

2007 Review of Occupational Exposure Limits

Table 1: Non-Excluded Substances Subject to Automatic Adoption Based on the 2007 Revisions to the Threshold Limit Values (TLVs) by the ACGIH

Non-Excluded Substance [CAS No.]	New or Revised Occupational Exposure Limits (OELs) Effective 2007			Previous OELs, Notations
	TWA	STEL/Ceiling	Notations	
Alachlor, <i>Inhalable</i> [15972-60-8]	1.0 mg/m ³ (V)	-	S	None
Aldrin, <i>Inhalable</i> [309-00-2]	0.05 mg/m ³ (V)	-	Skin	0.25 mg/m ³ TWA, Skin
Arsine [7784-42-1]	0.005 ppm	-	-	0.05 ppm TWA
Diglycidyl ether [DGE] [2238-07-5]	0.01 ppm	-	R	0.1 ppm TWA, R
Dimethyl carbamoyl chloride [79-44-7]	0.005 ppm	-	Skin, A2, 2A	None – (L), A2, 2A
Dimethyl disulfide [624-92-0]	0.5 ppm	-	Skin	None
Dinitolmide [148-01-6]	<i>ACGIH withdrew listing in favour of its IUPAC name - 3,5-dinitro-o-toluamide (see entry below)</i>			5 mg/m ³ TWA
3,5-Dinitro-o-toluamide [148-01-6]	1 mg/m ³	-	-	None
Ethyl amyl ketone [541-85-5]	10 ppm	-	-	25 ppm TWA
Hexafluoropropylene [116-15-4]	0.1 ppm	-	-	None
Methyl demeton, <i>Inhalable</i> [8022-00-2]	0.05 mg/m ³ (V)	-	Skin	0.5 mg/m ³ TWA, Skin
1-Methyl naphthalene [90-12-0]	0.5 ppm	-	Skin	None
2-Methyl naphthalene [91-57-6]	0.5 ppm	-	Skin	None
5-Nitro-o-toluidine, <i>Inhalable</i> [99-55-8]	1 mg/m ³	-	-	None
n-Propanol [71-23-8]	100 ppm	-	-	200 ppm TWA; 400 ppm STEL
Tetraethyl pyrophosphate [TEPP], <i>Inhalable</i> [107-49-3]	0.01 mg/m ³ (V)	-	Skin	0.05 mg/m ³ TWA
Toluene [108-88-3]	20 ppm	-	-	50 ppm TWA, Skin
Trichloroethylene [79-01-6]	10 ppm	25 ppm	A2, 2A	50 ppm TWA; 100 ppm STEL, 2A

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Table 2: Policy Item R5.48-1 Excluded Substances – Revisions to the Occupational Exposure Limits under Consideration

Excluded Substance [CAS No.]	Revised 2007 ACGIH Threshold Limit Values (TLVs)			Current OELs, Notations
	Revisions Under Consideration			
	TWA	STEL/Ceiling	Notations	
Calcium carbonate [471-34-1] [1317-65-3]	<i>Documentation and adopted TLV withdrawn by the ACGIH due to insufficient data. NOTE: Withdrawn substances are generally reclassified by the ACGIH as "Particles (Insoluble or Poorly Soluble) Not Otherwise Specified – PNOS" and assigned a TWA of 10 mg/m³ for the inhalable fraction and 3 mg/m³ for the respirable fraction</i>			10 mg/m ³ TWA (N); 20 mg/m ³ STEL
Methyl propyl ketone (2-propanone) [107-87-9]	-	150 ppm	-	150 ppm TWA; 250 ppm STEL

Definitions / Notations

- (L) Exposure by all routes should be carefully controlled to levels as low as possible
- (N) The 8-hour TWA listed is for total dust. The substance also has an 8-hour TWA of 3 mg/m³ for the respirable fraction
- (V) Vapour and aerosol
- "R" Identifies a substance that has an adverse reproductive effect
- "Skin" Identifies a substance that contributes significantly to the overall exposure by the skin route (cutaneous absorption)
- "S" Sensitizer
- "A2" ACGIH suspected human carcinogen
- "2A" IARC (International Agency for Research on Cancer) probably carcinogenic to humans