

## Production of minor oil products from refineries - by type

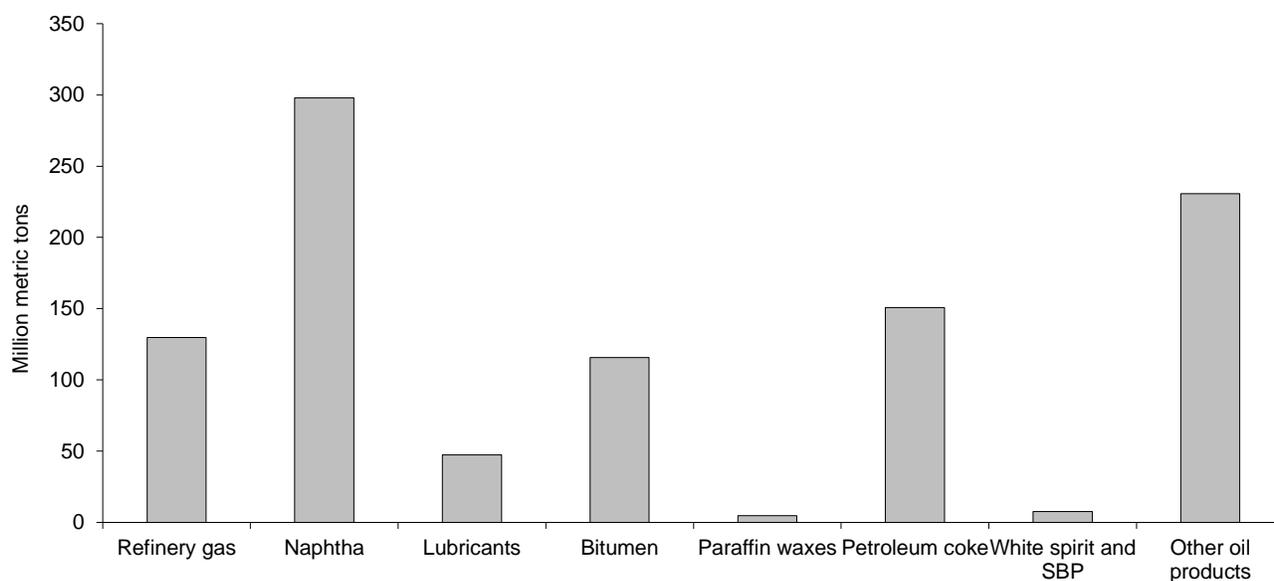
Thousand metric tons

### Table Notes

Data refer to production from refineries of refinery gas, ethane, naphtha, lubricants, bitumen, paraffin waxes, petroleum coke, white spirit, and other oil products (which for this table includes refinery output of feedstocks).

Please refer to the Definitions Section on pages ix to xv for the appropriate product description /classification, and xvi to xvii for the descriptions of relevant flows.

