UC 149-2

PLAINTIFF'S EXHIBIT UC-1004

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Date September 9, 1983

Originating Dept.

Answering letter date

Subject Update-Exposure Standards/ Guidelines

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~~LMEA~~ / ~~CHC~~ / DRB / WPM

File MA326 Latex Toxicology

Here are updated lists of Latex chemicals which have (1) personnel exposure standards established by UCC, UCC Divisions, or OSHA and (2) personnel exposure guidelines recommended by the American Conference of Governmental Industrial Hygienists. We will continue to distinguish between the two lists as follows:

1. Exposure Standards are not to be exceeded.

ACGIH 2. Exposure Guidelines provide program guidance.

The lists have been expanded to include materials which may be of importance at only 1 plant, laboratory chemicals, refrigerants and which may have implications for your Fertile Female protection programs. Several information sources were used in developing the updated lists.

Please let me know if you have questions.

Very truly yours,

Val D Dutcher
V. D. Dutcher

VDD:jl
Attachments
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LATEX CHEMICALS WITH EXPOSURE STANDARDS

Chemical	8 Hour Exposure Standard	Source
Acetic Acid	10 ppm	OSHA
Acrylamide	0.3 mg/M^3 Skin	OSHA
Acrylic Acid	2 ppm	UCC
Acrylonitrile	2 ppm (Teratogen/Carcinogen)	OSHA
	10 ppm Ceiling (15 Minute)	OSHA
Ammonia	50 ppm	OSHA
Asbestos	2 Fibers/cc (Carcinogen)	OSHA
	10 Fibers/cc Ceiling	
	> 5 uM Long	
Butyl Acrylate	5 ppm	UCC
Butyl CELLOSOLVE	50 ppm (Skin)	OSHA
Butyl Mercaptan	10 ppm	OSHA
Carbon Tetrachloride	2 ppm (Embryotoxic)	UCC
	4 ppm Ceiling	
	(Suspect Cancer Agent)	
Chloroform	10 ppm (Teratogen)	UCC
	25 ppm Ceiling (15 minute)	
	(Suspect Cancer Agent)	
Dibutyl Phthalate	5 mg/M^3	OSHA
t Dodecyl Mercaptan	0.5 ppm	UCC
Ethyl Acrylate	5 ppm Skin	UCC
2 Ethylhexyl Acrylate	5 ppm	UCC
Fluorocarbon 22	1000 ppm (Teratogen)	UCC
Formaldehyde	2 ppm (Suspect Cancer Agent)	UCC
Hydrogen Chloride	5 ppm Ceiling	OSHA
Hydrogen Peroxide 90 pct	1 ppm	OSHA
Itaconic Acid	5 mg/M^3	UCC

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LATEX CHEMICALS WITH EXPOSURE STANDARDS

(Cont)

Mercury-All Compounds Except Alkyl	0.05 mg/M^3	UCC
Methyl Methacrylate	100 ppm	OSHA
Monoethanolamine	3 ppm	OSHA
Neopentyl Glycol Diacrylate	No Skin or Oral Contact (Suspect Cancer Agent)	UCC
Propylene Imine	2 ppm Skin	OSHA
Sodium Hydroxide	2 mg/M^3	OSHA
Styrene	100 ppm	OSHA
	200 ppm Ceiling	OSHA
	600 ppm 5 Minutes Peak Any 3 Hours	OSHA
Sulfuric Acid	1 mg/M^3	OSHA
Vinyl Acetate	10 ppm	UCC
Vinyl Chloride	1 ppm (Teratogen/Carcinogen)	OSHA
	5 ppm Ceiling (15 Minutes)	OSHA

NOTE: Although UCC has not been requested to evaluate the need for an internal exposure standard for propyleneimine, it should be handled as a suspect cancer agent and discussed with female employees as a chemical of concern. Ethyleneimine, a similar chemical, is embryotoxic.

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LATEX CHEMICALS WITH ACGIH EXPOSURE GUIDELINES

		TLV	Ceiling	
Acetic Acid		10	15	
Acrylamide	mg/m³	0.3*	0.6*	Skin
Acrylic Acid		10		
Acrylonitrile		2		Skin
Ammonia		25	35	
Asbestos		Complex Guideline, Refer to ACGIH Book		
Butyl Acrylate		10		
Butyl CELLOSOLVE		25	75	Skin
n Butyl Mercaptan		0.5		
Carbon Tetrachloride		5	30	
Chloroform		10	50	
Dibutyl Phthalate	mg/m³	5*	10*	
Ethyl Acrylate		5	25	Skin
Ethylene Glycol				
Fluorocarbon 12		1000	1250	
Fluorocarbon 22		1000	1250	
Formaldehyde		1	2	
Hydrogen Chloride		5		
Hydrogen Peroxide		1	2	
Mercury-Aryl Compounds		0.1*		
Methacrylic Acid		20		
Methyl Methacrylate		100	125	
Monoethanolamine		3	6	
Propylene Imine		2		Skin
Sodium Bisulfite	mg/m³	5*		
Sodium Hydroxide	mg/m³		2*	
Styrene		50	100	

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LATEX CHEMICALS WITH ACGIH EXPOSURE GUIDELINES

(Cont)

Sulfuric Acid mg/m^3	1*	
Tetrasodium Pyrophosphate mg/m^3	5*	
Vinyl Acetate	10	20
Vinyl Chloride	5	10

*Units are mg/M^3. For other entries, units are ppm.

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Dr. Miller - Hallway File Cabinets

File: Product Safety
11/81 - 12/83

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