

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

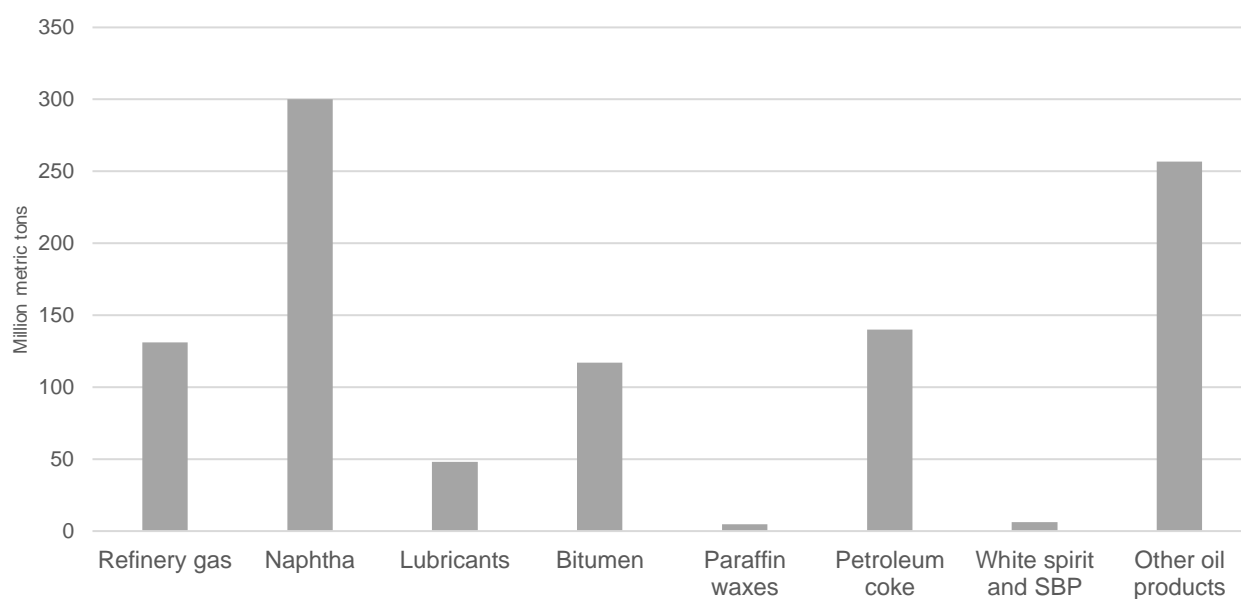
Thousand metric tons

### 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, 2019\***



\*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	2016	129,019	2,119	281,399	37,216	114,474	3,490	150,634	8,778	180,593
	2017	124,722	1,650	291,928	42,123	115,852	4,619	153,856	8,850	195,989
	2018	128,972	2,055	297,748	47,560	115,795	4,687	150,689	6,654	227,466
	2019	130,959	2,021	300,081	48,181	116,904	4,729	140,057	6,158	254,814
Africa	2016	680	..	11,125	482	1,488	10	581	116	1,508
	2017	1,257	..	10,529	551	1,437	10	563	115	1,660
	2018	1,227	..	10,675	572	1,410	10	522	96	2,409
	2019	1,305	..	10,014	585	1,353	10	543	87	1,117
Algeria	2016	..	..	7,929	*55	*144	..	..	..	*236
	2017	..	..	8,143	*73	*127	..	..	..	*184
	2018	..	..	7,634	*98	*115	..	..	..	*134
	2019	..	..	7,268	110	*110	..	..	..	*158
Angola	2016	*79	..	305	..	3	..	..	..	200
	2017	74	..	278	..	16	..	..	..	162
	2018	53	..	244	..	12	..	..	..	207
	2019	74	..	333	..	23	..	..	..	..
Cameroon	2016	67	..	..	..	..	..	..	..	155
	2017	55	..	..	..	..	..	..	..	128
	2018	50	..	..	..	..	..	..	..	116
	2019	26	..	..	..	..	..	..	..	60
Chad	2016	..	..	..	*1	*1	..	*36	..	*14
	2017	..	..	..	*1	*1	..	*36	..	*14
	2018	..	..	..	*1	*1	..	*36	..	*14
	2019	..	..	..	*1	*1	..	*37	..	*15
Congo	2016	..	..	8	..	..	..	..	..	30
	2017	..	..	9	..	..	..	..	..	19
	2018	..	..	9	..	..	..	..	..	19
	2019	..	..	10	..	..	..	..	..	19
Côte d'Ivoire	2016	25	..	..	29	236	..	..	..	..
	2017	19	..	..	36	249	..	..	..	..
	2018	20	..	..	46	259	..	..	..	..
	2019	23	..	..	20	136	..	..	..	..
Egypt	2016	*125	..	1,790	*273	*605	..	*237	..	*343
	2017	136	..	450	297	658	..	257	..	373
	2018	130	..	737	286	633	..	248	..	1,352
	2019	142	..	833	312	691	..	271	..	393
Gabon	2016	..	..	..	11	2	..	..	..	..
	2017	..	..	..	10	2	..	..	..	..
	2018	..	..	..	9	2	..	..	..	..
	2019	..	..	..	8	2	..	..	..	..
Libya	2016	81	..	518	..	21	..	..	..	4
	2017	97	..	667	..	25	..	..	..	5
	2018	113	..	948	..	29	..	..	..	6
	2019	96	..	790	..	25	..	..	..	5
Niger	2016	..	..	..	..	..	..	..	..	..
	2017	..	..	..	..	..	..	..	..	19
	2018	..	..	..	..	..	..	..	..	19
	2019	..	..	..	..	..	..	..	..	17
Nigeria	2016	77	..	82	..	7	..	9	..	475
	2017	102	..	342	..	0	..	12	..	720
	2018	57	..	158	..	5	..	7	..	492
	2019	12	..	35	..	4	..	1	..	401

