

Nº Índice	Denominación Química Internacional	Nº CE	Nº CAS	Clasificación		Etiquetado			Límites de concentración específicos y factores M	Notas
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648-030-00-9	Tar bases, coal, picoline fraction; Distillate Bases; [Pyridine bases boiling in the range of approximately 125 oC to 160 oC (257oF to 320oF) obtained by distillation of neutralized acid extract of the base-containing tar fraction obtained by the distillation of bituminous coal tars. Composed chiefly of lutidines and picolines.]	295-548-2	92062-33-4	Carc. 1B	H350	GHS08 Dgr	H350			H J
648-031-00-4	Tar bases, coal, lutidine fraction; Distillate Bases	293-766-2	91082-52-9	Carc. 1B	H350	GHS08 Dgr	H350			H J
648-032-00-X	Extract oils (coal), tar base, collidine fraction; Distillate Bases; [The extract produced by the acidic extraction of bases from crude coal tar aromatic oils, neutralization, and distillation of the bases. Composed primarily of collidines, aniline, toluidines, lutidines, xylidines.]	273-077-3	68937-63-3	Carc. 1B	H350	GHS08 Dgr	H350			H J
648-033-00-5	Tar bases, coal, collidine fraction; Distillate Bases; [The distillation fraction boiling in the range of approximately 181 oC to 186 oC (356oF to 367oF) from the crude bases obtained from the neutralized, acid-extracted base-containing tar fractions obtained by the distillation of bituminous coal tar. It contains chiefly aniline and collidines.]	295-543-5	92062-28-7	Carc. 1B	H350	GHS08 Dgr	H350			H J
648-034-00-0	Tar bases, coal, aniline fraction; Distillate Bases; [The distillation fraction boiling in the range of approximately 180 oC to 200 oC (356oF to 392oF) from the crude bases obtained by dephenolating and debasing the carbolated oil from the distillation of coal tar. It contains chiefly aniline, collidines, lutidines and toluidines.]	295-541-4	92062-27-6	Carc. 1B	H350	GHS08 Dgr	H350			H J

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648-035-00-6	Tar bases, coal, toluidine fraction; Distillate Bases	293-767-8	91082-53-0	Carc. 1B	H350	GHS08 Dgr	H350			H J
648-036-00-1	Distillates (petroleum), alkene-alkyne manuf. pyrolysis oil, mixed with high-temp. coal tar, indene fraction; Redistillates; [A complex combination of hydrocarbons obtained as a redistillate from the fractional distillation of bituminous coal high temperature tar and residual oils that are obtained by the pyrolytic production of alkenes and alkynes from petroleum products or natural gas. It consists predominantly of indene and boils in a range of approximately 160 oC to 190 oC (320oF to 374oF).]	295-292-1	91995-31-2	Carc. 1B	H350	GHS08 Dgr	H350			H J
648-037-00-7	Distillates (coal), coal tar-residual pyrolysis oils, naphthalene oils; Redistillates; [The redistillate obtained from the fractional distillation of bituminous coal high temperature tar and pyrolysis residual oils and boiling in the range of approximately 190 oC to 270 oC (374oF to 518oF). Composed primarily of substituted dinuclear aromatics.]	295-295-8	91995-35-6	Carc. 1B	H350	GHS08 Dgr	H350			H J
648-038-00-2	Extract oils (coal), coal tar-residual pyrolysis oils, naphthalene oil, redistillate; Redistillates; [The redistillate from the fractional distillation of dephenolated and debased methylnaphthalene oil obtained from bituminous coal high temperature tar and pyrolysis residual oils boiling in the approximate range of 220 oC to 230 oC (428oF to 446oF). It consists predominantly of unsubstituted and substituted dinuclear aromatic hydrocarbons.]	295-329-1	91995-66-3	Carc. 1B	H350	GHS08 Dgr	H350			H J

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648-039-00-8	Extract oils (coal), coal tar-residual pyrolysis oils, naphthalene oils; Redistillates; [A neutral oil obtained by debasing and dephenolating the oil obtained from the distillation of high temperature tar and pyrolysis residual oils which has a boiling range of 225 oC to 255 oC (437oF to 491oF). Composed primarily of substituted dinuclear aromatic hydrocarbons.]	310-170-0	122070-79-5	Carc. 1B	H350	GHS08 Dgr	H350			H J
648-040-00-3	Extract oils (coal), coal tar residual pyrolysis oils, naphthalene oil, distn. residues; Redistillates; [Residue from the distillation of dephenolated and debased methylnaphthalene oil (from bituminous coal tar and pyrolysis residual oils) with a boiling range of 240 oC to 260 oC (464oF to 500oF). Composed primarily of substituted dinuclear aromatic and heterocyclic hydrocarbons.]	310-171-6	122070-80-8	Carc. 1B	H350	GHS08 Dgr	H350			H J
648-041-00-9	Absorption oils, bicyclo arom. and heterocyclic hydrocarbon fraction; Wash Oil Redistillate; [A complex combination of hydrocarbons obtained as a redistillate from the distillation of wash oil. It consists predominantly of 2-ringed aromatic and heterocyclic hydrocarbons boiling in the range of approximately 260 oC to 290 oC (500oF to 554oF).]	309-851-5	101316-45-4	Carc. 1B	H350	GHS08 Dgr	H350			H M
648-042-00-4	Distillates (coal tar), upper, fluorene-rich; Wash Oil Redistillate; [A complex combination of hydrocarbons obtained by the crystallization of tar oil. It consists of aromatic and polycyclic hydrocarbons primarily fluorene and some acenaphthene.]	284-900-0	84989-11-7	Carc. 1B	H350	GHS08 Dgr	H350			H M

