



INTERNAL CORRESPONDENCE

cc: R/D Technology Managers

PLAINTIFF'S EXHIBIT

UC3718

CHEMICALS AND PLASTICS

170 PARK AVENUE, NEW YORK, N.Y. 10017

To (Name) Operations Managers ✓
Division Market Area Managers
Location Plant Managers ✓
Floor Number R&D Directors
Copy to Engineering Directors
Distribution Directors ✓

Date January 22, 1979
Originating Dept. SHARE
File Number 21
Anticipated return date
Subject Updated C&P List of
Potential Carcinogens

RECEIVED

JAN 20 1979

W. C. KURLA

CC: Attached Distribution
List

Attached is the up-to-date list of substances of interest to C&P which we have determined should be regarded as potential carcinogens and therefore handled accordingly. This replaces the previous list issued with the letter dated July 18, 1978. Two have been added to the previous list. These are:

- Di-sec-butoxyacetophenone
- Methylene Dianiline

Permissible exposure limits and other information regarding these substances are contained in a separate detail document which will be sent to all Industrial Hygiene and Medical Departments, Environmental Protection and Occupational Health Coordinators, Technology Managers, and other appropriate managers for all locations and functions. Others with a need to know may obtain a copy by contacting Dr. W. C. Kurla, Technology Manager-Occupational Health at the South Charleston Technical Center.

E. Q. Hull, M.D.
Medical Director
Chemicals and Plastics

R. Van Mynen
SHARE
Operations Manager
Chemicals and Plastics

EQH/RVM/mcc
Attachment

RECEIVED

0842

FEB 01 1979

P. D. SH

UCC 011898

C&P OCCUPATIONAL HEALTH TEAM
LISTING OF POTENTIAL CARCINOGENS

January 1, 1979

2-Acetylaminofluorene	Dimethyl sulfate	4-Nitrodiphenyl
Acrylonitrile (a) (b)	Ethylene Thiourea	2-Nitropropane
4-Aminodiphenyl	4-Dimethylaminoazobenzene	Nitrosoamines (b)
Asbestos (a) (b)	1,4-Dioxane (a)	N-Nitrosodimethyl-amine (b)
Benzene (a) (b)	Epichlorohydrin (a)	Perchloroethylene (a) (Tetrachloroethylene)
Benzidine	Epoxy Resin ERL 2774 (a) (Diglycidyl Ether of Bisphenol A)	Polychlorinated Biphenyls (b)
Benzidine-Derived Dyes		
Bis-2-chloroethyl ether (Dichloroethyl Ether: CHLOREX) (a)	Epoxy Resin ERL 4205 (a) (Bis (2,3-Epoxypropyl) Ether)	Polycyclic Aromatic Hydrocarbons (a) (b) (Fuel Oil Residues; Quench Oil, pitches; tars, Dripenes A, B, and C. Resin B Condensates)
Bis-2-chloroethyl-2- naphthylamine	Epoxy Resin ERL 4206 (Vinylcyclohexene dioxide) (a)	
Bis-chloromethyl ether	Epoxy Resin ERL 4234 3-(3',4'-Epoxypropyl) 8,9-epoxy-2,4-dioxaspiro (5,5-undecane) (a)	8-Propiolactone
Carbon tetrachloride (a)		Toluene-2,4-diamine (a)
Chloroform (a)	Ethylene dibromide	Trichloroethylene (a)
Chloroprene	Ethylene dichloride (a) ✓	Vinyl Chloride (a)
Chromates of Lead & Zinc	Ethyleneimine (Aziridine) (b)	
Chromium-6 Carcinogenic Compounds (including bis-Triphenyl Silyl Chromate) (a)	Methylene Dianiline	
Di-sec-butoxyaceto- phenone (a)	Methyl chloromethyl ether	
3,3'-Dichlorobenzidine (and salts)	α-Naphthylamine (b)	
	β-Naphthylamine	
Diisopropyl ether	Neopentyl glycol diacrylate (a)	
Diisopropyl sulfate (b)	Methyl chloromethyl ether	