## 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	2016	23	..	87	..	..	..	..	..	..
	2017	15	..	123	..	..	..	..	..	..
	2018	13	..	76	..	..	..	..	..	..
	2019	12	..	71	..	..	..	..	..	..
South Africa	2016	166	..	166	113	468	10	..	106	39
	2017	723	..	420	133	359	10	..	104	25
	2018	758	..	618	132	354	10	..	83	37
	2019	886	..	632	135	362	10	..	85	36
Sudan	2016	24	..	11	..	..	..	299	..	..
	2017	20	..	4	..	..	..	258	..	..
	2018	*20	..	9	..	..	..	231	..	..
	2019	*20	..	*9	..	..	..	*234	..	..
Tunisia	2016	2	..	230	..	..	..	..	10	..
	2017	4	..	93	..	..	..	..	11	..
	2018	..	..	241	..	..	..	..	13	..
	2019	..	..	33	..	..	..	..	2	..
Zambia	2016	11	..	..	..	..	..	..	..	11
	2017	12	..	..	..	..	..	..	..	12
	2018	13	..	..	..	..	..	..	..	13
	2019	14	..	..	..	..	..	..	..	14
<b>America, North</b>	<b>2016</b>	<b>22,227</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>20,583</b>	<b>116</b>	<b>12,974</b>	<b>10,455</b>	<b>26,089</b>	<b>245</b>	<b>62,760</b>	<b>1,714</b>	<b>15,791</b>
	<b>2018</b>	<b>20,525</b>	<b>128</b>	<b>13,629</b>	<b>10,897</b>	<b>25,929</b>	<b>239</b>	<b>62,082</b>	<b>1,633</b>	<b>16,586</b>
	<b>2019</b>	<b>21,011</b>	<b>107</b>	<b>11,902</b>	<b>10,323</b>	<b>25,441</b>	<b>227</b>	<b>59,564</b>	<b>1,412</b>	<b>21,679</b>
Canada	2016	3,259	..	3,892	954	4,763	..	1,378	74	2,441
	2017	2,645	..	1,749	1,038	5,176	..	1,266	95	2,681
	2018	2,948	..	1,939	1,127	5,420	..	1,301	82	3,372
	2019	3,824	..	1,170	1,598	5,414	..	1,838	49	9,487
Cuba	2016	5	..	232	50	57	..	8	..	..
	2017	3	..	289	51	58	..	2	..	..
	2018	4	..	301	51	63	..	1	..	..
	2019	5	..	*292	*46	38	..	1	..	..
Curaçao	2016	169	..	353	103	121	..	152	..	304
	2017	106	..	63	64	76	..	95	..	190
	2018	52	..	48	32	37	..	47	..	93
	2019	0	..	0	0	0	..	0	..	0
Dominican Republic	2016	13	..	..	..	..	..	..	..	..
	2017	10	..	..	..	..	..	..	..	..
	2018	14	..	..	..	..	..	..	..	..
	2019	11	..	..	..	..	..	..	..	..
Guatemala	2016	..	..	..	..	14	..	..	..	..
	2017	..	..	..	..	38	..	..	..	..
	2018	..	..	..	..	97	..	..	..	..
	2019	..	..	..	..	146	..	..	..	..
Jamaica	2016	..	..	51	..	20	..	..	..	..
	2017	..	..	40	..	18	..	..	..	..
	2018	..	..	0	..	*10	..	..	..	..
	2019	..	..	0	..	*10	..	..	..	..
Mexico	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	155	805	26	1,030	..	93
	2019	2,319	..	2,201	56	792	24	1,819	..	94

