

# Hazardous Chemicals Condensed-Phase FT-IR Spectral Library

## Index of Compounds

No.	Compound Description	No.	Compound Description
188	Acenaphthene, 99%	199	Benzo[a]pyrene, 98%
189	Acenaphthylene, 95%	200	Benzo[ghi]perylene
91	Acetaldehyde, 99%	202	Benzyl chloride, 97%
139	Acetamide, 99+%	317	Benzyl cyanide, 99+%
98	Acetic acid, glacial 99.8%	185	Biphenyl, 99%
125	Acetic anhydride, 99+%	212	2,2-Bis(4-chlorophenyl)-1,1-dichloroethane, 99+%
163	Acetone cyanohydrin, 99%	214	2,2-Bis(4-chlorophenyl)-1,1-dichloroethylene, 99%
82	Acetone, 99+%	213	1,1-Bis(4-chlorophenyl)-2,2,2-trichloroethane, 99+%
154	Acetonitrile, 99%	294	4,4'-Bis(dimethylamino)benzophenone, 98%
312	p-Acetophenetidine, 97%	366	Boron trifluoride dimethyl etherate
292	Acetophenone, 99%	367	Boron trifluoride-propanol
129	Acetyl bromide	14	Bromodichloromethane, 98+%
128	Acetyl chloride, 98%	216	4-Bromodiphenyl ether, 99+%
152	1-Acetyl-2-thiourea, 99%	13	Bromoform, 96%
95	Acrolein, 97%	40	1-Butanol, 99+%
140	Acrylamide, 99+%	83	2-Butanone, 99+%
104	Acrylic acid	114	(+/-)-sec-Butyl acetate, 99%
159	Acrylonitrile, 99+%	113	Butyl acetate, 99+%
131	Acryloyl chloride, 98%, stabilized	115	t-Butyl acetate, 99+%
103	Adipic acid, 99+%	123	Butyl acrylate, 99+%
45	Allyl alcohol, 99%	65	t-Butylamine, 98%
26	Allyl chloride, 99%	63	Butylamine, 99+%,
74	Allylamine, 98%	93	Butyraldehyde, 99%
327	3-Amino-1,2,4-triazole, 95%	101	Butyric acid, 99+%
297	2-Aminoanthraquinone, tech.	365	Cacodylic acid, sodium salt .H2O, 98%
248	3-Aminobenzotrifluoride, 99+%	143	Carbamylcholine chloride, 99%
263	4-Aminobiphenyl, 98%	59	Carbon disulfide, 99+%
253	4-Aminophenyl ether, 99+%	17	Carbon tetrachloride, 99%
333	4-Aminopyridine, 98%	235	Catechol, 99+%
393	Ammonium carbonate	225	4-Chloro-3-methylphenol, 99%
404	Ammonium chromate(VI), 99%	108	Chloroacetic acid, 99%
399	Ammonium citrate, dibasic, 98%	293	a-Chloroacetophenone, 99%
408	Ammonium hexafluorosilicate, 99.9999%	251	4-Chloroaniline, 99+%
377	Ammonium hydrogen difluoride	201	Chlorobenzene, 99+%
398	Ammonium iron(III) citrate	15	Chlorodibromomethane, 98%
403	Ammonium metavanadate, 99.999%	46	2-Chloroethanol, 99%
384	Ammonium nitrate	137	2-Chloroethyl chloroformate, 97%
402	Ammonium oxalate .H2O, 99+%	49	2-Chloroethyl ether, 99%
374	Ammonium sulfamate, 98+%	50	2-Chloroethyl vinyl ether, 99%
385	Ammonium sulfate, 99.9999%	77	(2-Chloroethyl)trimethylammonium chloride, 98%
407	Ammonium tetrafluoroborate, 99.999%	12	Chloroform
392	Ammonium thiocyanate	362	(Chloromethyl)trichlorosilane, 97%
116	Amyl acetate, 99%	221	2-Chlorophenol, 99+%
244	Aniline, 99.5+%	316	1-(2-Chlorophenyl)-2-thiourea, 98%
247	o-Anisidine, 99+%	161	3-Chloropropionitrile, 98%
252	p-Anisidine, 99+%	359	Chlorotrimethylsilane, 98%
190	Anthracene, 99.9%	196	Chrysene, 95%
314	Benzamide, 99%	313	Colchicine
193	1,2-Benzanthracene, 99%	381	Copper(I) cyanide
175	Benzene, 99+%	387	Copper(II) sulfate, anhydrous
323	Benzenesulfonyl chloride, 99%	220	o-Cresol, 99+%
301	Benzoic acid, 99+%	222	m-Cresol, 99+%
302	Benzoic acid, ammonium salt, 98%	223	p-Cresol, 99+%
318	Benzonitrile, 99+%	96	Crotonaldehyde, 85%
89	p-Benzoquinone, 99+%,	242	Cumene hydroperoxide, tech., 80%
311	Benzoyl chloride, 99+%	178	Cumene, 99%
309	Benzoyl peroxide	269	Cupferron

