAR)
13360-57-1	Dimethylsulfamoylchloride
13397-24-5	Gypsum (Calcium sulfate)
13463-39-3	Nickel carbonyl
13463-40-6	Iron pentacarbonyl
13463-67-7	Titanium dioxide
13494-80-9	Tellurium & compounds
13530-65-9	Zinc chromate
13758-19-0	Calcium chromate
13838-16-9	Enflurane
13952-84-6	sec-Butylamine
14464-46-1	Silica–Crystalline, Cristobalite
14464-64-1	Ferbam
14807-96-6	Talc (containing no asbestos fibers)
14808-60-7	Silica–Crystalline, Quartz
14901-08-7	Cycasin
14977-61-8	Chromyl chloride
15159-40-7	N-Chloroformyl morpholine
15468-32-3	Silica–Crystalline, Tridymite
15663-27-1	Cisplatin
16219-75-3	Ethylidene norbornene
16543-55-8	N'-Nitrosonornicotine (NNN)
16752-77-5	Methomyl
16842-03-8	Cobalt hydrocarbonyl
17804-35-2	Benomyl
18454-12-1	Lead chromate oxide
18883-66-4	Streptozotocin (STR)
19287-45-7	Diborane
19624-22-7	Pentaborane
20816-12-0	Osmium tetroxide
20830-81-3	Daunomycin
21087-64-9	Metribuzin
21351-79-1	Cesium hydroxide
21645-51-2	Aluminum hydroxide
21651-19-4	Tin oxide
22224-92-6	Fenamiphos
23214-92-8	Adriamycin
25013-15-4	Vinyl toluene (Methyl styrene, all isomers)
25321-14-6	Dinitrotoluene
25551-13-7	Trimethyl benzene
25551-28-4	Naphthalene diisocyanate (NDI)
25639-42-3	Methylcyclohexanol
26140-60-3	Terphenyls
26172-55-4	5-Chloro-2-methyl-2,3-dihydroisothiazol-3-one
26499-65-0	Plaster of Paris (Calcium sulfate)
26628-22-8	Sodium azide
26952-21-6	Isooctyl alcohol
27478-34-8	Dinitronaphthalenes (all isomers)
28434-86-8	3-3'-Dichloro-4,4'-diaminodiphenyl ether
29191-52-4	Aniline (o-, p-isomers)
34590-94-8	Dipropylene glycol methyl ether
35400-43-2	Sulfotep
36355-01-8	Polybrominated biphenyls (PBBs)
37300-23-5	Zinc chromate
39156-41-7	2,4-Diaminoanisole sulfate
39413-47-3	Zinc beryllium silicate
41683-62-9	1,2-Dichloromethoxyethane
53469-21-9	Chlorodiphenyl (42% chlorine)

55720-99-5	Chlorinated diphenyl oxide
55738-54-0	trans-2[(Dimethylamino)methylimino]-5-[2-(5-nitro-2-furyl)vinyl]-1,3,4-oxadiazol
59716-67-9	2-Amino-5-(5-nitro-2 furyl)-1,3,4-thiadiazole
60676-86-0	Silica–Amorphous, Silica fused
61788-32-7	Hydrogenated terphenyls
61790-53-2	Silica–Amorphous, Diatomaceous Earth (unstabilized)
63449-39-8	Chlorinated paraffins (C_{12}, 60% chlorine), (Chloroparaffins, 20%–70% chlorine)
65996-93-2	Coal tar pitch volatiles, as benzene solubles
65996-93-2	Particulate polycyclic aromatic hydrocarbons (PPAH; Coal tar pitch volatiles)
65997-15-1	Portland cement
68476-85-7	L.P.G. (Liquified petroleum gas)
69012-64-2	Silica–Amorphous, Silica fume
70657-70-4	2-Methoxypropyl-1-acetate
93763-70-3	Perlite
112926-00-8	Silica–Amorphous, Precipitated silica
112926-00-8	Silica–Amorphous, Silica gel