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648-043-00-X	Creosote oil, acenaphthene fraction, acenaphthene-free; Wash Oil Redistillate; [The oil remaining after removal by a crystallization process of acenaphthene from acenaphthene oil from coal tar. Composed primarily of naphthalene and alkylnaphthalenes.]	292-606-9	90640-85-0	Carc. 1B	H350	GHS08 Dgr	H350			H
648-044-00-5	Distillates (coal tar), heavy oils; Heavy Anthracene Oil; [Distillate from the fractional distillation of coal tar of bituminous coal, with boiling range of 240 oC to 400 oC (464oF to 752oF). Composed primarily of tri- and polynuclear hydrocarbons and heterocyclic compounds.]	292-607-4	90640-86-1	Carc. 1B	H350	GHS08 Dgr	H350			H
648-045-00-0	Distillates (coal tar), upper; Heavy Anthracene Oil; [The distillate from coal tar having an approximate distillation range of 220 oC to 450 oC (428oF to 842oF). Composed primarily of three to four membered condensed ring aromatic hydrocarbons and other hydrocarbons.]	266-026-1	65996-91-0	Carc. 1B	H350	GHS08 Dgr	H350			H M
648-046-00-6	Anthracene oil, acid ext.; Anthracene Oil Extract Residue; [A complex combination of hydrocarbons from the base-freed fraction obtained from the distillation of coal tar and boiling in the range of approximately 325 oC to 365 oC (617oF to 689oF). It contains predominantly anthracene and phenanthrene and their alkyl derivatives.]	295-274-3	91995-14-1	Carc. 1B	H350	GHS08 Dgr	H350			H M

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648-047-00-1	Distillates (coal tar); Heavy Anthracene Oil; [The distillate from coal tar having an approximate distillation range of 100 oC to 450 oC (212oF to 842oF). Composed primarily of two to four membered condensed ring aromatic hydrocarbons, phenolic compounds, and aromatic nitrogen bases.]	266-027-7	65996-92-1	Carc. 1B	H350	GHS08 Dgr	H350			H M
648-048-00-7	Distillates (coal tar), pitch, heavy oils; Heavy Anthracene Oil; [The distillate from the distillation of the pitch obtained from bituminous high temperature tar. Composed primarily of tri- and polynuclear aromatic hydrocarbons and boiling in the range of approximately 300 oC to 470 oC (572oF to 878oF). The product may also contain heteroatoms.]	295-312-9	91995-51-6	Carc. 1B	H350	GHS08 Dgr	H350			H M
648-049-00-2	Distillates (coal tar), pitch; Heavy Anthracene Oil; [The oil obtained from condensation of the vapors from the heat treatment of pitch. Composed primarily of two- to four-ring aromatic compounds boiling in the range of 200 oC to greater than 400 oC (392oF to greater than 752oF).]	309-855-7	101316-49-8	Carc. 1B	H350	GHS08 Dgr	H350			H M
648-050-00-8	Distillates (coal tar), heavy oils, pyrene fraction; Heavy Anthracene Oil Redistillate; [The redistillate obtained from the fractional distillation of pitch distillate boiling in the range of approximately 350 oC to 400 oC (662oF to 752oF). Consists predominantly of tri- and polynuclear aromatics and heterocyclic hydrocarbons.]	295-304-5	91995-42-5	Carc. 1B	H350	GHS08 Dgr	H350			H M

