

B.F. Goodrich Chemical Company
Summary Table II - Hazardous Chemicals of Special Concern - 1974*

Product or Type (common abbreviation)	Prod'n. (MM lbs.)	Usage	Times Handled	Locations	People Exposed		Current Levels (ppm)				Concern
					Freq.	Occ.	OSHA (ACGIH) C	TWA	EX	TWA	
1. Vinyl Chloride (VCM) CC (5)	950	850	5.3	7	750	600	5	1	50	6	EX
2. Ethylene dichloride (EDC) CC	950	920	3.4	1	80	40	100	50	25	<5	L?
3. Butadiene (BD) O,PN,Lv,AK	400	350	5.1	7	500	500	2000	1000	100	<20	E?
4. Chlorine Plant (CC)											
Chlorine CC	240	240	3.0	1	105	85	1	5	<1		P
Caustic CC	275	20	2.0	1+	36	20	0.5	-	-	-	C
Mercury CC		(1000#)	recirc.	1+	20	16	.1**	.05**	.15**	.04**	AN?
5. Compounding Materials											
Carbon blacks O,PN (5)		115	3.0	8	335	300	2				I?
Phthalate plasticizers (5)	40	40	4.0	5	425	110	1				I?
Clays and talcs (7)		9	2.0	7	335	300	3				I?
Lubricants and waxes (5)		5	2.0	5	230	200	1				I?
Extender Oils O,PN		60	2.0	2	185	30	1				X
6. Styrene (S) PN,Lv,AK		90	2.4	5	220	234	(200)	100			L?
7. Acrylonitrile (VCN) Lv,AK		40	2.1	6	170	250		20	25	<10	B?
8. Benzene O,CC H	25	5	14.5	6	170	40	25	10	25	<10	B?
9. Aromatic amines											
Aniline (A) AK, H		13	2.4	3	75	15		5			B
Diphenylamine (DPA) AK, H		7	3.5	2	15	15		2			L
P-nitro aniline (PNA) H		1.1	4.0	1	4	7		1			L
P-phenylene diamine (PDA) AK,H		0.8	3.0	2	10	6		.02			S
10. Carbon bisulfide (CS ₂) AK,H		3.9	2.0	2	20	13		20			EB
11. Diisocyanates (MDI) ALGC		3.1	2.0	2	63	10	(.005)	.005	<.005		PS
12. Epoxy monomers											
Epichlorohydrin (ECH) ALTC		2.3	2.1	1	24		5	< 1	5		L?
Ethylene oxide ALTC		0.8	2.0	1	24		50		50		P?
13. Vinylidene chloride (DCVM) Lv,AL,P		3.4	2.1	2	63	66		10	7	<5	L?
14. Ethylidene norbornene (ENB) O		1.2	2.4	1	40	15		5	5	1	I
Dicyclopentadiene (DCPD) O		.2	2.4	1	40	15		5			
15. Specialty monomers											
Vinyl pyridene (VP) AK		0.4	2.0	1	40	20		5			L
Allyl chloride (AC) CC		0.1	2.0	1	6			1	5	1	I?
Chloroethylvinyl ether (CEVE) Lv		0.1	2.0	1	20	12					L?
Trichloroethylene (TCE) Lv,AL		0.1	2.0	3	18	9		100			L?
Cyclo chloro acetate (CCA) Lv		0.02	2.0	1	10	30					L
16. Solvents (recycled)											
Methanol (MEOH) (7)		4.2	6	7	180	130		200			N
Hexane & heptane (3)		2.2	6	6	125	75		100			EN
Chloroform Lv		1.1	2	1	28	75		25		<10	L
Carbon tetrachloride Lv		0.1	2	4	4	15		10		< 5	L
Toluene ALTC		1.1	3	3	35	19		100		<30	B
17. Hydroquinone (HQ) AK		1.5	2	1	-	5		.5			BS
18. Phosphorous trichloride (PC/3) H		0.4	2	1	4	5		.5			PI
19. Rubber chemicals											
Acetone-aniline (ARD) AK	16.0	1.0	2.2	1	60	5					X?
Phenylbetanaphthyl amine (PBNA) AK	1.4	0.2	2.5	1	10	3					Input
Agerite White (ARW) AK	1.2	0.2	3.5	2	20	10					Input
Mercaptobenzothiazoles (MBTs) H	6.8	-	2	1	22	19					Wastes
20. Heavy metal stabilizers											
Lead based (Pb) (4)		4.2	2	4	304	89					A
Tin based (Sn) (6)		1.9	2	6	335	99					I
Antimony oxide (Sb) (4)		1.0	2	4	304	89					A?
Barrium- Cadmium (Ba-Cd) (4)		0.7	2	4	207	69					A?
21. Colors and dispersants (chromes)(6)		0.2	2	6	335	99					I
22. Catalysts											
Aluminum alkyls (& chlorides)) ALTC		1.0	2	2	32	4					I?
Organic peroxides (6)		0.6	2	6	30	15					I?
Organic hydroperoxides (5)		0.5	2	5	25	10					I?
Organo metallics O,ALTC		0.1	2	2	28	12					I?

*Concern Code: A accumulative B blood C corrosive E explosive
I irritant L liver N nerves toxin P pulmonary
S sensitizer X carcinogen ? under study--long term effects

**Figures in mg/cubic meter (Mg/m³)

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