

TABLE XV. ORGANIC DERIVATIVES OF AMIDES AND IMIDES
a) Liquids (Listed in order of increasing b.p.)*

No	Name	Boiling point, °C	Melting point, °C	n _D ²⁰	D ₄ ²⁰	Derived acid				Derived amine				Miscellaneous
						M P, °C	B P, °C	p-Nitro benzyl ester	p-Bromo-phenacyl ester	M P, °C	B P, °C	Acet-amide	Benz-amide	
1	N,N-Dimethylformamide	153, 76 ⁴⁹	-61	1 42938 ^{22 4}	0 9484 ^{22 4}	8 4	100 7	31	140, 135		7		41	Xanthyl deriv , 184, Oxalate, 107 4 7 7
2	N,N-Diethylformamide	176-8, 68 ¹⁵			0 908 ¹⁶	8 4	100 7	31	140, 135		56		42	
3	N-Methylformamide	180-5, 131 ⁹⁰	-3 8, -5 4	1 4310 ²⁵	1 011 ¹⁹	8 4	100 7	31	140, 135		-6	28	80	
4	Formamide	193, 195d	2 55			8 4	100 7	31	140, 135		NH ₃			
5	N-Ethylformamide	197 9			0 952 ²¹	8 4	100 7	31	140, 135		16 5, 19		71	
6	N-Formylpiperidine (Form-N-piperidide)	222				8 4	100 7	31	140, 135		106		48	
7	N-Acetyl piperidine (Aceto-N-piperidide)	226				166	118 2	78	86 0		106		48	
8	N-Methylformanilide	243-4, 249-51, 128-9 ¹⁵	12 5		1 0928 ²³	8 4	100 7	31	140, 135		196	102	63	
9	N-Ethylformanilide	258 ⁷²⁸ , 123 ¹¹			1 0549	8 4	100 7	31	140, 135		205	54	60	
10	N-Propylformanilide	267 ⁷³¹ (cor)			1 044 ¹⁶	8 4	100 7	31	140, 135		222	47		
11	N-Isobutylformanilide	274 ⁷³¹ (cor)				8 4	100 7	31	140, 135		227			
12	N-Isoamylformanilide	285-6 ⁷²⁸			1 004 ¹⁶	8 4	100 7	31	140, 135		254 5 (cor)			

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