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648-051-00-3	Distillates (coal tar), pitch, pyrene fraction; Heavy Anthracene Oil Redistillate; [The redistillate obtained from the fractional distillation of pitch distillate and boiling in the range of approximately 380 oC to 410 oC (7160 to 770oF). Composed primarily of tri- and polynuclear aromatic hydrocarbons and heterocyclic compounds.]	295-313-4	91995-52-7	Carc. 1B	H350	GHS08 Dgr	H350			H M
648-052-00-9	Paraffin waxes (coal), brown-coal high-temp. tar, carbon-treated; Coal Tar Extract; [A complet combination of hydrocarbons obtained by the treatment of lignite carbonization tar with activated carbon for removal of trace constituents and impurities. It consists predominantly of saturated straight and branched chain hydrocarbons having carbon numbers predominantly greater than C ₁₂ .]	308-296-6	97926-76-6	Carc. 1B	H350	GHS08 Dgr	H350			H M
648-053-00-4	Paraffin waxes (coal), brown-coal high-temp tar, clay-treated; Coal Tar Extract; [A complex combination of hydrocarbons obtained by the treatment of lignite carbonization tar with bentonite for removal of trace constituents and impurities. It consists predominantly of saturated straight and branched chain hydrocarbons having carbon numbers predominantly greater than C ₁₂ .]	308-297-1	97926-77-7	Carc. 1B	H350	GHS08 Dgr	H350			H M
648-054-00-X	Pitch; Pitch	263-072-4	61789-60-4	Carc. 1B	H350	GHS08 Dgr	H350			H M

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648-055-00-5	Pitch, coal tar, high-temp.; Pitch; [The residue from the distillation of high temperature coal tar. A black solid with an approximate softening point from 30 oC to 180 oC (86oF to 356oF). Composed primarily of a complex mixture of three or more membered condensed ring aromatic hydrocarbons.]	266-028-2	65996-93-2	Carc. 1B	H350	GHS08 Dgr	H350			H
648-056-00-0	Pitch, coal tar, high-temp., heat-treated; Pitch; [The heat treated residue from the distillation of high temperature coal tar. A black solid with an approximate softening point from 80 oC to 180 oC (176oF to 356oF). Composed primarily of a complex mixture of three or more membered condensed ring aromatic hydrocarbons.]	310-162-7	121575-60-8	Carc. 1B	H350	GHS08 Dgr	H350			H M
648-057-00-6	Pitch, coal tar, high-temp., secondary; Pitch Redistillate; [The residue obtained during the distillation of high boiling fractions from bituminous coal high temperature tar and/or pitch coke oil, with a softening point of 140 oC to 170 oC (284oF to 392oF) according to DIN 52025. Composed primarily of tri- and polynuclear aromatic compounds which also contain heteroatoms.]	302-650-3	94114-13-3	Carc. 1B	H350	GHS08 Dgr	H350			H M
648-058-00-1	Residues (coal tar), pitch distn.; Pitch Redistillate; [Residue from the fractional distillation of pitch distillate boiling in the range of approximately 400 oC to 470 oC (752oF to 846oF). Composed primarily of polynuclear aromatic hydrocarbons, and heterocyclic compounds.]	295-507-9	92061-94-4	Carc. 1B	H350	GHS08 Dgr	H350			H M

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648-059-00-7	Tar, coal, high-temp., distn. and storage residues; Coal Tar Solids Residue; [Coke- and ash-containing solid residues that separate on distillation and thermal treatment of bituminous coal high temperature tar in distillation installations and storage vessels. Consists predominantly of carbon and contains a small quantity of hetero compounds as well as ash components.]	295-535-1	92062-20-9	Carc. 1B	H350	GHS08 Dgr	H350			H M
648-060-00-2	Tar, coal, storage residues; Coal Tar Solids Residue; [The deposit removed from crude coal tar storages. Composed primarily of coal tar and carbonaceous particulate matter.]	293-764-1	91082-50-7	Carc. 1B	H350	GHS08 Dgr	H350			H M
648-061-00-8	Tar, coal, high-temp., residues; Coal Tar Solids Residue; [Solids formed during the coking of bituminous coal to produce crude bituminous coal high temperature tar. Composed primarily of coke and coal particles, highly aromatized compounds and mineral substances.]	309-726-5	100684-51-3	Carc. 1B	H350	GHS08 Dgr	H350			H M
648-062-00-3	Tar, coal, high-temp., high-solids; Coal Tar Solids Residue; [The condensation product obtained by cooling, to approximately ambient temperature, the gas evolved in the high temperature (greater than 700 oC (1292oF)) destructive distillation of coal. Composed primarily of a complex mixture of condensed ring aromatic hydrocarbons with a high solid content of coal-type materials.]	273-615-7	68990-61-4	Carc. 1B	H350	GHS08 Dgr	H350			H M
648-063-00-9	Waste solids, coal-tar pitch coking; Coal Tar Solids Residue; [The combination of wastes formed by the coking of bituminous coal tar pitch. It consists predominantly of carbon.]	295-549-8	92062-34-5	Carc. 1B	H350	GHS08 Dgr	H350			H M