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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	2016	17	..	..	..	19	..	..	12	..
	2017	18	..	..	..	17	..	..	14	..
	2018	15	..	..	..	21	..	..	13	..
	2019	24	..	..	..	4	..	..	10	..
Trinidad and Tobago	2016	59	..	0	..	9	..	..	..	71
	2017	52	..	0	..	12	..	..	..	309
	2018	88	..	..	..	11	..	..	..	50
	2019	..	..	..	..	..	..	..	..	..
United States	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
	2019	14,827	107	8,239	8,623	19,037	203	55,906	1,352	12,098
<b>America, South</b>	<b>2016</b>	<b>7,485</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>7,469</b>	<b>..</b>	<b>6,017</b>	<b>1,181</b>	<b>3,121</b>	<b>56</b>	<b>9,880</b>	<b>515</b>	<b>7,557</b>
	<b>2018</b>	<b>7,210</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>6,566</b>
	<b>2019</b>	<b>6,402</b>	<b>..</b>	<b>6,437</b>	<b>1,253</b>	<b>2,780</b>	<b>53</b>	<b>8,784</b>	<b>432</b>	<b>6,927</b>
Argentina	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	..
	2019	925	..	640	218	328	8	1,462	196	..
Bolivia (Plur. State of)	2016	97	..	1	25	2	..	..	80	..
	2017	91	..	0	24	2	..	..	52	..
	2018	87	..	0	22	1	..	..	50	..
	2019	74	..	0	39	1	..	..	10	..
Brazil	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
	2019	4,022	..	3,250	784	1,722	..	5,029	224	2,448
Chile	2016	203	..	48	..	..	..	365	..	744
	2017	211	..	75	..	..	..	446	..	579
	2018	215	..	64	..	..	..	443	..	608
	2019	242	..	137	..	..	..	464	..	431
Colombia	2016	..	..	814	141	345	37	583	..	1,362
	2017	..	..	1,070	142	279	37	681	..	1,035
	2018	..	..	1,164	139	263	37	953	..	439
	2019	..	..	942	139	198	37	891	..	1,493
Ecuador	2016	2	..	..	..	..	..	..	..	920
	2017	2	..	..	..	..	..	..	..	923
	2018	1	..	..	..	..	..	..	..	848
	2019	1	..	..	..	..	..	..	..	824
Peru	2016	137	..	..	..	..	..	..	..	239
	2017	151	..	..	..	..	..	..	..	274
	2018	139	..	..	..	..	..	..	..	276
	2019	149	..	..	..	..	..	..	..	248
Suriname	2016	..	..	..	..	5	..	..	..	..
	2017	..	..	..	..	5	..	..	..	..
	2018	..	..	..	..	4	..	..	..	..
	2019	..	..	..	..	10	..	..	..	..
Uruguay	2016	62	..	..	..	40	..	38	2	..
	2017	18	..	..	..	26	..	10	0	..
	2018	58	..	..	..	102	..	37	2	..
	2019	54	..	..	..	75	..	31	2	..