**Figure 63: Production of minor oil products from refineries, 2018\***



\*Ethane is included with other oil products

Table 23

## Production of minor oil products from refineries - by type

Thousand metric tons

Country or area	Year	Refinery gas	Ethane	Naphtha	Lubricants	Bitumen	Paraffin waxes	Petroleum coke	White spirit and SBP	Other oil products
World	2015	130,535	3,082	272,167	37,308	111,230	3,092	129,553	7,572	176,516
	2016	129,797	2,119	281,399	37,163	114,419	3,487	144,234	8,783	184,234
	2017	125,496	1,650	293,240	42,093	115,792	4,618	145,937	9,294	204,190
	2018	129,798	2,055	297,868	47,484	115,746	4,684	150,692	7,719	228,611
Africa	2015	1,832	..	11,149	566	1,481	7	580	98	1,497
	2016	679	..	11,125	482	1,488	10	581	116	1,507
	2017	1,255	..	10,529	550	1,437	10	563	115	1,639
	2018	1,267	..	10,674	574	1,410	10	531	96	2,379
Algeria	2015	350	..	8,372	84	115	..	..	..	*180
	2016	..	..	7,929	*55	*144	..	..	..	*236
	2017	..	..	8,143	*73	*127	..	..	..	*184
	2018	..	..	7,634	*98	*115	..	..	..	*134
Angola	2015	*106	..	253	..	1	..	..	..	184
	2016	*79	..	305	..	3	..	..	..	200
	2017	74	..	278	..	16	..	..	..	162
	2018	53	..	244	..	12	..	..	..	207
Cameroon	2015	68	..	..	..	..	..	..	..	157
	2016	67	..	..	..	..	..	..	..	155
	2017	55	..	..	..	..	..	..	..	127
	2018	50	..	..	..	..	..	..	..	105
Chad	2015	..	..	..	*1	*1	..	*41	..	*16
	2016	..	..	..	*1	*1	..	*36	..	*14
	2017	..	..	..	*1	*1	..	*36	..	*14
	2018	..	..	..	*1	*1	..	*36	..	*14
Congo	2015	..	..	8	..	..	..	..	..	12
	2016	..	..	8	..	..	..	..	..	30
	2017	..	..	9	..	..	..	..	..	19
	2018	..	..	9	..	..	..	..	..	19
Côte d'Ivoire	2015	25	..	..	26	121	..	..	..	..
	2016	25	..	..	29	236	..	..	..	..
	2017	19	..	..	36	249	..	..	..	..
	2018	20	..	..	46	259	..	..	..	..
Egypt	2015	130	..	1,025	285	632	..	247	..	359
	2016	*125	..	1,790	*273	*605	..	*237	..	*343
	2017	136	..	450	297	658	..	257	..	373
	2018	130	..	737	286	633	..	248	..	1,352
Gabon	2015	..	..	..	10	2	..	..	..	..
	2016	..	..	..	11	2	..	..	..	..
	2017	..	..	..	10	2	..	..	..	..
	2018	..	..	..	11	2	..	..	..	..
Libya	2015	87	..	539	..	23	..	..	..	4
	2016	81	..	518	..	21	..	..	..	4
	2017	97	..	667	..	25	..	..	..	5
	2018	113	..	948	..	29	..	..	..	6
Morocco	2015	90	..	204	45	247	1	..	..	221
	2016	0	..	0	0	0	0	..	..	0
	2017	..	..	..	..	..	..	..	..	..
	2018	..	..	..	..	..	..	..	..	..
Nigeria	2015	52	..	29	..	0	..	8	..	310
	2016	77	..	82	..	7	..	9	..	475
	2017	102	..	342	..	0	..	12	..	720
	2018	98	..	158	..	5	..	16	..	492

## Production of minor oil products from refineries - by type

Thousand metric tons

Country or area	Year	Refinery gas	Ethane	Naphtha	Lubricants	Bitumen	Paraffin waxes	Petroleum coke	White spirit and SBP	Other oil products
Senegal	2015	21	..	81	..	..	..	..	..	..
	2016	23	..	87	..	..	..	..	..	..
	2017	15	..	123	..	..	..	..	..	..
	2018	13	..	76	..	..	..	..	..	..
South Africa	2015	869	..	332	115	339	6	..	86	40
	2016	166	..	166	113	468	10	..	106	39
	2017	723	..	420	133	359	10	..	104	25
	2018	758	..	618	132	354	10	..	83	37
Sudan	2015	21	..	14	..	..	..	285	..	..
	2016	24	..	11	..	..	..	299	..	..
	2017	20	..	4	..	..	..	258	..	..
	2018	*20	..	9	..	..	..	231	..	..
Tunisia	2015	..	..	292	..	..	..	..	12	..
	2016	2	..	230	..	..	..	..	10	..
	2017	4	..	93	..	..	..	..	11	..
	2018	..	..	241	..	..	..	..	13	..
Zambia	2015	13	..	..	..	..	..	..	..	13
	2016	10	..	..	..	..	..	..	..	10
	2017	10	..	..	..	..	..	..	..	10
	2018	12	..	..	..	..	..	..	..	12
<b>America, North</b>	<b>2015</b>	<b>22,186</b>	<b>107</b>	<b>15,568</b>	<b>10,599</b>	<b>25,879</b>	<b>249</b>	<b>62,443</b>	<b>1,632</b>	<b>15,079</b>
	<b>2016</b>	<b>22,224</b>	<b>72</b>	<b>15,760</b>	<b>9,839</b>	<b>25,706</b>	<b>246</b>	<b>64,526</b>	<b>1,568</b>	<b>15,349</b>
	<b>2017</b>	<b>20,568</b>	<b>116</b>	<b>13,009</b>	<b>10,451</b>	<b>26,079</b>	<b>245</b>	<b>62,754</b>	<b>1,742</b>	<b>15,779</b>
	<b>2018</b>	<b>20,524</b>	<b>128</b>	<b>13,656</b>	<b>10,838</b>	<b>25,942</b>	<b>237</b>	<b>62,075</b>	<b>2,228</b>	<b>16,579</b>
Canada	2015	3,526	..	3,562	1,056	4,196	..	1,422	59	2,494
	2016	3,259	..	3,892	954	4,763	..	1,378	74	2,441
	2017	2,645	..	1,749	1,038	5,176	..	1,266	129	2,681
	2018	2,948	..	1,939	1,127	5,420	..	1,301	677	3,372
Cuba	2015	19	..	354	50	64	..	8	..	..
	2016	5	..	232	50	57	..	8	..	..
	2017	3	..	289	51	58	..	2	..	..
	2018	4	..	301	51	63	..	1	..	..
Curaçao	2015	221	..	359	103	121	..	95	..	499
	2016	169	..	353	103	121	..	152	..	304
	2017	99	..	98	60	71	..	89	..	178
	2018	48	..	74	29	34	..	43	..	86
Dominican Republic	2015	9	..	..	..	..	..	..	..	..
	2016	13	..	..	..	..	..	..	..	..
	2017	10	..	..	..	..	..	..	..	..
	2018	14	..	..	..	..	..	..	..	..
Guatemala	2015	..	..	..	..	27	..	..	..	..
	2016	..	..	..	..	14	..	..	..	..
	2017	..	..	..	..	38	..	..	..	..
	2018	..	..	..	..	97	..	..	..	..
Jamaica	2015	..	..	36	..	31	..	..	..	..
	2016	..	..	51	..	20	..	..	..	..
	2017	..	..	40	..	18	..	..	..	..
	2018	..	..	0	..	25	..	..	..	..
Mexico	2015	3,193	..	3,124	120	1,025	26	3,053	..	78
	2016	3,190	..	3,008	155	982	26	2,530	..	94
	2017	2,445	..	2,441	99	959	20	1,657	..	108
	2018	1,816	..	2,046	98	805	24	1,027	..	93