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648-064-00-4	Extract residues (coal), brown; Coal Tar Extract; [The residue from extraction of dried coal.]	294-285-0	91697-23-3	Carc. 1B	H350	GHS08 Dgr	H350			H M
648-065-00-X	Paraffin waxes (coal), brown-coal-high-temp. tar; Coal Tar Extract; [A complex combination of hydrocarbons obtained from lignite carbonization tar by solvent crystallisation (solvent deoiling), by sweating or an adducting process. It consists predominantly of straight and branched chain saturated hydrocarbons having carbon numbers predominantly greater than C ₁₂ .]	295-454-1	92045-71-1	Carc. 1B	H350	GHS08 Dgr	H350			H M
648-066-00-5	Paraffin waxes (coal), brown-coal-high-temp. tar, hydrotreated; Coal Tar Extract; [A complex combination of hydrocarbons obtained from lignite carbonization tar by solvent crystallisation (solvent deoiling), by sweating or an adducting process treated with hydrogen in the presence of a catalyst. It consists predominantly of straight and branched chain saturated hydrocarbons having carbon numbers predominantly greater than C ₁₂ .]	295-455-7	92045-72-2	Carc. 1B	H350	GHS08 Dgr	H350			H M
648-067-00-0	Paraffin waxes (coal), brown-coal high-temp tar, silicic acid-treated; Coal Tar Extract; [A complex combination of hydrocarbons obtained by the treatment of lignite carbonization tar with silicic acid for removal of trace constituents and impurities. It consists predominantly of saturated straight and branched chain hydrocarbons having carbon numbers predominantly greater than C ₁₂ .]	308-298-7	97926-78-8	Carc. 1B	H350	GHS08 Dgr	H350			H M

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648-068-00-6	Tar, coal, low-temp., distn. residues; Tar Oil, intermediate boiling; [Residues from fractional distillation of low temperature coal tar to remove oils that boil in a range up to approximately 300 oC (572oF). Composed primarily of aromatic compounds.]	309-887-1	101316-85-2	Carc. 1B	H350	GHS08 Dgr	H350			H M
648-069-00-1	Pitch, coal tar, low-temp; Pitch Residue; [A complex black solid or semi-solid obtained from the distillation of a low temperature coal tar. It has a softening point within the approximate range of 40 oC to 180 oC (104oF to 356oF). Composed primarily of a complex mixture of hydrocarbons.]	292-651-4	90669-57-1	Carc. 1B	H350	GHS08 Dgr	H350			H M
648-070-00-7	Pitch, coal tar, low-temp., oxidized; Pitch Residue, oxidised; [The product obtained by air-blowing, at elevated temperature, low-temperature coal tar pitch. It has a softening-point within the approximate range of 70 oC to 180 oC (158oF to 356oF). Composed primarily of a complex mixture of hydrocarbons.]	292-654-0	90669-59-3	Carc. 1B	H350	GHS08 Dgr	H350			H M
648-071-00-2	Pitch, coal tar, low-temp., heat-treated; Pitch Residue, oxidised; Pitch Residue, heat-treated; [A complex black solid obtained by the heat treatment of low temperature coal tar pitch. It has a softening point within the approximate range of 50 oC to 140 oC (122oF to 284oF). Composed primarily of a complex mixture of aromatic compounds.]	292-653-5	90669-58-2	Carc. 1B	H350	GHS08 Dgr	H350			H M

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648-072-00-8	Distillates (coal-petroleum), condensed-ring arom; Distillates; [The distillate from a mixture of coal and tar and aromatic petroleum streams having an approximate distillation range of 220 oC to 450 oC (428oF to 842oF). Composed primarily of 3- to 4-membered condensed ring aromatic hydrocarbons.]	269-159-3	68188-48-7	Carc. 1B	H350	GHS08 Dgr	H350			H M
648-073-00-3	Aromatic hydrocarbons, C ₂₀₋₂₈ , polycyclic, mixed coal-tar pitch-polyethylene-polypropylene pyrolysis-derived; Pyrolysis Products; [A complex combination hydrocarbons obtained from mixed coal tar pitch-polyethylene-polypropylene pyrolysis. Composed primarily of polycyclic aromatic hydrocarbons having carbon numbers predominantly in the range of C ₂₀ through C ₂₈ and having a softening point of 100 oC to 220 oC (212oF to 428oF) according to DIN 52025.]	309-956-6	101794-74-5	Carc. 1B	H350	GHS08 Dgr	H350			H M
648-074-00-9	Aromatic hydrocarbons, C ₂₀₋₂₈ , polycyclic, mixed coal-tar pitch-polyethylene pyrolysis-derived; Pyrolysis Products; [A complex combination of hydrocarbons obtained from mixed coal tar pitch-polyethylene pyrolysis. Composed primarily of polycyclic aromatic hydrocarbons having carbon numbers predominantly in the range of C ₂₀ through C ₂₈ and having a softening point of 100 oC to 220 oC (212oF to 428oF) according to DIN 52025.]	309-957-1	101794-75-6	Carc. 1B	H350	GHS08 Dgr	H350			H M