MAK PEAK EXPOSURE LIMITATION CATEGORIES

Category	Short-term Level: Peak	Short-term Level: Duration	Frequency per Shift
I Local irritants	2 × MAK	5 min momentary value*	8
II Substances with systemic effects: Onset of effect < 2h			
II.1 half-life** < 2h	2 × MAK	30 min average value*	4
II.2 half-life 2h–short weight	5 × MAK	30 min average value*	2
III Substances with systemic effects: Onset of effect > 2h; half-life > short weight (strongly cumulative)	10 × MAK	30 min average value*	1
IV Substances causing very weak effects: MAK > 500 ppm	2 × MAK	60 min momentary value*	3
V Substances having intensive odor	2 × MAK	10 min momentary value*	4

* The momentary value is a level which the concentration should never exceed. It represents a level to be observed in work area technical planning. The analytical testing can then be carried out by use of sampling procedures designed for recording average values.

** Half-life is the period of time in which an existing concentration has to half its original value.

MAK EMBRYO/FETUS RISK OF DAMAGE CLASSIFICATION

Group A: A risk of damage to the developing embryo or fetus has been unequivocally demonstrated. Exposure of pregnant women can lead to damage to the developing organism even when MAK and BAT (Biological Tolerance Value for Working Materials) values are adhered to.

Group B: According to currently available information a risk of damage to the developing embryo or fetus must be considered to be probable. Damage to the developing organism cannot be excluded when pregnant women are exposed even when MAK and BAT values are adhered to.

Group C: There is no reason to fear a risk of damage to the developing embryo or fetus when MAK and BAT values are adhered to.

Group D: Classification in one of the groups A–C is not yet possible because available information or data available may indicate a risk but they are not sufficient for final evaluation.

MAK GERM CELL MUTAGENS

1. Substances which have been demonstrated to be germ cell mutagens in humans.
2. Substances which have been demonstrated to be germ cell mutagens in experimental mammals.
3. Substances which have been demonstrated to cause genetic damage in mammals, including human germ cells without proof of transmission.

DEFINITIONS, ABBREVIATIONS, TERMS, AND CODES

Carcinogen Designations

[illegible]

ERRATA

1992 Guide to Occupational Exposure Values

Pg. 9 — Arsenic, elemental [7440-38-2], & inorganic compounds (except arsine), as As

ACGIH TLV should read:

mg/m^3

(0.2)
NIC–0.01, A1

Pg. 9 — Arsenic trioxide production

Delete listing; included in listing for Arsenic, elemental & inorganic compounds (except Arsine)

AFFIDAVIT

RE. National Safety News

On this day, Robert Marecek appeared before me, the undersigned notary public, and after I administered an oath to him, upon his oath, he said

"My name is Robert Marecek. I am capable of making this affidavit and the facts stated in this affidavit are within my personal knowledge and are true and correct.

I am over 21 years of age. I have never been convicted of a felony and am competent in all respects to give the testimony contained in this affidavit.

I am a custodian of records of the National Safety Council. Attached hereto are 988 pages of records. These said records are kept by the National Safety Council in the regular course of business, and it was in the regular course of business of the National Safety Council for an employee or representative of the National Safety Council, with knowledge of the act, event, condition, opinion, or diagnosis recorded to make the record or to transmit information thereof to be included in such record; and the record was made at or near the time or reasonably soon thereafter. The records attached hereto are the original or exact duplicates of the originals.

Robert J. Marecek
AFFIANT

SUBSCRIBED AND SWORN TO BEFORE ME this the 15 day of September 19 99

Susan E. Schick
Notary Public in and for
The State of Illinois

"OFFICIAL SEAL"
SUSAN E. SCHICK
Notary Public, State of Illinois
My Commission Expires 05/17/01

Susan E. Schick
Notary's Printed Name

My Commission expires 5/17/01