Table 23

## Production of minor oil products from refineries - by type

Thousand metric tons

Country or area	Year	Refinery gas	Ethane	Naphtha	Lubricants	Bitumen	Paraffin waxes	Petroleum coke	White spirit and SBP	Other oil products
Nicaragua	2015	12	..	..	..	22	..	..	17	..
	2016	14	..	..	..	19	..	..	12	..
	2017	9	..	..	..	12	..	..	8	..
	2018	18	..	..	..	21	..	..	13	..
Trinidad and Tobago	2015	59	..	0	..	35	..	..	..	66
	2016	59	..	0	..	9	..	..	..	71
	2017	52	..	0	..	12	..	..	..	309
	2018	88	..	..	..	11	..	..	..	50
United States	2015	15,147	107	8,133	9,270	20,358	223	57,865	1,556	11,942
	2016	15,516	72	8,225	8,577	19,721	220	60,458	1,482	12,439
	2017	15,305	116	8,391	9,203	19,736	225	59,740	1,605	12,503
	2018	15,588	128	9,296	9,533	19,466	213	59,703	1,538	12,978
<b>America, South</b>	<b>2015</b>	<b>8,179</b>	<b>..</b>	<b>6,626</b>	<b>1,175</b>	<b>3,654</b>	<b>63</b>	<b>9,424</b>	<b>623</b>	<b>8,426</b>
	<b>2016</b>	<b>7,651</b>	<b>..</b>	<b>5,923</b>	<b>1,116</b>	<b>3,490</b>	<b>60</b>	<b>9,893</b>	<b>621</b>	<b>8,676</b>
	<b>2017</b>	<b>7,653</b>	<b>..</b>	<b>6,017</b>	<b>1,181</b>	<b>3,121</b>	<b>56</b>	<b>9,881</b>	<b>514</b>	<b>7,557</b>
	<b>2018</b>	<b>7,443</b>	<b>..</b>	<b>6,147</b>	<b>1,284</b>	<b>3,174</b>	<b>53</b>	<b>9,621</b>	<b>490</b>	<b>6,554</b>
Argentina	2015	1,066	..	921	241	403	11	1,337	287	..
	2016	1,051	..	764	238	334	9	1,406	301	..
	2017	1,017	..	727	219	242	8	1,478	230	..
	2018	1,072	..	400	225	396	7	1,511	201	..
Bolivia (Plur. State of)	2015	..	..	..	24	1	..	..	81	..
	2016	..	..	1	25	2	..	..	80	..
	2017	..	..	..	24	2	..	..	52	..
	2018	..	..	..	22	1	..	..	50	..
Brazil	2015	4,870	..	3,337	567	2,015	..	5,652	253	2,438
	2016	4,445	..	2,308	546	2,152	..	5,786	238	2,446
	2017	4,549	..	2,248	656	1,955	..	5,618	232	2,370
	2018	4,264	..	2,944	785	1,900	..	5,093	237	2,312
Chile	2015	201	..	121	..	..	..	504	..	722
	2016	203	..	48	..	..	..	365	..	744
	2017	211	..	75	..	..	..	446	..	579
	2018	215	..	64	..	..	..	443	..	608
Colombia	2015	189	..	137	143	443	37	..	..	276
	2016	263	..	814	141	345	37	583	..	1,362
	2017	275	..	1,070	142	279	37	681	..	1,035
	2018	290	..	1,164	139	263	37	953	..	439
Ecuador	2015	2	..	..	..	..	..	..	..	1,008
	2016	2	..	..	..	..	..	..	..	920
	2017	2	..	..	..	..	..	..	..	923
	2018	1	..	..	..	..	..	..	..	848
Peru	2015	149	..	..	..	..	..	..	..	262
	2016	137	..	..	..	..	..	..	..	239
	2017	151	..	..	..	..	..	..	..	274
	2018	168	..	..	..	..	..	..	..	264
Suriname	2015	..	..	..	..	5	..	..	..	..
	2016	..	..	..	..	5	..	..	..	..
	2017	..	..	..	..	5	..	..	..	..
	2018	..	..	..	..	4	..	..	..	..
Uruguay	2015	54	..	..	..	50	..	32	2	..
	2016	62	..	..	..	40	..	38	2	..
	2017	18	..	..	..	26	..	10	0	..
	2018	58	..	..	..	102	..	37	2	..