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648-075-00-4	Aromatic hydrocarbons, C ₂₀₋₂₈ , polycyclic, mixed coal-tar pitch-polystyrene pyrolysis-derived; Pyrolysis Products; [A complex combination of hydrocarbons obtained from mixed coal tar pitch-polystyrene pyrolysis. Composed primarily of polycyclic aromatic hydrocarbons having carbon numbers predominantly in the range of C ₂₀ through C ₂₈ and having a softening point of 100 oC to 220 oC (212oF to 428oF) according to DIN 52025.]	309-958-7	101794-76-7	Carc. 1B	H350	GHS08 Dgr	H350			H M
648-076-00-X	Pitch, coal tar-petroleum; Pitch Residues; [The residue from the distillation of a mixture of coal tar and aromatic petroleum streams. A solid with a softening point from 40 oC to 180 oC (140oF to 356oF). Composed primarily of a complex combination of three or more membered condensed ring aromatic hydrocarbons.]	269-109-0	68187-57-5	Carc. 1B	H350	GHS08 Dgr	H350			H M
648-077-00-5	Phenanthrene, distn. residues; Heavy Anthracene Oil Redistillate; [Residue from the distillation of crude phenanthrene boiling in the approximate range of 340 oC to 420 oC (644oF to 788oF). It consists predominantly of phenanthrene, anthracene and carbazole.]	310-169-5	122070-78-4	Carc. 1B	H350	GHS08 Dgr	H350			H M
648-078-00-0	Distillates (coal tar), upper, fluorene-free; Wash Oil Redistillate; [A complex combination of hydrocarbons obtained by the crystallization of tar oil. It consists of aromatic polycyclic hydrocarbons, primarily diphenyl, dibenzofuran and acenaphthene.]	284-899-7	84989-10-6	Carc. 1B	H350	GHS08 Dgr	H350			H M

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648-079-00-6	Anthracene oil; Anthracene oil; [A complex combination of polycyclic aromatic hydrocarbons obtained from coal tar having an approximate distillation range of 300 oC to 400 oC (572oF to 752oF). Composed primarily of phenanthrene, anthracene and carbazole.]	292-602-7	90640-80-5	Carc. 1B	H350	GHS08 Dgr	H350			H M
648-080-00-1	Residues (coal tar), creosote oil distn.; Wash Oil Redistillate; [The residue from the fractional distillation of wash oil boiling in the approximate range of 270 oC to 330 oC (518oF to 626oF). It consists predominantly of dinuclear aromatic and heterocyclic hydrocarbons.]	295-506-3	92061-93-3	Carc. 1B	H350	GHS08 Dgr	H350			H
648-081-00-7	Tar, coal; Coal tar; [The by-product from the destructive distillation of coal. Almost black semisolid. A complex combination of aromatic hydrocarbons, phenolic compounds, nitrogen bases and thiophene.]	232-361-7	8007-45-2	Carc. 1A	H350	GHS08 Dgr	H350			H
648-082-00-2	Tar, coal, high-temp.; Coal tar; [The condensation product obtained by cooling, to approximately ambient temperature, the gas evolved in the high temperature (greater than 700 oC (1292oF)) destructive distillation of coal. A black viscous liquid denser than water. Composed primarily of a complex mixture of condensed ring aromatic hydrocarbons. May contain minor amounts of phenolic compounds and aromatic nitrogen bases.]	266-024-0	65996-89-6	Carc. 1A	H350	GHS08 Dgr	H350			H

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648-083-00-8	Tar, coal, low-temp.; Coal oil; [The condensation product obtained by cooling, to approximately ambient temperature, the gas evolved in low temperature (less than 700 oC (1292oF)) destructive distillation of coal. A black viscous liquid denser than water. Composed primarily of condensed ring aromatic hydrocarbons, phenolic compounds, aromatic nitrogen bases, and their alkyl derivatives.]	266-025-6	65996-90-9	Carc. 1A	H350	GHS08 Dgr	H350			H
648-084-00-3	Distillates (coal), coke-oven light oil, naphthalene cut; Naphthalene Oil; [The complex combination of hydrocarbons obtained from prefractionation (continuous distillation) of coke oven light oil. It consists predominantly of naphthalene, coumarone and indene and boils above 148 oC (298oF).]	285-076-5	85029-51-2	Carc. 1B	H350	GHS08 Dgr	H350			HJM
648-085-00-9	Distillates (coal tar), naphthalene oils; Naphthalene Oil; [A complex combination of hydrocarbons obtained by the distillation of coal tar. It consists primarily of aromatic and other hydrocarbons, phenolic compounds and aromatic nitrogen compounds and distills in the approximate range of 200 oC to 250 oC (392oF to 482oF).]	283-484-8	84650-04-4	Carc. 1B	H350	GHS08 Dgr	H350			HJM
648-086-00-4	Distillates (coal tar), naphthalene oils, naphthalene-low; Naphthalene Oil Redistillate; [A complex combination of hydrocarbons obtained by crystallization of naphthalene oil. Composed primarily of naphthalene, alkyl naphthalenes and phenolic compounds.]	284-898-1	84989-09-3	Carc. 1B	H350	GHS08 Dgr	H350			HJM

