2004-07-20-05

THE WORKERS' COMPENSATION BOARD OF BRITISH COLUMBIA

RESOLUTION OF THE BOARD OF DIRECTORS

RE: Occupational Exposure Limits

WHEREAS:

Pursuant to section 82 of the *Workers Compensation Act,* RSBC 1996, Chapter 492 and amendments thereto ("*Act*"), the Board of Directors must set and revise as necessary the policies of the Board of Directors, including policies respecting compensation, assessment, rehabilitation, and occupational health and safety;

AND WHEREAS:

Policy item R5.48-1 in the *Prevention Manual,* "*Chemical and Biological Substances – Exposure Limits and Designations*", provides exceptions to the American Conference of Governmental Industrial Hygienists' ("ACGIH") Threshold Limit Values ("TLVs") where it was determined that the TLVs are not appropriate for adoption in British Columbia;

AND WHEREAS:

A review of policy item R5.48-1 was conducted to ensure that all substances for which an exception was warranted were listed, and that there was no duplication of the information provided by the ACGIH;

AND WHEREAS:

Four categories of proposed amendments were identified for review;

AND WHEREAS:

The Policy and Research Division has consulted with stakeholders on these amendments;

THE BOARD OF DIRECTORS RESOLVES THAT:

1. Amendments to policy item R5.48-1 of the *Prevention Manual*, attached as Appendix A, are approved.

2. This resolution is effective August 1, 2004.

DATED at Richmond, British Columbia, July 20, 2004.

By the Workers' Compensation Board

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DOUGLAS J. ENNS, CHAIR
BOARD OF DIRECTOR

RE: Chemical and Biological Substances - Exposure Limits and Designations **ITEM: R5.48-1**

BACKGROUND

1. Explanatory Notes

Section 5.48 provides established limits for a worker's exposure to hazardous chemical substances. Generally, these exposure limits are established according to the Threshold Limit Values **("TLVs")** adopted by the American Conference of Governmental Industrial Hygienists **("ACGIH")**. However, the Board has authority to make exceptions and adopt occupational exposure limits for specific chemical substances that are not consistent with the ~~Threshold Limit Values~~ **TLVs** established by the ~~American Conference of Governmental Industrial Hygienists~~ **ACGIH**. **This policy sets out those exceptions.**

2. The Regulation

Section 5.48:

> Except as otherwise determined by the ~~board~~ **Board**, the employer must ensure that no worker is exposed to a substance that exceeds the ceiling limit, short-term exposure limit, or 8-hour TWA limit prescribed by ACGIH.

Section 5.57:

(1) If a substance identified in ACGIH or IARC by any of the following notations, abbreviations, or endnotes is present in the workplace, the employer must replace it, if practicable, with a material which reduces the risk to workers:

- (a) ACGIH A1 or A2, or IARC 1, 2A or 2B carcinogen,
- (b) reproductive critical effects,
- (c) sensitization critical effect or SEN notation, or
- (d) L endnote.

(2) If it is not practicable to substitute a material which reduces the risk to workers, in accordance with subsection (1), the employer must implement an exposure control plan to maintain workers' exposure as low as reasonably achievable below the exposure limit established under section 5.48.

3. Preamble to Policy

The following is a preamble to be applied to those exposure limits developed by the Board as an exception to the ~~Threshold Limit Values~~ **TLVs** established by the ~~American Conference of Governmental Industrial Hygienists~~ **ACGIH**:

An exposure level is a maximum allowed airborne concentration and is not intended to represent a fine line between safe and harmful conditions. In determining an exposure limit, it is not possible to take into account all factors that could influence the effect that exposure to the substance may have on an individual worker. Therefore, for all hazardous substances, regardless of any assigned exposure limit, the guiding principle is elimination of exposure or reduction to the lowest level that is reasonably achievable below the exposure limit.

Due to a wide variation in individual susceptibility, some workers may experience discomfort from some substances at concentrations at or below the exposure level. Others may be affected more seriously by aggravation of a pre-existing condition, or by development of an occupational disease. Furthermore, other workplace contaminants may affect an individual's response. The effects of combined chemical exposures are often unknown or poorly defined.

POLICY

1. Table of Occupational Exposure Limits for Excluded Substances

As presented in the table below, the Board has determined exposure limits for **the following** specific substances, notwithstanding the ~~Threshold Limit Values~~ **TLVs** established by the ~~American Conference of Governmental Industrial Hygienists~~ **ACGIH**.