Table 23

## Production of minor oil products from refineries - by type

Thousand metric tons

Country or area	Year	Refinery gas	Ethane	Naphtha	Lubricants	Bitumen	Paraffin waxes	Petroleum coke	White spirit and SBP	Other oil products
Venezuela (Bolivar. Rep.)	2015	1,648	..	2,110	200	737	15	1,899	..	3,720
	2016	1,488	..	1,988	166	612	14	1,715	..	2,965
	2017	1,430	..	1,897	140	612	11	1,648	..	2,376
	2018	1,374	..	1,575	113	507	9	1,584	..	2,083
<b>Asia</b>	<b>2015</b>	<b>57,735</b>	<b>0</b>	<b>171,026</b>	<b>14,003</b>	<b>53,396</b>	<b>1,889</b>	<b>41,773</b>	<b>2,795</b>	<b>126,933</b>
	<b>2016</b>	<b>59,979</b>	<b>0</b>	<b>180,672</b>	<b>14,781</b>	<b>56,224</b>	<b>2,440</b>	<b>52,960</b>	<b>3,535</b>	<b>132,620</b>
	<b>2017</b>	<b>56,812</b>	<b>0</b>	<b>189,490</b>	<b>15,266</b>	<b>58,562</b>	<b>3,375</b>	<b>56,059</b>	<b>4,059</b>	<b>151,016</b>
	<b>2018</b>	<b>61,653</b>	<b>..</b>	<b>193,425</b>	<b>16,037</b>	<b>58,583</b>	<b>3,288</b>	<b>62,138</b>	<b>2,939</b>	<b>171,912</b>
Azerbaijan	2015	216	..	193	26	172	..	255	..	350
	2016	231	..	174	10	179	..	207	..	384
	2017	214	..	169	39	237	..	227	..	594
	2018	214	..	205	52	290	..	244	..	615
Bahrain	2015	..	..	1,639	..	647	..	..	..	532
	2016	..	..	1,565	..	450	..	..	..	441
	2017	..	..	1,494	..	298	..	..	..	568
	2018	..	..	1,655	..	316	..	..	..	551
Bangladesh	2015	13	..	162	18	67	..	..	7	18
	2016	13	..	132	17	65	..	..	3	17
	2017	16	..	161	19	79	..	..	4	21
	2018	14	..	97	20	58	..	..	5	21
Brunei Darussalam	2015	14	..	..	..	..	..	..	..	..
	2016	10	..	..	..	..	..	..	..	..
	2017	3	..	..	..	..	..	..	..	..
	2018	18	..	..	..	..	..	..	..	..
China	2015	18,537	..	45,850	1,172	20,078	1,614	19,004	1,473	88,834
	2016	18,923	..	50,324	1,474	21,716	2,122	19,509	2,325	91,622
	2017	19,825	..	54,639	1,998	25,828	2,982	20,494	2,122	104,284
	2018	20,132	..	60,255	2,206	26,877	2,795	26,636	1,088	118,749
Georgia	2015	..	..	..	..	..	..	..	..	2
	2016	..	..	..	..	..	..	..	..	..
	2017	..	..	3	..	..	..	..	..	..
	2018	..	..	3	..	..	..	..	..	..
India	2015	*11,643	..	17,861	1,037	5,157	65	13,322	..	20,557
	2016	*12,268	..	17,607	1,029	5,185	85	*13,936	..	22,507
	2017	*9,825	..	18,786	1,036	5,277	104	14,754	..	26,210
	2018	*14,117	..	*18,536	949	5,803	*117	*14,676	..	*29,973
Indonesia	2015	632	..	1,406	365	171	19	338	18	3,684
	2016	655	..	1,371	282	192	20	436	26	2,689
	2017	673	..	1,565	344	112	16	497	26	4,195
	2018	690	..	1,666	390	164	19	554	27	4,096
Iran (Islamic Rep. of)	2015	1,898	0	3,226	1,718	5,578	..	..	149	242
	2016	1,951	0	3,505	1,738	6,046	..	..	396	826
	2017	1,581	0	3,000	1,761	4,837	..	..	541	753
	2018	1,545	..	3,030	1,720	4,662	..	..	528	761
Iraq	2015	133	..	439	45	276	1	..	..	..
	2016	137	..	480	45	88	1	..	..	..
	2017	164	..	571	52	140	110	..	..	..
	2018	192	..	442	53	143	112	..	..	..
Israel	2015	586	..	1,186	..	239	..	..	..	362
	2016	616	..	1,095	..	280	..	..	..	541
	2017	569	..	1,201	..	310	..	..	..	458
	2018	567	..	1,153	..	308	..	..	..	588