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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.)	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
	2019	934	..	1,468	73	445	8	907	..	1,484
<b>Asia</b>	<b>2016</b>	<b>59,364</b>	<b>0</b>	<b>180,672</b>	<b>14,835</b>	<b>56,279</b>	<b>2,440</b>	<b>59,360</b>	<b>3,530</b>	<b>128,966</b>
	<b>2017</b>	<b>56,202</b>	<b>0</b>	<b>188,213</b>	<b>15,291</b>	<b>58,612</b>	<b>3,375</b>	<b>63,685</b>	<b>3,644</b>	<b>142,779</b>
	<b>2018</b>	<b>61,107</b>	..	<b>193,420</b>	<b>16,058</b>	<b>58,646</b>	<b>3,288</b>	<b>62,136</b>	<b>2,469</b>	<b>170,718</b>
	<b>2019</b>	<b>63,498</b>	..	<b>200,687</b>	<b>15,219</b>	<b>60,409</b>	<b>3,410</b>	<b>54,451</b>	<b>2,226</b>	<b>192,440</b>
Afghanistan	2016	..	..	..	..	*10	..	..	..	..
	2017	..	..	..	..	*12	..	..	..	..
	2018	..	..	..	..	*20	..	..	..	..
	2019	..	..	..	..	*12	..	..	..	..
Azerbaijan	2016	231	..	174	10	179	..	207	..	380
	2017	214	..	169	39	237	..	227	..	585
	2018	214	..	205	52	290	..	244	..	606
	2019	242	..	*243	36	260	..	238	..	626
Bahrain	2016	..	..	1,565	..	450	..	..	..	441
	2017	..	..	1,494	..	298	..	..	..	568
	2018	..	..	1,655	..	316	..	..	..	551
	2019	..	..	1,706	..	331	..	..	..	489
Bangladesh	2016	13	..	132	17	65	..	..	3	17
	2017	16	..	161	19	79	..	..	4	21
	2018	14	..	97	20	58	..	..	5	21
	2019	15	..	101	23	70	..	..	3	11
Brunei Darussalam	2016	10	..	..	..	..	..	..	..	..
	2017	3	..	..	..	..	..	..	..	..
	2018	18	..	..	..	..	..	..	..	..
	2019	14	..	..	..	..	..	..	..	243
China	2016	18,923	..	50,324	1,474	21,716	2,122	25,909	2,325	87,822
	2017	19,825	..	53,339	1,998	25,828	2,982	28,217	1,712	96,284
	2018	20,132	..	60,255	2,206	26,877	2,795	26,636	1,088	118,749
	2019	21,879	..	66,201	2,324	29,704	3,089	28,388	824	149,225
Georgia	2016	..	..	..	..	..	..	..	..	..
	2017	..	..	3	..	..	..	..	..	..
	2018	..	..	3	..	..	..	..	..	..
	2019	..	..	4	..	..	..	..	..	..
India	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
	2019	*15,470	..	*19,399	932	5,244	*96	15,528	..	18,384
Indonesia	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
	2019	*694	..	1,619	326	100	19	550	19	*4,096
Iran (Islamic Rep. of)	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
	2019	1,543	..	3,103	1,797	4,872	..	..	552	779
Iraq	2016	137	..	480	45	88	1	..	..	..
	2017	164	..	571	52	140	110	..	..	113
	2018	192	..	442	53	143	112	..	..	123
	2019	206	..	2,069	77	208	4	..	..	167