(a) C&P Product, Raw Material, or Process Intermediates

(b) Possible Contaminant in C&P products or operations

W. C. Kuryla:gc

January 3, 1979

UCC 011899

C/P OCCUPATIONAL HEALTH TEAM
LISTING OF POTENTIAL CARCINOGENS

Page 1 of 7

SUBSTANCE	CATEGORIES*	EXPOSURE LIMITS			C/P STANDARD OR GUIDELINE
		ACGIH TLV	NIOSH PROPOSAL OR OSHA STANDARD**		
2-Acetylamino fluorene	CX	---	NE (c)	NE; cf Regulation 29 CFR 1910.1014	
Acrylonitrile***	A	NE	2 ppm (c)	2 ppm cf Regulation 29 CFR 1910.1045	
4-Aminodiphenyl	AX	NE	NE (c)	NE; cf Regulation 29 CFR 1910.1011	
Asbestos***	AX	5 fibers/cc > 5 µm long	2 fibers/cc > 5 µm long (c)	2 fibers/cc > 5 µm long cf Regulation 29 CFR 1910.1001	
Benzene***	B	10 ppm	10 ppm	1 ppm; NSOCC (Hull/Montagna, 10/23/78) cf Regulation 29 CFR 1910.1028	
Benzidine	AX	NE	NE (c)	NE; cf Regulation 29 CFR 1910.1010	
Benzidine-Derived Dyes	C	---	---	NE (Hull, 4/12/78)	
Bis-2-chloroethyl ether (Dichloroethyl Ether: CHLOREX)***	C	5 ppm	---	0.1 ppm (Hull, 3/75)	

* A = Known Human Carcinogen B = Suspected Human Carcinogen C = Experimental (Animal) Carcinogen AX = Known Human Carcinogen - Regulated by Government BX = Suspected Human Carcinogen - Regulated by Government CX = Experimental (Animal) Carcinogen - Regulated by Government		*** C and P Product, Raw Material or Process Intermediate	** a = NIOSH Criteria Document b = NIOSH Alert c = OSHA Permanent Standard d = OSHA Emergency Temporary Standard *** Possible contaminant in C and P products or processes NSOCC = No skin or oral contact NE = No exposure or contact by any route
--	--	--	--

WCK/1-3-79

Additional Distribution

C. R. Allenbach	Niag. Falls (Metals)
R. C. Andrews	322 (H&A)
L. M. Baker	19
B. Ballantyne	511
F. D. Bess	511
N. E. Bolton	4
J. B. Browning	22
T. J. Burke	781 (BP)
T. W. Carmody	22
C. P. Carpenter	Mellon
R. J. Conkling	323 (Linde)
L. A. Crisorio	21
J. M. Cwikla	358 (Film)
C. U. Dernehl	4
A. A. D'Onofrio	29
J. M. Fallon	511
J. A. Fitzgerald	Jacksonvl. (APD)
R. L. Foster	511
N. W. Gaines	511
W. F. Gorham	312 (98)
D. E. Gould	312 (Smvl.)
R. E. Graebert	511
R. A. Hardison	Parma (CPD)
H. L. Haynes	22
D. L. Haywood	21
E. R. Homan	Mellon
J. C. Hovious	511
R. A. Howard	44 (Elec.)
E. Q. Hull	411
R. F. Jensen	323 (Linde)
J. B. Johnson	511
R. G. Jordan	Oak Ridge (Nuc.)
R. T. Kramer	511
W. C. Kuryla	511
T. A. Lincoln	22
M. G. Manetti	45
J. D. Martin	510
O. P. Mukheja	440 (Toronto)
R. E. Peele	511
B. G. Perry	21
E. A. Persall	250 (Metals)
T. P. Raby	312 (51)
R. R. Rankin	515
J. A. Ring	19
C. D. Schmidt	29
T. N. Tackett	10
A. G. Voress	21
G. W. Wainwright	1200 (Geneva)
G. A. Webb	Mellon
C. S. Weil	Mellon
W. E. Whitehurst	511
J. W. Whitteleysey	46
R. C. Wise	21
V. A. Yarborough	44 (Devel.)
R. L. Yelton	29

Chemicals & Plastics
R&D Department

W. C. Kuryla
February 1, 1979

TECHNOLOGY MANAGERS:

J. I. Apse, 312
J. R. Barber, 525
D. C. Best, 511
R. A. Bleidt, 511
G. L. Brode, 312
E. S. Brown, 511
G. L. Brown, 511
J. C. Chaty, 511
F. E. Critchfield, 511
J. M. Davison, 511
T. L. Dawson, 511
J. R. Estabrook, 312
R. L. Boysen, 312
J. A. Fisher, 511
P. E. Fritze, 312
J. R. Gagnon, 511
W. F. Gorham, 312
E. B. Harris, 525
R. H. Handwerk, 312
D. E. James, 312
E. L. Jarrett, 511
G. C. Johnson, 525
T. R. Jones, 312
G. R. Kamm, 511
W. C. Kuryla, 511
G. T. Kwiatkowski, 312
S. M. Livengood, 525
J. W. Lynn, 312
R. A. Gregory, 312
D. C. Macauley, 511
F. P. Macfarlane, 511
W. P. Miller, 511
B. Prokai, 525
N. H. Reinking, 312
D. A. McKenzie, 525
R. F. Nelson, 511
P. D. ~~Simroth~~, 511
D. W. Simroth, 511
P. L. Smith, 511
S. P. Sawin, 511
R. B. Metzler, 525
C. E. White, 312
L. F. Theiling, 511
P. F. Wolf, 525
K. F. Butwell, 525
R. Van Cleve, 511
W. E. Whitehurst, 511
K. F. Butwell, 525