Table 23

## Production of minor oil products from refineries - by type

Thousand metric tons

Country or area	Year	Refinery gas	Ethane	Naphtha	Lubricants	Bitumen	Paraffin waxes	Petroleum coke	White spirit and SBP	Other oil products
Japan	2015	7,220	..	13,986	2,107	3,264	60	1,164	75	2,204
	2016	7,157	..	14,656	2,201	3,249	58	1,267	74	2,327
	2017	7,111	..	13,175	1,958	3,051	64	1,320	72	2,222
	2018	7,030	..	12,385	2,181	2,854	70	1,345	71	2,192
Jordan	2015	*40	..	..	27	188	..	..	..	*3
	2016	*36	..	..	24	238	..	..	..	*4
	2017	*33	..	..	23	226	..	..	..	*4
	2018	42	..	..	19	127	..	..	..	*3
Kazakhstan	2015	111	..	..	..	600	..	256	..	..
	2016	111	..	..	..	605	..	311	..	..
	2017	161	..	..	..	809	..	474	..	..
	2018	177	..	..	..	926	..	530	..	..
Korea, Republic of	2015	4,499	..	29,404	2,649	4,647	14	360	355	2,588
	2016	4,566	..	31,503	2,569	5,064	16	372	388	2,834
	2017	3,831	..	35,356	2,747	5,185	18	404	506	2,856
	2018	4,365	..	36,933	3,307	4,489	15	408	456	2,737
Kuwait	2015	399	..	8,470	..	91	..	..	..	583
	2016	383	..	7,120	..	99	..	..	..	560
	2017	310	..	5,675	..	118	..	..	..	454
	2018	322	..	5,613	..	183	..	..	..	471
Kyrgyzstan	2015	..	..	..	..	..	..	..	..	..
	2016	..	..	..	..	..	..	..	..	..
	2017	..	..	..	..	..	..	..	..	..
	2018	..	..	..	..	35	..	..	..	..
Malaysia	2015	169	..	2,447	867	176	83	237	..	..
	2016	198	..	2,744	972	197	93	265	..	..
	2017	172	..	2,356	368	171	23	166	..	..
	2018	128	..	1,818	279	405	32	20	..	..
Myanmar	2015	24	..	..	..	..	1	12	..	5
	2016	..	..	..	..	..	1	13	..	5
	2017	..	..	..	..	..	0	12	..	5
	2018	..	..	..	..	..	..	10	..	*5
Oman	2015	115	..	485	46	..	..	..	..	245
	2016	93	..	482	46	..	..	..	..	192
	2017	124	..	939	62	..	..	..	..	357
	2018	149	..	1,375	75	..	..	..	..	1,068
Other Asia	2015	1,958	..	7,212	593	617	..	1,315	61	566
	2016	2,107	..	7,074	610	619	..	1,266	68	504
	2017	1,897	..	7,667	672	510	..	1,272	63	678
	2018	2,196	..	8,696	556	587	..	1,276	49	638
Pakistan	2015	176	..	914	208	233	*12	..	..	*34
	2016	190	..	767	192	223	*12	..	..	*35
	2017	..	..	781	180	*291	2	..	..	60
	2018	..	..	794	178	288	0	..	..	60
Philippines	2015	..	..	306	..	..	..	..	..	1,118
	2016	..	..	256	..	..	..	..	..	1,278
	2017	..	..	200	..	..	..	..	..	1,266
	2018	..	..	241	..	16	..	..	..	1,496
Qatar	2015	60	..	3,775	..	..	..	..	..	507
	2016	61	..	3,997	..	..	..	..	..	740
	2017	58	..	5,592	..	..	..	..	..	1,019
	2018	58	..	4,965	..	..	..	..	..	2,338