Substance/Chemical Name	CAS No.	Unit	8-hour TWA Limit	Short-term exposure Limit, STEL	Ceiling Limit	~~Notation, Abbreviation, Endnote~~	~~Critical Health Effect~~
~~ABATE (TEMEPHOS), RESPIRABLE DUST~~	~~3383-96-8~~	~~mg/m^3~~	~~3~~				
ABATE (TEMEPHOS) TOTAL DUST	3383-96-8	mg/m^3	10	20			
~~ACETAMIDE~~	~~60-35-5~~					~~2B~~	
ACETONE	67-64-1	ppm	250	500			
ACETONE CYANOHYDRIN	75-86-5	ppm			1	~~Skin~~	
ALLYL AMINE	107-11-9	ppm	2				

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Substance/Chemical Name	CAS No.	Unit	8-hour TWA Limit	Short-term exposure Limit, STEL	Ceiling Limit	~~Notation, Abbreviation, Endnote~~	~~Critical Health Effect~~
~~ALUMINUM HYDROXIDE, RESPIRABLE DUST~~	~~21645-51-2~~	~~mg/m^3~~	~~3~~				
~~ALUMINUM OXIDE, RESPIRABLE DUST, as Al_2O_3~~	~~1344-28-1~~	~~mg/m^3~~	~~3~~				
~~ALUMINUM, RESPIRABLE DUST, as Al~~	~~7429-90-5~~	~~mg/m^3~~	~~3~~				
~~AMMONIUM SULFAMATE, RESPIRABLE DUST~~	~~7773-06-0~~	~~mg/m^3~~	~~3~~				
~~BARIUM SULFATE, RESPIRABLE DUST~~	~~7727-43-7~~	~~mg/m^3~~	~~3~~				
~~BENOMYL, RESPIRABLE DUST~~	~~17804-35-2~~	~~mg/m^3~~	~~3~~				~~Reproductive~~
~~BENZIDINE-BASED DYES~~						~~2A~~	
BENZYL CHLORIDE	100-44-7	ppm			1		
~~BISMUTH TELLURIDE, RESPIRABLE DUST, as Bi_2Te_3~~	~~1304-82-1~~	~~mg/m^3~~	~~3~~				
BROMOCHLOROMETHANE	74-97-5	ppm	200	250			
n-BUTANE	106-97-8	ppm	600	750			
n-BUTYL ALCOHOL (n-BUTANOL)	71-36-3	ppm	15		30		
n-BUTYL ACETATE	123-86-4	ppm	20				
n-BUTYL METHACRYLATE	97-88-1	ppm	50				
CALCIUM CARBONATE (incl. LIMESTONE, MARBLE), TOTAL DUST	1317-65-3	mg/m^3	10	20			
~~CALCIUM CARBONATE (incl. LIMESTONE, MARBLE), RESPIRABLE DUST~~	~~1317-65-3~~	~~mg/m^3~~	~~3~~				
~~CALCIUM SILICATE, RESPIRABLE DUST~~	~~1344-95-2~~	~~mg/m^3~~	~~3~~				
~~CALCIUM SULFATE, RESPIRABLE DUST~~	~~7778-18-9~~	~~mg/m^3~~	~~3~~				
CAPROLACTAM DUST	**105-60-2**	**mg/m^3**	**1**	**3**			
CARBON DIOXIDE	124-38-9	ppm	5000	15,000			
CARBON DISULFIDE	75-15-0	ppm	4	12		~~Skin~~	
CARBON MONOXIDE	630-08-0	ppm	25	100			
CARBON TETRACHLORIDE	56-23-5	ppm	2			~~Skin, A2, 2B~~	
~~CELLULOSE, RESPIRABLE DUST~~	~~9004-34-6~~	~~mg/m^3~~	~~3~~				
CHLOROACETIC ACID	79-11-8	ppm	0.3				
~~p-CHLOROANILINE~~	~~106-47-8~~					~~2B~~	
CHLOROBROMOMETHANE **(see BROMOCHLOROMETHANE)**	~~74-97-5~~	~~ppm~~	~~200~~	~~250~~			
1-CHLORO-1,1-DIFLUOROETHANE	75-68-3	ppm	1000				
CHLORODIFLUOROMETHANE	75-45-6	ppm	500	1250			
CHLOROFORM	67-66-3	ppm	2			~~2B~~	~~Reproductive~~
~~4-CHLORO-o-TOLUIDINE~~	~~95-69-2~~					~~2A~~	