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Thousand metric tons

Country or area	Year	Refinery gas	Ethane	Naphtha	Lubricants	Bitumen	Paraffin waxes	Petroleum coke	White spirit and SBP	Other oil products
Israel	2016	616	..	1,095	..	280	..	..	..	541
	2017	569	..	1,201	..	310	..	..	..	458
	2018	567	..	1,153	..	308	..	..	..	588
	2019	615	..	1,383	..	264	..	..	..	401
Japan	2016	6,557	..	14,656	2,201	3,249	58	1,267	74	2,327
	2017	6,515	..	13,175	1,958	3,051	64	1,320	72	2,222
	2018	6,356	..	12,385	2,181	2,854	70	1,345	71	2,192
	2019	5,833	..	12,546	2,013	2,744	71	1,075	62	2,038
Jordan	2016	*36	..	..	24	238	..	..	..	*4
	2017	*33	..	..	23	226	..	..	..	*4
	2018	42	..	..	19	127	..	..	..	*3
	2019	*40	..	..	20	45	..	..	..	*3
Kazakhstan	2016	111	..	..	53	605	..	311	..	..
	2017	161	..	..	24	809	..	474	0	..
	2018	177	..	..	26	926	..	530	6	..
	2019	264	..	..	32	989	..	507	9	..
Korea, Republic of	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
	2019	4,729	..	36,758	2,567	5,043	19	634	472	2,708
Kuwait	2016	383	..	7,120	..	99	..	..	..	560
	2017	310	..	5,675	..	118	..	..	..	454
	2018	322	..	5,613	..	183	..	..	..	471
	2019	288	..	5,561	..	241	..	..	..	..
Kyrgyzstan	2016	..	..	..	..	..	..	..	..	..
	2017	..	..	..	..	..	..	..	..	..
	2018	..	..	..	..	35	..	..	..	..
	2019	..	..	..	..	2	..	..	..	..
Malaysia	2016	198	..	2,744	972	197	93	265	..	..
	2017	172	..	2,356	368	171	23	166	..	..
	2018	128	..	1,818	279	405	32	20	..	..
	2019	113	..	*1,506	*231	*335	*27	17	..	..
Myanmar	2016	..	..	..	..	..	1	13	..	5
	2017	..	..	..	..	..	0	12	..	5
	2018	..	..	..	..	..	0	9	..	4
	2019	..	..	..	..	..	0	11	..	0
Oman	2016	93	..	482	46	..	..	..	..	192
	2017	124	..	939	62	..	..	..	..	357
	2018	149	..	1,375	75	..	..	..	..	1,068
	2019	136	..	1,374	68	..	..	..	..	1,043
Other Asia	2016	2,096	..	7,074	610	664	..	1,266	63	668
	2017	1,887	..	7,667	672	547	..	1,175	59	839
	2018	2,295	..	8,696	551	630	..	1,276	35	957
	2019	2,331	..	8,587	663	665	..	1,228	36	954
Pakistan	2016	190	..	767	192	223	*12	..	..	*35
	2017	..	..	781	180	*291	2	..	..	60
	2018	33	..	794	178	288	0	..	..	60
	2019	21	..	570	176	193	2	..	..	*30
Philippines	2016	..	..	256	..	..	..	..	..	1,278
	2017	..	..	200	..	..	..	..	..	1,266
	2018	..	..	241	..	16	..	..	..	1,496
	2019	..	..	161	..	47	..	..	..	782

## 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
Qatar	2016	61	..	3,997	..	..	..	..	..	740
	2017	58	..	5,592	..	..	..	..	..	527
	2018	58	..	4,965	..	..	..	..	..	720
	2019	63	..	4,689	..	..	..	..	..	1,730
Saudi Arabia	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
	2019	*3,704	..	5,819	..	2,365	..	4,805	..	*503
Singapore	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	216	410
	2019	2,978	..	4,296	3,184	2,746	75	224	206	350
Sri Lanka	2016	14	..	144	..	0	..	..	1	..
	2017	13	..	142	..	0	..	..	1	..
	2018	13	..	141	..	..	..	..	2	..
	2019	15	..	162	..	..	..	..	2	..
Syrian Arab Republic	2016	94	..	577	26	321	..	..	..	17
	2017	104	..	641	29	356	..	..	..	19
	2018	98	..	600	27	334	..	..	..	18
	2019	84	..	518	23	288	..	..	..	15
Tajikistan	2016	..	..	*9	..	3	..	..	..	..
	2017	..	..	..	..	3	..	..	..	..
	2018	..	..	..	..	3	..	..	..	..
	2019	..	..	..	..	3	..	..	..	..
Thailand	2016	546	..	10,478	..	1,364	..	..	..	1,637
	2017	565	..	10,430	..	1,361	..	..	..	1,130
	2018	565	..	10,431	..	1,377	..	..	..	1,131
	2019	507	..	9,445	..	1,257	..	..	..	1,014
Turkey	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
	2019	1,084	..	1,138	125	2,248	..	1,213	11	1,901
Turkmenistan	2016	120	..	..	..	..	..	..	..	370
	2017	112	..	..	..	..	..	..	..	370
	2018	106	..	..	..	..	..	..	..	370
	2019	104	..	..	..	..	..	..	..	370
United Arab Emirates	2016	*422	..	11,782	181	..	..	..	..	1,620
	2017	447	..	11,407	477	..	..	..	..	779
	2018	437	..	11,963	578	..	..	..	..	1,332
	2019	413	..	11,291	541	..	..	..	..	4,114
Uzbekistan	2016	86	..	..	76	152	12	31	11	..
	2017	94	..	..	84	138	27	29	12	..
	2018	114	..	..	98	153	21	39	31	..
	2019	*114	..	..	60	117	8	32	30	..
Viet Nam	2016	..	..	..	..	..	..	..	..	18
	2017	..	..	..	..	..	..	..	..	144
	2018	..	..	..	20	..	..	..	..	254
	2019	..	..	..	..	..	..	..	..	465
Yemen	2016	..	..	174	..	6	..	..	..	..
	2017	..	..	229	..	8	..	..	..	..
	2018	..	..	273	..	9	..	..	..	..
	2019	..	..	438	..	15	..	..	..	..

