TABLE XIV. ORGANIC DERIVATIVES OF ACID ANHYDRIDES

a) Liquids 1) (Listed in order of increasing atmospheric b.p.)*

No	Acid anhydride	Boiling point, °C	Melting point, °C	n_D	Density g/ml	Acid		Amide	Anilide	*p*-Toluidide	2-Naphthylamide	Miscellaneous
						B P	M P					
1	**Trifluoroacetic**	39		$1\ 269^{25}$	$1\ 490_4^{25}$	72		75	88			
2	**Perfluoropropionic**	72		$1\ 273^{25}$	$1\ 571_4^{25}$	96		95				
3	**Perfluoro-*n*-butyric**	108		$1\ 285^{20}$	$1\ 665^{20}$	120		105	93			
4	**Acetic**	140	−73	$1\ 3904^{20}$	$1\ 0811^{20}$	118	16	82	114	153		
5	***n*-Propionic**	167	−45	$1\ 404^{20}$	$1\ 017^{15}$	141		81	106	126 (124)		
6	**Perfluoro-*n*-caproic** (Perfluoro-*n*-hexanoic)	176		$1\ 295^{20}$	$1\ 769_4^{25}$	157		117				
7	**Isobutyric**	182			$0\ 957^{17}$	154		128	105	107		
8	**Pivalic** (Trimethylacetic)	190				164	35	154	129	120		
9	***n*-Butyric**	198			$0\ 978^{15}$	162		115	96	75 (73)	125	
10	**Citraconic** (Methylmaleic)	214	7–8	$1\ 471^{21.5}$	$1\ 238_4^{25}$		92d	185–7 (*di*)	175 (*di*)			
11	**Isovaleric**	215				176		135 (137)		107	138	
12	**Dichloroacetic**	216d				194		98	118	153		
13	**Valeric** (Pentanoic)	218			$0\ 922_4^{17}$	186		106	63	74	112	
14	**Crotonic**	248		$1\ 4745^{20}$	$1\ 0397_4^{20}$	189	72	161 (158)	118 (115)	132		
15	**Caproic** (*n*-Hexanoic)	254–7 (245)		$1\ 4297^{20}$	$0\ 92_4^{20}$	205		100	95 (92)	75 (73)	107	
16	***n*-Heptanoic**	258		$1\ 4335^{15}$	$0\ 9175_4^{20}$	223		96	70 (65)	81	101	
17	**α-Methylglutaric**	272–5					79		175 6 (*di*) *mono* (2 forms) 114 or 100	174 5 (*di*) *mono* (2 forms) 126 or 98–9	227–8 (*di*), 115–9 (*mono*)	
18	**Caprylic** (*n*-Octanoic)	280–5	−1	$1\ 436^{17}$	$0\ 9065_4^{17}$	239	16	110 (106)	57 (55)	70	103	
19	***cis*-Hexahydroisophthalic**	304					187 9		298–9 (*di*)			

*Derivative data given in order m p , crystal color, solvent from which crystallized

TABLE XIV. ORGANIC DERIVATIVES OF ACID ANHYDRIDES

a) Liquids 2) (Reduced pressure b.p. only) (Listed in order of increasing m.p. of the corresponding amide derivative)*

No.	Acid anhydride	Boiling point, °C	Melting point, °C	n_D	Density g/ml	Acid		Amide	Anilide	*p*-Toluidide	2-Naphthyl-amide	Miscellaneous
						B.P.	M.P.					
1	**DL-α-Bromobutyric**.....	148–52[10]	.....	.....	.....	127[25]	−4	112	.....	.....	.....	4-Nitrophenyl ester, 48-9; 2-Naphthyl ester, 54
2	**DL-α-Bromopropionic**.....	120[5] (123–4[10])	.....	.....	.....	204	26	123	.....	.....	.....	.....

* Derivative data given in order: m.p., crystal color, solvent from which crystallized.