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648-087-00-X	Distillates (coal tar), naphthalene oil crystn. mother liquor; Naphthalene Oil Redistillate; [A complex combination of organic compounds obtained as a filtrate from the crystallization of the naphthalene fraction from coal tar and boiling in the range of approximately 200 oC to 230 oC (392oF to 446oF). Contains chiefly naphthalene, thionaphthene and alkyl naphthalenes.]	295-310-8	91995-49-2	Carc. 1B	H350	GHS08 Dgr	H350			HJM
648-088-00-5	Extract residues (coal), naphthalene oil, alk.; Naphthalene Oil Extract Residue; [A complex combination of hydrocarbons obtained from the alkali washing of naphthalene oil to remove phenolic compounds (tar acids). It is composed of naphthalene and alkyl naphthalenes.]	310-166-9	121620-47-1	Carc. 1B	H350	GHS08 Dgr	H350			HJM
648-089-00-0	Extract residues (coal), naphthalene oil, alk., naphthalene-low; Naphthalene Oil Extract Residue; [A complex combination of hydrocarbons remaining after the removal of naphthalene from alkali-washed naphthalene oil by a crystallization process. It is composed primarily of naphthalene and alkyl naphthalenes.]	310-167-4	121620-48-2	Carc. 1B	H350	GHS08 Dgr	H350			HJM
648-090-00-6	Distillates (coal tar), naphthalene oils, naphthalene-free, alk. exts.; Naphthalene Oil Extract Residue; [The oil remaining after the removal of phenolic compounds (tar acids) from drained naphthalene oil by an alkali wash. Composed primarily of naphthalene and alkyl naphthalenes.]	292-612-1	90640-90-7	Carc. 1B	H350	GHS08 Dgr	H350			HJM

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648-091-00-1	Extract residues (coal), naphthalene oil alk., distn. overheads; Naphthalene Oil Extract Residue; [The distillation from alkali-washed naphthalene oil having an approximate distillation range of 180 oC to 220 oC (356oF to 428oF). Composed primarily of naphthalene, alkylbenzenes, indene and indan.]	292-627-3	90641-04-6	Carc. 1B	H350	GHS08 Dgr	H350			HJM
648-092-00-7	Distillates (coal tar), naphthalene oils, methylnaphthalene fraction; Methylnaphthalene Oil; [A distillate from the fractional distillation of high temperature coal tar. Composed primarily of substituted two ring aromatic hydrocarbons and aromatic nitrogen bases boiling in the range of approximately 225 oC to 255 oC (437oF to 491oF).]	309-985-4	101896-27-9	Carc. 1B	H350	GHS08 Dgr	H350			HJM
648-093-00-2	Distillates (coal tar), naphthalene oils, indole-methylnaphthalene fraction; Methylnaphthalene Oil; [A distillate from the fractional distillation of high temperature coal tar. Composed primarily of indole and methylnaphthalene boiling in the range of approximately 235 oC to 255 oC (455oF to 491oF).]	309-972-3	101794-91-6	Carc. 1B	H350	GHS08 Dgr	H350			HJM
648-094-00-8	Distillates (coal tar), naphthalene oils, acid exts.; Methylnaphthalene Oil Extract Residue; [A complex combination of hydrocarbons obtained by debasing the methylnaphthalene fraction obtained by the distillation of coal tar and boiling in the range of approximately 230 oC to 255 oC (446oF to 491oF). Contains chiefly 1(2)-methylnaphthalene, naphthalene, dimethylnaphthalene and biphenyl.]	295-309-2	91995-48-1	Carc. 1B	H350	GHS08 Dgr	H350			HJM

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648-095-00-3	Extract residues (coal), naphthalene oil alk., distn. residues; Methylnaphthalene Oil Extract Residue; [The residue from the distillation of alkali-washed naphthalene oil having an approximate distillation range of 220 oC to 300 oC (428oF to 572oF). Composed primarily of naphthalene, alkyl naphthalenes and aromatic nitrogen bases.]	292-628-9	90641-05-7	Carc. 1B	H350	GHS08 Dgr	H350			HJM
648-096-00-9	Extract oils (coal), acidic, tar-base free; Methylnaphthalene Oil Extract Residue; [The extract oil boiling in the range of approximately 220 oC to 265 oC (428oF to 509oF) from coal tar alkaline extract residue produced by an acidic wash such as aqueous sulfuric acid after distillation to remove tar bases. Composed primarily of alkyl naphthalenes.]	284-901-6	84989-12-8	Carc. 1B	H350	GHS08 Dgr	H350			HJM
648-097-00-4	Distillates (coal tar), benzole fraction, distn. residues; Wash Oil; [A complex combination of hydrocarbons obtained from the distillation of crude benzole (high temperature coal tar). It may be a liquid with the approximate distillation range of 150 oC to 300 oC (302oF to 572oF) or a semi-solid or solid with a melting point up to 70 oC (158oF). It is composed primarily of naphthalene and alkyl naphthalenes.]	310-165-3	121620-46-0	Carc. 1B	H350	GHS08 Dgr	H350			HJM
648-098-00-X	Creosote oil, acenaphthene fraction; Wash Oil; [A complex combination of hydrocarbons produced by the distillation of coal tar and boiling in the range of approximately 240 oC to 280 oC (464oF to 536oF). Composed primarily of acenaphthene, naphthalene and alkyl naphthalene.]	292-605-3	90640-84-9	Carc. 1B	H350	GHS08 Dgr	H350			H