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Substance/Chemical Name	CAS No.	Unit	8-hour TWA Limit	Short-term exposure Limit, STEL	Ceiling Limit	~~Notation, Abbreviation, Endnote~~	~~Critical Health Effect~~
~~2-CHLORO-6-(TRICHLOROMETHYL)-PYRIDINE, RESPIRABLE DUST (NITRAPYRIN)~~	~~1929-82-4~~	~~mg/m³~~	~~3~~				
CHLOROTRIFLUOROMETHANE	75-72-9	ppm	1000				
~~CLOPIDOL, RESPIRABLE DUST~~	~~2971-90-6~~	~~mg/m³~~	~~3~~				
CHROMIUM, WATER SOLUBLE, Cr VI COMPOUNDS	7440-47-3	mg/m³	0.025		0.1	~~A1, 1~~	
CRESOL, ALL ISOMERS	1319-77-3, **95-48-7, 108-39-4, 106-44-5**	mg/m³	10			~~Skin~~	
CUMENE	98-82-8	ppm	25	75			
~~2,4-DIAMINOANISOLE~~	~~615-05-4~~					~~2B~~	
~~2,4-DIAMINOTOLUENE~~	~~95-80-7~~					~~2B~~	
~~1,2-DIBROMO-3-CHLOROPROPANE~~	~~96-12-8~~					~~2B~~	
~~2,6-Di-tert-BUTYL-p-CRESOL~~	~~128-37-0~~	~~mg/m³~~	~~10~~	~~20~~			
DICHLOROMETHANE	75-09-2	ppm	25			~~2B~~	
~~2,2'-DICHLORODIETHYL SULFIDE (MUSTARD GAS)~~	~~505-60-2~~					~~1~~	
~~2,2'-DICHLORO-n-METHYLDIETHYLAMINE (NITROGEN MUSTARD)~~	~~51-75-2~~					~~2A~~	
~~DICYCLOPENTADIENYL IRON (FERROCENE), RESPIRABLE DUST~~	~~102-54-5~~	~~mg/m³~~	~~3~~				
DICYCLOHEXYLMETHANE-4,4'-DIISOCYANATE	5124-30-1	ppm	0.005		0.01		
2,4-DICHLOROPHENOXYACETIC ACID AND ITS ESTERS	94-75-7	mg/m³	10	20			
~~DIETHYL SULFATE~~	~~64-67-5~~					~~2A~~	
DIISOCYANATES, N.O.S.		ppm	0.005		0.01		
~~3,3'-DIMETHOXYBENZIDINE~~	~~119-90-4~~					~~2B~~	
DIMETHOXYMETHANE	109-87-5	ppm	1000	1250			
~~3,3'-DIMETHYLBENZIDINE~~	~~119-93-7~~					~~2B~~	
DIMETHYL ETHER	115-10-6	ppm	1000				
~~1,2-DIMETHYLHYDRAZINE~~	~~540-73-8~~					~~2A~~	
DIMETHYL SULFATE	77-78-1	ppm			0.1	~~Skin, 2A~~	
n-DIOCTYL PHTHALATE	117-84-0	mg/m³	5				
~~DIPHENYL ETHER, MIXED WITH DIPHENYL~~	~~101-84-8~~	~~ppm~~	~~1~~	~~2~~			
~~DIPROPYLENE GLYCOL METHYL ETHER~~	~~34590-94-8~~	~~ppm~~	~~100~~	~~150~~			
~~DYFONATE~~	~~944-22-9~~	~~mg/m³~~	~~0.1~~				