Table 23

## Production of minor oil products from refineries - by type

Thousand metric tons

Country or area	Year	Refinery gas	Ethane	Naphtha	Lubricants	Bitumen	Paraffin waxes	Petroleum coke	White spirit and SBP	Other oil products
Saudi Arabia	2015	3,975	..	7,868	..	3,570	..	4,863	..	*388
	2016	4,291	..	8,669	..	3,016	..	14,477	..	*397
	2017	4,300	..	8,499	..	2,778	..	15,231	..	*610
	2018	4,248	..	6,877	..	2,326	..	15,299	..	1,307
Singapore	2015	2,633	..	1,856	2,847	2,893	12	114	192	391
	2016	3,155	..	3,667	3,162	3,432	20	137	232	699
	2017	3,251	..	4,494	3,230	2,945	28	245	705	1,035
	2018	3,107	..	2,898	3,110	2,871	76	232	677	410
Sri Lanka	2015	14	..	137	..	0	..	..	2	..
	2016	14	..	144	..	0	..	..	1	..
	2017	13	..	142	..	0	..	..	1	..
	2018	13	..	141	..	..	..	..	2	..
Syrian Arab Republic	2015	87	..	535	24	298	..	..	..	16
	2016	94	..	577	26	321	..	..	..	17
	2017	104	..	641	29	356	..	..	..	19
	2018	98	..	600	27	334	..	..	..	18
Tajikistan	2015	..	..	*12	..	2	..	..	..	..
	2016	..	..	*9	..	3	..	..	..	..
	2017	..	..	..	..	3	..	..	..	..
	2018	..	..	..	..	3	..	..	..	..
Thailand	2015	563	..	10,733	..	1,420	..	..	..	1,690
	2016	550	..	10,478	..	1,364	..	..	..	1,651
	2017	569	..	10,430	..	1,361	..	..	..	1,139
	2018	570	..	10,437	..	1,377	..	..	..	1,140
Turkey	2015	1,391	..	273	130	2,877	..	500	450	404
	2016	1,541	..	320	128	3,436	..	733	12	342
	2017	1,354	..	343	187	3,496	..	934	7	917
	2018	1,004	..	375	218	2,981	32	868	5	720
Turkmenistan	2015	130	..	..	..	..	..	..	..	370
	2016	120	..	..	..	..	..	..	..	370
	2017	112	..	..	..	..	..	..	..	370
	2018	106	..	..	..	..	..	..	..	370
United Arab Emirates	2015	411	..	10,432	*64	..	..	..	..	1,241
	2016	*422	..	11,782	181	..	..	..	..	1,620
	2017	447	..	11,407	477	..	..	..	..	779
	2018	437	..	11,963	578	..	..	..	..	1,332
Uzbekistan	2015	88	..	..	60	128	9	33	14	..
	2016	86	..	..	76	152	12	31	11	..
	2017	94	..	..	84	138	27	29	12	..
	2018	114	..	..	98	153	21	39	31	..
Viet Nam	2015	..	..	..	..	..	..	..	..	..
	2016	..	..	..	..	..	..	..	..	18
	2017	..	..	..	..	..	..	..	..	144
	2018	..	..	..	20	..	..	..	..	254
Yemen	2015	..	..	218	..	7	..	..	..	..
	2016	..	..	174	..	6	..	..	..	..
	2017	..	..	205	..	7	..	..	..	..
	2018	..	..	273	..	9	..	..	..	..
<b>Europe</b>	<b>2015</b>	<b>39,420</b>	<b>2,975</b>	<b>67,220</b>	<b>10,965</b>	<b>26,599</b>	<b>884</b>	<b>14,862</b>	<b>2,353</b>	<b>24,361</b>
	<b>2016</b>	<b>38,255</b>	<b>2,047</b>	<b>67,069</b>	<b>10,945</b>	<b>27,195</b>	<b>731</b>	<b>15,850</b>	<b>2,867</b>	<b>25,853</b>
	<b>2017</b>	<b>38,188</b>	<b>1,534</b>	<b>73,357</b>	<b>14,644</b>	<b>26,391</b>	<b>932</b>	<b>16,306</b>	<b>2,798</b>	<b>28,033</b>
	<b>2018</b>	<b>37,854</b>	<b>1,927</b>	<b>73,134</b>	<b>18,751</b>	<b>26,473</b>	<b>1,096</b>	<b>16,006</b>	<b>1,894</b>	<b>31,099</b>