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
<b>Europe</b>	<b>2016</b>	<b>38,254</b>	<b>2,047</b>	<b>67,069</b>	<b>10,945</b>	<b>27,195</b>	<b>734</b>	<b>15,850</b>	<b>2,867</b>	<b>25,865</b>
	<b>2017</b>	<b>38,189</b>	<b>1,534</b>	<b>73,357</b>	<b>14,645</b>	<b>26,392</b>	<b>933</b>	<b>16,593</b>	<b>2,796</b>	<b>28,034</b>
	<b>2018</b>	<b>37,845</b>	<b>1,927</b>	<b>73,133</b>	<b>18,749</b>	<b>26,471</b>	<b>1,097</b>	<b>16,007</b>	<b>1,893</b>	<b>31,099</b>
	<b>2019</b>	<b>37,678</b>	<b>1,914</b>	<b>70,276</b>	<b>20,801</b>	<b>26,704</b>	<b>1,029</b>	<b>16,476</b>	<b>1,921</b>	<b>30,358</b>
Albania	2016	*6	..	4	..	84	..	14	..	56
	2017	19	..	40	..	77	..	105	..	103
	2018	9	..	29	..	26	..	58	..	66
	2019	7	..	23	..	105	..	54	..	58
Austria	2016	218	..	961	0	333	..	71	..	26
	2017	262	..	804	0	306	..	59	..	27
	2018	281	..	1,028	0	369	..	71	..	21
	2019	316	..	1,006	0	395	..	67	..	23
Belarus	2016	632	..	..	..	677	..	..	..	806
	2017	617	..	..	..	852	..	..	..	1,028
	2018	697	..	..	..	781	..	..	..	1,245
	2019	713	..	..	..	819	..	..	..	1,021
Belgium	2016	860	..	2,443	..	1,271	..	315	..	3,903
	2017	916	..	2,319	..	395	..	305	..	3,698
	2018	824	..	2,611	..	..	..	400	..	2,488
	2019	685	..	2,769	..	..	..	1,047	..	3,830
Bosnia and Herzegovina	2016	..	..	7	37	152	..	..	..	21
	2017	..	..	7	51	171	..	..	..	20
	2018	..	..	7	40	146	..	..	..	19
	2019	..	..	1	16	4	..	..	..	..
Bulgaria	2016	310	..	366	..	23	..	93	4	9
	2017	331	..	448	..	16	..	98	4	9
	2018	294	..	372	..	84	..	75	3	4
	2019	374	..	487	..	105	..	85	3	2
Croatia	2016	155	..	64	11	1	..	53	..	208
	2017	185	..	52	11	..	..	74	..	115
	2018	187	..	39	11	1	..	58	..	106
	2019	129	..	14	10	..	..	67	..	25
Czechia	2016	101	..	394	84	363	10	62	..	494
	2017	145	..	840	85	551	12	102	..	817
	2018	140	..	930	95	566	11	89	..	669
	2019	148	..	911	92	547	9	99	..	636
Denmark	2016	287	..	..	..	..	..	..	..	..
	2017	306	..	..	..	..	..	..	..	..
	2018	301	..	..	..	..	..	..	..	..
	2019	320	..	..	..	..	..	..	..	..
Finland	2016	591	..	133	308	231	..	128	116	..
	2017	574	..	103	296	139	..	117	130	5
	2018	586	..	70	305	225	..	100	140	38
	2019	632	..	133	299	218	..	109	155	46
France	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
	2019	1,178	9	4,267	555	1,976	63	387	68	821
Germany	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
	2019	3,835	..	6,662	2,282	3,915	306	1,705	414	1,337