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Substance/Chemical Name	CAS No.	Unit	8-hour TWA Limit	Short-term exposure Limit, STEL	Ceiling Limit	~~Notation, Abbreviation, Endnote~~	~~Critical Health Effect~~
~~EMERY, RESPIRABLE DUST~~	~~12415-34-8~~	~~mg/m^3~~	~~3~~				
ENFLURANE	13838-16-9	ppm	2				
EPICHLOROHYDRIN	106-89-8	ppm	0.1			~~Skin, 2A~~	
ETHYL ACETATE	141-78-6	ppm	150				
ETHYL METHACRYLATE	97-63-2	ppm	50				
ETHYLENE DIBROMIDE	106-93-4	ppm	0.5			~~Skin, 2A~~	
ETHYLENE DICHLORIDE (1,2-DICHLOROETHANE)	107-06-2	ppm	1	2		~~2B~~	
ETHYLENE GLYCOL, PARTICULATE	107-21-1	mg/m^3	10	20			
ETHYLENE GLYCOL, VAPOUR	107-21-1	ppm			50		
ETHYLENE OXIDE	75-21-8	ppm	0.1	1		~~A2, 1~~	~~Reproductive~~
FLUORINE	7782-41-4	ppm	0.1				
FLUOROXENE	406-90-6	ppm	2				
FORMALDEHYDE	50-00-0	ppm	0.3		1	~~SEN, A2, 2A~~	
FURFURYL ALCOHOL	98-00-0	ppm	5	10		~~Skin~~	
GLYCERIN MIST, RESPIRABLE	56-81-5	mg/m^3	3				
GYPSUM, TOTAL DUST	13397-24-5	mg/m^3	10	20			
~~GYPSUM, RESPIRABLE DUST~~	~~13397-24-5~~	~~mg/m^3~~	~~3~~				
HALOTHANE	151-67-7	ppm	2				~~Reproductive~~
~~HEXAMETHYL PHOSPHORAMIDE~~	~~680-31-9~~					~~Skin, 2B~~	
HEXAMETHYLENE DIISOCYANATE	**822-06-0**	**ppm**	**0.005**		**0.01**		
n-HEXANE	110-54-3	ppm	20			~~Skin~~	
HEXANE, ALL ISOMERS except n-HEXANE		ppm	200				
HYDROGEN FLUORIDE, as F	7664-39-3	ppm			2		
HYDROGEN SULFIDE	**7783-06-4**	**ppm**			**10**		
HYDROQUINONE	123-31-9	mg/m^3			2		
IRON OXIDE, FUME	**1309-37-1**	**mg/m^3**	**5**	**10**			
IRON PENTACARBONYL	13463-40-6	ppm	0.01				
IRON SALTS, SOLUBLE, as Fe		**mg/m^3**	**1**	**2**			
ISOPHORONE DIISOCYANATE	**4098-71-9**	**ppm**	**0.005**		**0.01**		
ISOPROPYL GLYCIDYL ETHER (IGE)	4016-14-2	ppm			50		
LIQUIFIED PETROLEUM GAS	68476-85-7	ppm	1000	1250			
LITHIUM HYDROXIDE	1310-65-2	mg/m^3			1		
~~MAGNESITE (MAGNESIUM CARBONATE), RESPIRABLE DUST~~	~~546-93-0~~	~~mg/m^3~~	~~3~~				
MAGNESIUM OXIDE, RESPIRABLE DUST AND FUME, as Mg	1309-48-4	mg/m^3	3	10			

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Substance/Chemical Name	CAS No.	Unit	8-hour TWA Limit	Short-term exposure Limit, STEL	Ceiling Limit	~~Notation, Abbreviation, Endnote~~	~~Critical Health Effect~~
MERCURY, ARYL COMPOUNDS	7439-97-6	mg/m^3	0.05		0.1	~~Skin~~	
MESITYL OXIDE	141-79-7	ppm	10	25			
METHOXYFLURANE	76-38-0	ppm	2				
1-METHOXY-2-PROPANOL	107-98-2	ppm	50	75			
2-METHOXY-1-PROPANOL	1589-47-5	ppm	20	40			
1-METHOXYPROPYL-2-ACETATE	108-65-6	ppm	50	75			
2-METHOXYPROPYL-1-ACETATE	70657-70-4	ppm	20	40			
METHYLENE BISPHENYL ISOCYANATE	**101-68-8**	**ppm**	**0.005**		**0.01**		
METHYLENE bis (4-CYCLOHEXYL-ISOCYANATE)	**5124-30-1**	**ppm**	**0.005**		**0.01**		
4,4'-METHYLENEDIANILINE	101-77-9	ppm	0.01			~~Skin, 2B~~	
METHYL ETHYL KETONE (MEK)	78-93-3	ppm	50	100			
METHYL PROPYL KETONE (2-PENTANONE)	107-87-9	ppm	150	250			
alpha-METHYL STYRENE	98-83-9	ppm	50	75	100		
1,5-NAPHTHYLENE DIISOCYANATE	3173-72-6	ppm	0.005		0.01		
NICKEL, **ELEMENTAL**, SOLUBLE INORGANIC COMPOUNDS (NOS)	7440-02-0	mg/m^3	0.05			~~A1, 1~~	
NICKEL, INSOLUBLE INORGANIC COMPOUNDS (NOS)	7440-02-0	mg/m^3	0.05				
NICKEL CARBONYL	13463-39-3	ppm	0.001				
NITROGEN DIOXIDE	10102-44-0	ppm			1		
2-NITROPROPANE	79-46-9	ppm	5			~~2B~~	
~~NITROPYRENE, MONO-, DI-, TRI, TETRA, ISOMERS~~	~~5522-43-0 57835-92-4~~					~~2B~~	
~~n-NITROSODIETHANOLAMINE~~	~~1116-54-7~~					~~2B~~	
~~n-NITROSODIETHYLAMINE~~	~~55-18-5~~					~~2A~~	
~~n-NITROSOMETHYLETHYLAMINE~~	~~10595-95-6~~					~~2B~~	
~~n-NITROSOMORPHOLINE~~	~~59-89-2~~					~~2B~~	
~~n-NITROSOPIPERIDINE~~	~~100-75-4~~					~~2B~~	
~~n-NITROSOPYRROLIDINE~~	~~930-55-2~~					~~2B~~	
NITROUS OXIDE	10024-97-2	ppm	25				~~Reproductive~~
OIL MIST, MINERAL, MILDLY REFINED		mg/m^3	0.2			~~1~~	
OIL MIST, MINERAL, SEVERELY REFINED		mg/m^3	1				
~~PENTAERYTHRITOL, RESPIRABLE DUST~~	~~115-77-5~~	~~mg/m^3~~	~~3~~				
~~PERLITE, RESPIRABLE DUST~~	~~93763-70-3~~	~~mg/m^3~~	~~3~~				
PHENYL ISOCYANATE	103-71-9	ppm	0.005		0.01		
PHENYL MERCAPTAN	108-98-5	ppm			0.1		