Table 23

## Production of minor oil products from refineries - by type

Thousand metric tons

Country or area	Year	Refinery gas	Ethane	Naphtha	Lubricants	Bitumen	Paraffin waxes	Petroleum coke	White spirit and SBP	Other oil products
Albania	2015	*12	..	26	..	83	..	19	..	92
	2016	*6	..	4	..	84	..	14	..	56
	2017	19	..	40	..	77	..	105	..	103
	2018	9	..	29	..	26	..	58	..	66
Austria	2015	282	..	941	0	290	..	60	..	19
	2016	218	..	961	0	333	..	71	..	26
	2017	262	..	804	..	306	..	59	..	27
	2018	281	..	1,028	..	369	..	71	..	21
Belarus	2015	757	..	..	..	637	..	..	..	1,029
	2016	632	..	..	..	677	..	..	..	806
	2017	617	..	..	..	852	..	..	..	1,028
	2018	709	..	..	..	781	..	..	..	1,245
Belgium	2015	816	..	2,262	0	1,095	..	334	..	4,676
	2016	860	..	2,443	..	1,271	..	315	..	3,903
	2017	916	..	2,319	..	395	..	305	..	3,698
	2018	824	..	2,611	..	..	..	400	..	2,488
Bosnia and Herzegovina	2015	..	..	10	56	162	..	..	..	*22
	2016	..	..	7	37	152	..	..	..	21
	2017	..	..	7	51	171	..	..	..	20
	2018	..	..	7	40	146	..	..	..	19
Bulgaria	2015	263	..	300	..	102	..	85	4	2
	2016	310	..	366	..	23	..	93	4	9
	2017	331	..	448	..	16	..	98	4	9
	2018	294	..	372	..	84	..	75	3	4
Croatia	2015	208	..	52	13	0	..	53	..	120
	2016	155	..	64	11	1	..	53	..	208
	2017	185	..	52	11	..	..	74	..	115
	2018	187	..	39	11	1	..	58	..	106
Czechia	2015	156	..	657	92	440	10	90	..	781
	2016	101	..	394	84	363	10	62	..	494
	2017	145	..	840	85	551	12	102	..	817
	2018	140	..	930	95	566	11	89	..	669
Denmark	2015	319	..	..	..	..	..	..	..	..
	2016	287	..	..	..	..	..	..	..	..
	2017	306	..	..	..	..	..	..	..	..
	2018	301	..	..	..	..	..	..	..	..
Finland	2015	508	..	220	257	248	..	114	123	..
	2016	592	..	133	308	231	..	128	116	..
	2017	573	..	103	296	139	..	117	130	5
	2018	586	..	70	305	225	..	100	140	38
France	2015	1,348	2	5,209	633	1,819	90	527	40	802
	2016	1,322	9	4,974	603	1,706	73	542	38	917
	2017	1,282	20	5,301	719	2,047	97	485	58	963
	2018	1,167	7	5,387	571	2,056	71	481	85	859
Germany	2015	3,839	..	7,978	2,477	3,525	142	1,886	2	1,099
	2016	3,937	..	7,860	2,367	4,065	122	1,887	1	1,190
	2017	4,051	..	7,635	2,508	4,289	94	1,911	259	1,393
	2018	3,742	..	6,373	2,460	4,083	219	1,715	174	1,238
Greece	2015	615	..	1,471	274	1,075	..	473	..	1,080
	2016	662	..	1,657	225	748	..	597	..	1,156
	2017	664	..	1,616	249	907	..	483	..	1,462
	2018	839	..	1,795	281	1,142	..	583	..	1,271

Table 23

## Production of minor oil products from refineries - by type

Thousand metric tons

Country or area	Year	Refinery gas	Ethane	Naphtha	Lubricants	Bitumen	Paraffin waxes	Petroleum coke	White spirit and SBP	Other oil products
Hungary	2015	180	..	904	124	487	37	402	13	695
	2016	173	..	1,008	134	518	35	380	20	610
	2017	174	..	862	133	440	42	309	24	640
	2018	207	..	1,036	135	404	34	330	19	752
Ireland	2015	85	..	34	..	..	..	..	..	..
	2016	72	..	77	..	..	..	..	..	..
	2017	75	..	94	..	..	..	..	..	..
	2018	76	..	35	..	..	..	..	..	..
Italy	2015	2,975	..	2,667	1,311	3,182	98	1,463	3	2,807
	2016	2,559	..	2,436	1,368	2,557	108	834	3	3,936
	2017	2,718	..	6,391	1,554	2,772	145	1,033	4	2,563
	2018	2,790	..	5,108	1,347	2,554	100	759	3	2,907
Lithuania	2015	330	..	..	46	137	..	115	..	84
	2016	346	..	..	56	166	..	127	..	95
	2017	352	..	..	66	209	..	119	..	94
	2018	332	..	..	72	242	..	121	..	94
Netherlands	2015	2,277	..	8,567	547	483	116	395	188	834
	2016	2,243	..	10,159	16	225	3	403	322	1,831
	2017	2,099	..	10,993	0	216	78	388	121	2,378
	2018	1,942	..	11,572	..	330	174	391	114	2,319
Norway	2015	466	..	1,705	..	..	..	216	..	..
	2016	420	..	1,111	..	..	..	473	..	..
	2017	482	..	1,236	..	..	..	217	..	..
	2018	478	..	1,281	..	..	..	485	..	..
Poland	2015	594	..	1,919	592	1,480	77	..	116	1,488
	2016	663	..	1,810	651	1,427	86	..	130	1,362
	2017	542	..	1,935	452	1,452	76	..	89	1,246
	2018	623	..	2,000	472	1,494	87	..	113	1,164
Portugal	2015	13	..	1,179	131	167	13	..	26	932
	2016	8	..	1,146	121	164	10	..	24	976
	2017	9	..	1,321	136	196	10	..	16	886
	2018	11	..	1,018	116	132	9	..	16	775
Republic of Moldova	2015	..	..	..	0	..	..	..	..	0
	2016	..	..	..	0	..	..	..	..	1
	2017	..	..	..	..	..	..	..	..	3
	2018	..	..	..	0	0	..	..	0	1
Romania	2015	734	..	282	..	81	..	740	111	198
	2016	787	..	184	..	91	..	843	128	96
	2017	783	..	230	..	96	..	909	126	196
	2018	788	..	193	..	102	..	838	132	254
Russian Federation	2015	16,323	*2,938	26,455	3,234	6,246	190	2,347	1,319	*1,333
	2016	15,590	*2,038	25,946	3,720	7,633	178	3,229	1,721	*1,623
	2017	15,318	*1,514	26,485	7,041	6,693	251	3,727	1,705	4,245
	2018	*15,350	1,920	27,236	11,480	6,912	246	3,829	845	9,267
Serbia	2015	57	..	359	9	333	..	14	..	208
	2016	65	..	359	12	333	..	13	..	171
	2017	53	..	441	11	360	..	13	..	197
	2018	59	..	449	13	416	..	12	..	188
Slovakia	2015	541	35	415	..	0	..	58	..	182
	2016	549	0	384	..	..	..	53	..	146
	2017	572	..	472	..	..	..	59	..	153
	2018	528	..	397	..	..	..	55	..	127