<u>No.</u>	<u>Compound Description</u>	<u>No.</u>	<u>Compound Description</u>
3	Cyclohexane, 99+%	285	2,4-Dinitrotoluene, 97%
87	Cyclohexanone, 99.8%,	286	3,4-Dinitrotoluene, 99%
144	(+)-Cycloheximide, 85+%	307	Diocetyl phthalate, 98% )
73	Cyclohexylamine, 99%	57	1,4-Dioxane, 99+%
373	Decaborane(14)	266	1,2-Diphenylhydrazine, 97%
258	3,4-Diaminotoluene, 97%	70	Dipropylamine, 99%
259	2,6-Diaminotoluene, 97%	350	Disperse Orange 11 (C.I. 60700)
260	2,4-Diaminotoluene, 98%	343	Disperse Yellow 3 (C.I. 11855)
198	1,2,5,6-Dibenzanthracene, 97%	55	Epichlorohydrin, 99%
328	Dibenzofuran, 99+%	267	(R)-(-)-Epinephrine, 99%
8	1,2-Dibromoethane, 99+%	54	1,2-Epoxybutane, 99%
6	Dibromomethane, 99%	354	Eserine, 99%
306	Dibutyl phthalate, 99%	48	Ether
296	2,3-Dichloro-1,4-naphthoquinone, 98%	52	2-Ethoxyethanol, 99+%
30	2,3-Dichloro-1-propene, 98%	112	Ethyl acetate, 99.5+%
32	trans-1,4-Dichloro-2-butene, tech., 85%	120	Ethyl acrylate, 99%
31	1,4-Dichloro-2-butene, tech., 85%, mixture of cis and trans	134	Ethyl chloroformate, 97%
86	1,3-Dichloroacetone, 95+%	122	Ethyl methacrylate, 99%
205	m-Dichlorobenzene, 98%	167	Ethyl methanesulfonate, 99%
204	o-Dichlorobenzene, 99+%	177	Ethylbenzene, 99%
206	p-Dichlorobenzene, 99+%	44	Ethylene glycol, 99+%
319	2,6-Dichlorobenzonitrile, 97%	66	Ethylenediamine, 99+%,
360	Dichlorodimethylsilane, 99%	111	Ethylenediaminetetraacetic acid, 99%
10	1,1-Dichloroethane	342	Fast Garnet GBC base, 97%
7	1,2-Dichloroethane, 99+%	192	Fluoranthene, 98%
27	trans-1,2-Dichloroethylene, 98%	187	Fluorene, 98%
5	Dichloromethane, 99+%	141	Fluoroacetamide, 98%
363	Dichloromethylphenylsilane, 96%	107	Fluoroacetic acid, sodium salt, 98%
224	2,6-Dichlorophenol, 99%	47	2-Fluoroethanol, 95%
227	2,4-Dichlorophenol, 99%	16	Fluorotrichloromethane, 99+%
298	2,4-Dichlorophenoxyacetic acid, 96%	336	5-Fluorouracil, 99%
322	3,4-Dichlorophenyl isocyanate, 97%	90	Formaldehyde, 37 wt.% solution in water
9	1,3-Dichloropropane, 99%	97	Formic acid, 98%
11	1,2-Dichloropropane, 99%	105	Fumaric acid, 99+%
29	1,3-Dichloropropene, 98%, mixture of isomers	326	2-Furaldehyde, 99%
109	2,2-Dichloropropionic acid, 96%	325	Furan, 99+%
203	a,a-Dichlorotoluene, 99%	351	Guinea Green B (C.I. 42085)
158	1,4-Dicyanobutane, 99%	36	Hexachloro-1,3-butadiene, 98%
75	Diethanolamine, 97%	211	Hexachlorobenzene, 97%
172	Diethyl chlorophosphate, 97%	37	1,2,3,4,5,6-Hexachlorocyclohexane, g-isomer, 97%
305	Diethyl phthalate, 99%	38	Hexachlorocyclopentadiene, 98%
170	Diethyl sulfate, 98%	23	Hexachloroethane
69	Diethylamine, 98%	241	Hexachlorophene, 99%
239	Diethylstilbestrol, 99%	35	Hexachloropropene, 96%
352	Digitoxin	171	Hexamethylphosphoramide, 99%
353	(+)-Digoxin	372	Hydrazine sulfate
335	(+/-)-3,6-Dihydroxypyridazine	237	Hydroquinone, 99+%
256	3,3'-Dimethoxybenzidine, 97%	337	4-Hydroxy-2-mercapto-6-methylpyrimidine, 98%
174	Dimethyl chlorothiophosphate, 97%	151	2-Imidazolidinethione, 98%
304	Dimethyl phthalate, 99%	4	Iodomethane, 99%
169	Dimethyl sulfate, 99+%	411	Iron pentacarbonyl
262	N,N-Dimethyl-1,4-phenylenediamine, 97%	117	Isoamyl acetate, 99%
67	Dimethylamine, 40 wt.% solution in water	64	Isobutylamine, 99%
245	N,N-Dimethylaniline, 99%	94	Isobutyraldehyde, 98%
254	2,6-Dimethylaniline, 99%	102	Isobutyric acid, 99+%
194	7,12-Dimethylbenz[a]anthracene, 97%	156	Isobutyronitrile, 99%
138	Dimethylcarbonyl chloride, 98%	88	Isophorone, 98%
68	1,1-Dimethylhydrazine, 98+%	2	Isoprene, 99+%
226	2,4-Dimethylphenol, 97%	136	Isopropyl chloroformate, 98%
289	4,6-Dinitro-o-cresol	240	4,4'-Isopropylidenediphenol, 97%
276	m-Dinitrobenzene, 97%	162	Lactonitrile, 92%
281	p-Dinitrobenzene, 98%	383	Lead nitrate, 99.9999%
273	o-Dinitrobenzene, 99%	397	Lead subacetate, anhydrous
287	2,4-Dinitrophenol	395	Lead(II) acetate, 99.999%
288	2,5-Dinitrophenol	391	Lead(II) thiocyanate, 99.5%
282	2,6-Dinitrotoluene	106	Maleic acid, 99%