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Substance/Chemical Name	CAS No.	Unit	8-hour TWA Limit	Short-term exposure Limit, STEL	Ceiling Limit	~~Notation, Abbreviation, Endnote~~	~~Critical Health Effect~~
~~PICLORAM, RESPIRABLE DUST~~	~~1918-02-1~~	~~mg/m³~~	~~3~~				
PIPERAZINE AND ITS SALTS, as PIPERAZINE	142-64-3	mg/m³	0.3	1			
PIPERIDINE	110-89-4	ppm	1				
~~PLASTER OF PARIS, RESPIRABLE DUST~~	~~26499-65-0~~	~~mg/m³~~	~~3~~				
PLASTER OF PARIS, TOTAL DUST	26499-65-0	mg/m³	10	20			
POLYVINYL CHLORIDE, TOTAL DUST	9002-86-2	mg/m³	5				
~~PORTLAND CEMENT, RESPIRABLE DUST~~	~~65997-15-1~~	~~mg/m³~~	~~3~~				
RHODIUM, METAL AND INSOLUBLE COMPOUNDS, as Rh	7440-16-6	mg/m³	0.1	0.3			
RHODIUM, SOLUBLE COMPOUNDS, as Rh	7440-16-6	mg/m³	0.001	0.003			
~~ROUGE, RESPIRABLE DUST~~		~~mg/m³~~	~~3~~				
SELENIUM AND COMPOUNDS, as Se	7782-49-2	mg/m³	0.1				
~~SESONE, RESPIRABLE DUST~~	~~136-78-7~~	~~mg/m³~~	~~3~~				
SILICA, AMORPHOUS:							
DIATOMACEOUS EARTH, UNCALCINED, TOTAL DUST	61790-53-2	mg/m³	4				
DIATOMACEOUS EARTH, UNCALCINED, RESPIRABLE DUST	61790-53-2	mg/m³	1.5				
PRECIPITATED SILICA and SILICA GEL, TOTAL DUST	112926-00-8	mg/m³	4				
PRECIPITATED SILICA and SILICA GEL, RESPIRABLE DUST	112926-00-8	mg/m³	1.5				
SILICA FUME, TOTAL DUST	69012-64-2	mg/m³	4				
SILICA FUME, RESPIRABLE DUST	69012-64-2	mg/m³	1.5				
~~SILICON, RESPIRABLE DUST~~	~~7440-21-3~~	~~mg/m³~~	~~3~~				
SILICON TETRAHYDRIDE (SILANE)	7803-62-5	ppm	0.5	1			
SILVER AND COMPOUNDS, as Ag	7440-22-4	mg/m³	0.01	0.03			
~~STARCH, RESPIRABLE DUST~~	~~9005-25-8~~	~~mg/m³~~	~~3~~				
STODDARD SOLVENT (MINERAL SPIRITS)	8052-41-3	mg/m³	290	580			
STYRENE	100-42-5	ppm	50	75		~~2B~~	
~~SUCROSE, RESPIRABLE DUST~~	~~57-50-1~~	~~mg/m³~~	~~3~~				
~~TEREPHTHALIC ACID, RESPIRABLE DUST~~	~~100-21-0~~	~~mg/m³~~	~~3~~				
1,1,2,2-TETRACHLORO-1,2-DIFLUOROETHANE	76-12-0	ppm	200				