Table 23

## Production of minor oil products from refineries - by type

Thousand metric tons

Country or area	Year	Refinery gas	Ethane	Naphtha	Lubricants	Bitumen	Paraffin waxes	Petroleum coke	White spirit and SBP	Other oil products
Spain	2015	2,364	..	1,240	396	2,491	84	3,660	257	2,709
	2016	2,366	..	1,194	409	2,471	95	3,782	265	2,575
	2017	2,346	..	1,368	399	2,483	88	3,823	255	2,338
	2018	2,236	..	1,756	415	2,630	90	3,802	243	2,319
Sweden	2015	768	..	0	350	945	..	63	..	1,805
	2016	739	..	86	383	961	..	69	..	2,082
	2017	733	..	83	378	870	..	59	..	1,800
	2018	822	..	188	355	733	..	69	..	122
Switzerland	2015	124	..	0	..	..	..	11	..	40
	2016	123	..	0	..	..	..	0	..	33
	2017	121	..	1	..	..	..	..	..	37
	2018	131	..	16	..	..	..	..	..	45
Ukraine	2015	123	..	..	73	101	..	..	..	247
	2016	26	..	..	90	27	..	..	..	430
	2017	36	..	..	112	37	..	..	..	599
	2018	35	..	..	147	170	..	..	..	1,282
United Kingdom	2015	2,343	..	2,368	350	990	27	1,737	151	1,077
	2016	2,444	..	2,306	350	968	11	1,882	95	1,100
	2017	2,424	..	2,280	443	817	39	1,910	7	1,018
	2018	2,368	..	2,209	436	875	55	1,685	7	1,459
<b>Oceania</b>	<b>2015</b>	<b>1,184</b>	<b>..</b>	<b>578</b>	<b>0</b>	<b>221</b>	<b>..</b>	<b>471</b>	<b>71</b>	<b>221</b>
	<b>2016</b>	<b>1,009</b>	<b>..</b>	<b>850</b>	<b>0</b>	<b>316</b>	<b>..</b>	<b>424</b>	<b>76</b>	<b>230</b>
	<b>2017</b>	<b>1,021</b>	<b>..</b>	<b>838</b>	<b>..</b>	<b>202</b>	<b>..</b>	<b>374</b>	<b>66</b>	<b>167</b>
	<b>2018</b>	<b>1,058</b>	<b>..</b>	<b>833</b>	<b>..</b>	<b>164</b>	<b>..</b>	<b>321</b>	<b>72</b>	<b>88</b>
Australia	2015	898	..	363	0	119	..	471	71	140
	2016	762	..	341	0	172	..	424	76	141
	2017	757	..	318	..	124	..	374	66	79
	2018	808	..	310	..	98	..	321	72	11
New Zealand	2015	286	..	..	..	102	..	..	..	76
	2016	247	..	..	..	144	..	..	..	75
	2017	264	..	..	..	78	..	..	..	75
	2018	250	..	..	..	66	..	..	..	64
Papua New Guinea	2015	..	..	215	..	..	..	..	..	5
	2016	..	..	509	..	..	..	..	..	14
	2017	..	..	520	..	..	..	..	..	13
	2018	..	..	*523	..	..	..	..	..	*13