<u>No.</u>	<u>Compound Description</u>	<u>No.</u>	<u>Compound Description</u>
127	Maleic anhydride, briquettes, 99%	238	2-Phenylphenol, 99+%
157	Malononitrile, 99%	364	Phenyltrichlorosilane, 95%
394	Mercuric acetate, 98%	310	Phthalic anhydride, 99%
380	Mercury(II) cyanide, 99%	331	2-Picoline, 99+%
390	Mercury(II) thiocyanate	290	Picric acid, 98%
160	Methacrylonitrile	124	Picrotoxin
132	Methacryloyl chloride, tech., 90%	76	Piperidine, 98%
255	2-Methoxy-5-methylaniline, 99%	1	Piperylene, tech., 90%, (E) + (Z)
284	2-Methoxy-5-nitroaniline, 98%	401	Potassium antimonyl tartrate .1/2 H2O, 99.995%
51	2-Methoxyethanol, 99%	379	Potassium cyanide
119	Methyl acrylate, 99%	405	Potassium dichromate
39	Methyl alcohol, 99.9%	406	Potassium permanganate, 99+%
133	Methyl chloroformate, 99%	168	1,3-Propane sultone, 97%
164	Methyl isocyanate	42	2-Propanol, 99+%
166	Methyl isothiocyanate	341	Propargyl alcohol, 97%
121	Methyl methacrylate, 99%	340	Propargyl bromide, 80 wt.% solution in toluene
165	Methyl thiocyanate, 99%	92	Propionaldehyde, 97%
85	Methyl vinyl ketone, 99%	100	Propionic acid, 99%
330	Methyl viologen .H2O	126	Propionic anhydride, 97%
41	2-Methyl-1-propanol, 99%	155	Propionitrile, 99%
84	4-Methyl-2-pentanone, 99.5%	135	Propyl chloroformate, 98%
43	2-Methyl-2-propanol, 99.5%	62	Propylamine, 98%
283	2-Methyl-5-nitroaniline, 99%	53	Propylene oxide, 99%
332	2-Methyl-5-vinylpyridine tech., 90+%	197	Pyrene, 99+%
147	N-Methyl-N'-nitro-N-nitrosoguanidine, 97%	329	Pyridine, 99+%
60	Methylamine, 40 wt.% solution in water	338	Quinoline, 99%
195	3-Methylcholanthrene, 99%	357	Reserpine, 99%
264	4,4'-Methylenebis(N,N-dimethylaniline), 98%	236	Resorcinol, 98%
250	4,4'-Methylenedianiline, 99%	349	Rhodamine 6G (C.I. 45160)
61	Methylhydrazine, 98%	324	Saccharin, 98+%
173	Methylphosphonic dichloride, 98%	215	Safrole, 97%
361	Methyltrichlorosilane, 98%	376	Selenious acid, 99.999%
356	Mitomycin c	145	Semicarbazide .HCl, 99+%
186	Naphthalene, 99+%	375	Silver nitrate, 99.997+%
295	1,4-Naphthoquinone, 97%	382	Sodium azide, 99%
334	(S)-(-)-Nicotine, 98%	378	Sodium cyanide, 98%
110	Nitrilotriacetic acid, 99%	410	Sodium hydrogen selenite
280	4-Nitroaniline, 99+%	368	Sodium methoxide, anhydrous
270	Nitrobenzene, 99+%	409	Sodium nitrite, 97+%
278	4-Nitrobenzyl chloride, 99%	388	Sodium phosphate, dibasic, anhydrous, 98+%
81	Nitrocyclohexane, 97%	389	Sodium tripolyphosphate, tech., 85%
272	2-Nitrophenol	355	(-)-L-Strychnine, 98%
279	4-Nitrophenol, 98%	218	Styrene oxide, 97%
275	3-Nitrophenol, 99%	184	Styrene, 99+%
80	2-Nitropropane, 94%	344	Sudan I (C.I. 12055)
339	4-Nitropyridine-N-oxide, 97%	346	Sudan II (C.I. 12140)
268	4-Nitrosodiphenylamine, tech., 75%	400	L-Tartaric acid, diammonium salt, 99%
78	1-Nitrosopyrrolidine, 99%	209	1,2,4,5-Tetrachlorobenzene, 98%
274	3-Nitrotoluene, 99%	20	1,1,2,2-Tetrachloroethane
277	4-Nitrotoluene, 99%	21	1,1,1,2-Tetrachloroethane, 98.5%
271	2-Nitrotoluene, 99+%	34	Tetrachloroethylene, 99+%
217	Pentabromophenyl ether, 98%	370	Tetraethyltin, 99%
210	Pentachlorobenzene, 98%	56	Tetrahydrofuran, 99.5+%
22	Pentachloroethane, 96%	153	Tetramethylthiuram disulfide, 97%
291	Pentachloronitrobenzene, 96%	79	Tetranitromethane, 98%
234	Pentachlorophenol, 99%	386	Thallium(I) sulfate, 99.999%
99	Peracetic acid, 35 wt.% solution in dil. acetic acid	149	Thioacetamide, 99%
58	Perchloromethyl mercaptan, 97%	146	Thiocarbohydrazide, 98%
191	Phenanthrene, 98+%	243	Thiophenol, 99+%
219	Phenol, 99+%	150	Thiosemicarbazide, 99%
315	1-Phenyl-2-thiourea, 97%	148	Thiourea, 99%
369	Phenylarsonic acid, 97%	176	Toluene, 99+%
345	4-Phenylazoaniline, 98%	246	o-Toluidine, 99+%
261	1,4-Phenylenediamine, 97%	249	p-Toluidine, 99.9%
265	Phenylhydrazine .HCl, 99+%	320	Tolylene 2,4-diisocyanate, tech., 80%
303	Phenylmercuric acetate, 97%	321	Tolylene 2,6-diisocyanate, 97%