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648-099-00-5	Creosote oil; [A complex combination of hydrocarbons obtained by the distillation of coal tar. It consists primarily of aromatic hydrocarbons and may contain appreciable quantities of tar acids and tar bases. It distills at the approximate range of 200 oC to 325 oC (392oF to 617oF).]	263-047-8	61789-28-4	Carc. 1B	H350	GHS08 Dgr	H350			H
648-100-00-9	Creosote oil, high-boiling distillate; Wash Oil; [The high-boiling distillation fraction obtained from the high temperature carbonization of bituminous coal which is further refined to remove excess crystalline salts. It consists primarily of creosote oil with some of the normal polynuclear aromatic salts, which are components of coal tar distillates, removed. It is crystal free at approximately 5 oC (41oF).]	274-565-9	70321-79-8	Carc. 1B	H350	GHS08 Dgr	H350			H
648-101-00-4	Creosote; [The distillate of coal tar produced by the high temperature carbonization of bituminous coal. It consists primarily of aromatic hydrocarbons, tar acids and tar bases.]	232-287-5	8001-58-9	Carc. 1B	H350	GHS08 Dgr	H350			H
648-102-00-X	Extract residues (coal), creosote oil acid; Wash Oil Extract Residue; [A complex combination of hydrocarbons from the base-freed fraction from the distillation of coal tar, boiling in the range of approximately 250 oC to 280 oC (482oF to 536oF). It consists predominantly of biphenyl and isomeric diphenylnaphthalenes.]	310-189-4	122384-77-4	Carc. 1B	H350	GHS08 Dgr	H350			H
648-103-00-5	Anthracene oil, anthracene paste; Anthracene Oil Fraction; [The anthracene-rich solid obtained by the crystallization and centrifuging of anthracene oil. It is composed primarily of anthracene, carbazole and phenanthrene.]	292-603-2	90640-81-6	Carc. 1B	H350	GHS08 Dgr	H350			HJM

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648-104-00-0	Anthracene oil, anthracene-low; Anthracene Oil Fraction; [The oil remaining after the removal, by a crystallization process, of an anthracene-rich solid (anthracene paste) from anthracene oil. It is composed primarily of two, three and four membered aromatic compounds.]	292-604-8	90640-82-7	Carc. 1B	H350	GHS08 Dgr	H350			HJM
648-105-00-6	Residues (coal tar), anthracene oil distn.; Anthracene Oil Fraction; [The residue from the fraction distillation of crude anthracene boiling in the approximate range of 340 oC to 400 oC (644oF to 752oF). It consists predominantly of tri- and polynuclear aromatic and heterocyclic hydrocarbons.]	295-505-8	92061-92-2	Carc. 1B	H350	GHS08 Dgr	H350			HJM
648-106-00-1	Anthracene oil, anthracene paste, anthracene fraction; Anthracene Oil Fraction; [A complex combination of hydrocarbons from the distillation of anthracene obtained by the crystallization of anthracene oil from bituminous high temperature tar and boiling in the range of 330 oC to 350 oC (626oF to 662oF). It contains chiefly anthracene, carbazole and phenanthrene.]	295-275-9	91995-15-2	Carc. 1B	H350	GHS08 Dgr	H350			HJM
648-107-00-7	Anthracene oil, anthracene paste, carbazole fraction; Anthracene Oil Fraction; [A complex combination of hydrocarbons from the distillation of anthracene obtained by crystallization of anthracene oil from bituminous coal high temperature tar and boiling in the approximate range of 350 oC to 360 oC (662oF to 680oF). It contains chiefly anthracene, carbazole and phenanthrene.]	295-276-4	91995-16-3	Carc. 1B	H350	GHS08 Dgr	H350			HJM