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Substance/Chemical Name	CAS No.	Unit	8-hour TWA Limit	Short-term exposure Limit, STEL	Ceiling Limit	~~Notation, Abbreviation, Endnote~~	~~Critical Health Effect~~
TETRAETHYL LEAD, as Pb	78-00-2	mg/m^3	0.075			~~Skin~~	
TETRAMETHYL LEAD, as Pb	75-74-1	mg/m^3	0.075			~~Skin~~	
~~4,4'-THIObis(6-tert-BUTYL-m-CRESOL), RESPIRABLE DUST~~	~~96-69-5~~	~~mg/m^3~~	~~3~~				
~~TITANIUM DIOXIDE, RESPIRABLE DUST~~	~~13463-67-7~~	~~mg/m^3~~	~~3~~				
2,4-TOLUENE DIISOCYANATE (TDI)	584-84-9	ppm	0.005		0.01	~~2B~~	~~Sensitization~~
2,6-TOLUENE DIISOCYANATE	**91-08-7**	**ppm**	**0.005**		**0.01**		
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	ppm	500	1250			
TRIMETHYL HEXAMETHYLENE DIISOCYANATE	**28679-16-5**	ppm	0.005		0.01		
TRI-n-BUTYLTIN COMPOUNDS	**688-73-3**	mg/m^3	0.05				
URANIUM COMPOUNDS, NATURAL, SOLUBLE, as U	7440-61-1	mg/m^3	0.05			~~A1~~	
VANADIUM PENTOXIDE, RESPIRABLE DUST and FUME, as V_2O_5	1314-62-1	mg/m^3			0.05		
VANADIUM PENTOXIDE, TOTAL DUST, as V_2O_5	1314-62-1	mg/m^3	0.2				
VEGETABLE OIL MIST, RESPIRABLE FRACTION, EXCEPT CASTOR, CASHEW NUT, OR SIMILAR IRRITATING OILS	8008-89-7	mg/m^3	3				
VINYLIDENE CHLORIDE	75-35-4	ppm	1				
VINYL TOLUENE, ALL ISOMERS	25013-15-4	ppm	25	75			
WOOD DUST:							
ALLERGENIC		mg/m^3	1			~~1~~	
NON-ALLERGENIC, HARDWOOD		mg/m^3	1			~~A1, 1~~	
NON-ALLERGENIC, SOFTWOOD		mg/m^3	2.5			~~1~~	
ZINC STEARATE, TOTAL DUST	557-05-1	mg/m^3	10	20			
~~ZINC STEARATE, RESPIRABLE DUST~~	~~557-05-1~~	~~mg/m^3~~	~~3~~				

2. Dusts

The Board categorizes particulates that are insoluble or poorly soluble in water and do not cause toxic effects other than by inflammation or the mechanism of "lung overload", as "nuisance dusts".

A "nuisance dust" will have an exposure limit or TLV of 10 mg/m^3 for total particulate. It is recognized that the respirable fraction of "nuisance dusts" may also be measured. The equivalent exposure limit for respirable particulate is 3 mg/m^3. Respirable particulate refers to the fraction of inhaled dust that is capable of passing through the upper respiratory tract to the gas exchange region of the lung. Total particulate refers to a wide range of particle sizes capable of being deposited in the various regions of the respiratory tract.

PRACTICE

For any relevant PRACTICE information **regarding exposure limits or appropriate sampling methods for dusts**, readers should consult the ~~Prevention Division's~~ Guidelines available on the WCB website.

EFFECTIVE DATE:	~~October 29, 2003~~**August 1, 2004**
AUTHORITY:	s. 5.48, Occ*upational Health and Safety Regulation*
CROSS REFERENCES:	
HISTORY:	**This** item **was originally** developed to implement the amendments made to the *Occupational Health and Safety Regulation*, effective October 29, 2003 pertaining to occupational exposure limits. **A review of the policy was conducted to ensure that all substance s for which an exception was warranted were listed, and there was no duplication with the information provided by the ACGIH.**
APPLICATION:	**The amended policy comes into effect on August 1, 2004 and applies to all regulatory violations discovered on or after that date. Regulatory violations discovered before August 1, 2004 will continue to be dealt with under the previous policy.**