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
Greece	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
	2019	776	..	1,618	251	1,549	..	505	..	1,389
Hungary	2016	173	..	1,008	134	518	35	380	20	625
	2017	174	..	862	133	440	42	309	24	640
	2018	207	..	1,036	135	404	34	330	19	752
	2019	206	..	880	124	407	31	317	16	783
Ireland	2016	72	..	77	..	..	..	..	..	..
	2017	74	..	94	..	..	..	..	..	..
	2018	76	..	35	..	..	..	..	..	..
	2019	62	..	42	..	..	..	..	..	..
Italy	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
	2019	2,733	..	4,965	755	2,750	83	769	3	2,379
Lithuania	2016	346	..	..	56	166	..	127	..	95
	2017	352	..	..	66	209	..	119	..	94
	2018	332	..	..	72	242	..	121	..	94
	2019	302	..	..	86	372	..	122	..	86
Netherlands	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	1,946	..	11,572	..	330	174	391	114	2,319
	2019	2,295	..	11,446	561	252	55	443	82	2,591
Norway	2016	420	..	1,111	..	..	..	473	..	..
	2017	482	..	1,236	..	..	..	504	..	..
	2018	478	..	1,281	..	..	..	485	..	..
	2019	426	..	1,329	..	..	..	363	..	..
Poland	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
	2019	702	..	2,020	415	1,485	87	30	107	1,340
Portugal	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
	2019	13	..	1,091	103	171	8	..	8	729
Republic of Moldova	2016	..	..	..	0	..	..	..	..	1
	2017	..	..	..	..	..	..	..	..	3
	2018	..	..	..	0	0	..	..	0	1
	2019	..	..	..	..	0	..	..	..	1
Romania	2016	787	..	184	..	91	..	843	128	96
	2017	783	..	230	..	96	..	909	126	196
	2018	788	..	193	..	102	..	838	132	254
	2019	842	..	181	..	120	..	846	138	247
Russian Federation	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
	2019	*15,400	*1,905	25,783	14,144	7,069	243	3,971	717	6,275
Serbia	2016	65	..	359	12	333	..	13	..	171
	2017	53	..	441	11	360	..	13	..	197
	2018	59	..	449	13	416	..	12	..	188
	2019	62	..	398	14	398	..	12	..	203

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
Slovakia	2016	549	0	384	..	..	..	53	..	146
	2017	572	..	472	..	..	..	59	..	153
	2018	528	..	397	..	..	..	55	..	127
	2019	494	..	430	..	..	..	38	..	148
Spain	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
	2019	2,113	..	1,438	354	2,373	78	3,604	202	2,474
Sweden	2016	739	..	86	383	961	..	69	..	2,082
	2017	733	..	83	378	870	..	59	..	1,800
	2018	822	..	188	355	733	..	69	..	122
	2019	489	..	293	297	760	..	42	..	1,728
Switzerland	2016	123	..	0	..	..	..	0	..	33
	2017	121	..	1	..	..	..	..	..	37
	2018	131	..	16	..	..	..	..	..	45
	2019	119	..	19	..	..	..	..	..	30
Ukraine	2016	26	..	..	90	27	..	..	..	430
	2017	36	..	..	112	37	..	..	..	599
	2018	35	..	..	147	170	..	..	..	1,282
	2019	41	..	..	150	23	..	..	..	432
United Kingdom	2016	2,444	..	2,306	350	968	14	1,882	95	1,097
	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
	2019	2,266	..	2,072	293	892	68	1,793	8	1,726
<b>Oceania</b>	<b>2016</b>	<b>1,009</b>	..	<b>850</b>	<b>0</b>	<b>316</b>	..	<b>424</b>	<b>76</b>	<b>230</b>
	<b>2017</b>	<b>1,021</b>	..	<b>838</b>	..	<b>202</b>	..	<b>374</b>	<b>66</b>	<b>167</b>
	<b>2018</b>	<b>1,058</b>	..	<b>743</b>	..	<b>164</b>	..	<b>321</b>	<b>72</b>	<b>88</b>
	<b>2019</b>	<b>1,065</b>	..	<b>765</b>	..	<b>219</b>	..	<b>238</b>	<b>82</b>	<b>2,293</b>
Australia	2016	762	..	341	0	172	..	424	76	141
	2017	757	..	318	..	124	..	374	66	79
	2018	808	..	310	..	98	..	321	72	11
	2019	807	..	310	..	93	..	238	82	1,877
New Zealand	2016	247	..	..	..	144	..	..	..	75
	2017	264	..	..	..	78	..	..	..	75
	2018	250	..	..	..	66	..	..	..	64
	2019	258	..	..	..	125	..	..	..	402
Papua New Guinea	2016	..	..	509	..	..	..	..	..	14
	2017	..	..	520	..	..	..	..	..	13
	2018	..	..	433	..	..	..	..	..	14
	2019	..	..	*454	..	..	..	..	..	*14