<u>No.</u>	<u>Compound Description</u>
130	Trichloroacetyl chloride, 99%
208	1,2,4-Trichlorobenzene, 99%
19	1,1,2-Trichloroethane, 98%
18	1,1,1-Trichloroethane, uninhibited, 99%
33	Trichloroethylene, 98%
228	2,3,4-Trichlorophenol, 97%
230	2,4,6-Trichlorophenol, 98%
233	2,4,5-Trichlorophenol, 98%
229	2,3,6-Trichlorophenol, 99%
231	3,4,5-Trichlorophenol, 99%
232	2,3,5-Trichlorophenol, 99%
300	2-(2,4,5-Trichlorophenoxy)propionic acid, 97%
299	2,4,5-Trichlorophenoxyacetic acid, 98%
207	a,a,a-Trichlorotoluene, 98%
24	1,1,2-Trichlorotrifluoroethane, 99+%
358	Triethoxysilane, 98%
72	Triethylamine, 99%

<u>No.</u>	<u>Compound Description</u>
71	Trimethylamine, anhydrous, 99%
257	2,4,6-Trimethylaniline, 97%
183	1,2,4-Trimethylbenzene, 99+%
371	Trimethyltin chloride, 99%
348	Trypan Blue
142	Urethane, 99%
118	Vinyl acetate, 99+%
25	Vinyl bromide, 98%
28	Vinylidene chloride, 99%
308	(+/-)-Warfarin, 98%
179	o-Xylene, 97%
180	m-Xylene, 99%
181	p-Xylene, 99%
182	Xylenes, mixed
347	Xylidine Ponceau 2R (C.I. 16150)
396	Zinc acetate .2H <sub>2</sub> O, 98+%