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648-108-00-2	Anthracene oil, anthracene paste, distn. lights; Anthracene Oil Fraction; [A complex combination of hydrocarbons from the distillation of anthracene obtained by crystallization of anthracene oil from bituminous light temperature tar and boiling in the range of approximately 290 oC to 340 oC (554oF to 644oF). It contains chiefly trinuclear aromatics and their dihydro derivatives.]	295-278-5	91995-17-4	Carc. 1B	H350	GHS08 Dgr	H350			HJM
648-109-00-8	Tar oils, coal, low-temp.; Tar Oil, high boiling; [A distillate from low-temperature coal tar. Composed primarily of hydrocarbons, phenolic compounds and aromatic nitrogen bases boiling in the range of approximately 160 oC to 340 oC (320oF to 644oF).]	309-889-2	101316-87-4	Carc. 1B	H350	GHS08 Dgr	H350			HJM
648-110-00-3	Extract residues (coal), low temp. coal atar alk.; [The residue from low temperature coal tar oils after an alkaline wash, such as aqueous sodium hydroxide, to remove crude coal tar acids. Composed primarily of hydrocarbons and aromatic nitrogen bases.]	310-191-5	122384-78-5	Carc. 1B	H350	GHS08 Dgr	H350			HJM
648-111-00-9	Phenols, ammonia liquor ext.; Alkaline Extract; [The combination of phenols extracted, using isobutyl acetate, from the ammonia liquor condensed from the gas evolved in low-temperature (less than 700 oC (1292oF)) destructive distillation of coal. It consists predominantly of a mixture of monohydric and dihydric phenols.]	284-881-9	84988-93-2	Carc. 1B	H350	GHS08 Dgr	H350			HJM

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648-112-00-4	Distillates (coal tar), light oils, alk. exts.; Alkaline Extract; [The aqueous extract from carbolic oil produced by an alkaline wash such as aqueous sodium hydroxide. Composed primarily of the alkali salts of various phenolic compounds.]	292-610-0	90640-88-3	Carc. 1B	H350	GHS08 Dgr	H350			HJM
648-113-00-X	Extracts, coal tar oil alk.; Alkaline Extract; [The extract from coal tar oil produced by an alkaline wash such as aqueous sodium hydroxide. Composed primarily of the alkali salts of various phenolic compounds.]	266-017-2	65996-83-0	Carc. 1B	H350	GHS08 Dgr	H350			HJM
648-114-00-5	Distillates (coal tar), naphthalene oils, alk. exts.; Alkaline Extract; [The aqueous extract from naphthalene oil produced by an alkaline wash such as aqueous sodium hydroxid. Composed primarily of the alkali salts of various phenolic compounds.]	292-611-6	90640-89-4	Carc. 1B	H350	GHS08 Dgr	H350			HJM
648-115-00-0	Extract residues (coal), tar oil alk., carbonated, limed; Crude Phenols; [The product obtained by treatment of coal tar oil alkaline extract with CO ₂ and CaO. Composed primarily of CaCO ₃ , Ca(OH) ₂ , Na ₂ CO ₃ and other organic and inorganic impurities.]	292-629-4	90641-06-8	Carc. 1B	H350	GHS08 Dgr	H350			HJM
648-116-00-6	Tar acids, coal, crude; Crude Phenols; [The reaction product obtained by neutralizing coal tar oil alkaline extract with an acidic solution, such as aqueous sulfuric acid, or gaseous carbon dioxide, to obtain the free acids. Composed primarily of tar acids such as phenol, cresols, and xlenols.]	266-019-3	65996-85-2	Carc. 1B	H350	GHS08 Dgr	H350			HJM

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648-117-00-1	Tar acids, brown-coal, crude; Crude Phenols; [An acidified alkaline extract of brown coal tar distillate. Composed primarily of phenol and phenol homologs.]	309-888-7	101316-86-3	Carc. 1B	H350	GHS08 Dgr	H350			HJM
648-118-00-7	Tar acids, brown-coal gasification; Crude Phenols; [A complex combination of organic compounds obtained from brown coal gasification. Composed primarily of C ₆₋₁₀ hydroxy aromatic phenols and their homologs.]	295-536-7	92062-22-1	Carc. 1B	H350	GHS08 Dgr	H350			HJM
648-119-00-2	Tar acids, distn. residues; Distillate Phenols; [A residue from the distillation of crude phenol from coal. It consists predominantly of phenols having carbon numbers in the range of C ₈ through C ₁₀ with a softening point of 60 oC to 80 oC (140oF to 176oF).]	306-251-5	96690-55-0	Carc. 1B	H350	GHS08 Dgr	H350			HJM
648-120-00-8	Tar acids, methylphenol fraction; Distillate Phenols; [The fraction of tar acid rich in 3- and 4-methylphenol, recovered by distillation of low-temperature coal tar crude tar acids.]	284-892-9	84989-04-8	Carc. 1B	H350	GHS08 Dgr	H350			HJM
648-121-00-3	Tar acids, polyalkylphenol fraction; Distillate Phenols; [The fraction of tar acids, recovered by distillation of low-temperature coal tar crude tar acids, having an approximate boiling range of 225 oC to 320 oC (437oF to 608oF). Composed primarily of polyalkylphenols.]	284-893-4	84989-05-9	Carc. 1B	H350	GHS08 Dgr	H350			HJM
648-122-00-9	Tar acids, xlenol fraction; Distillate Phenols; [The fraction of tar acids, rich in 2,4- and 2,5-dimethylphenol, recovered by distillation of low-temperature coal tar crude tar acids.]	284-895-5	84989-06-0	Carc. 1B	H350	GHS08 Dgr	H350			HJM

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648-123-00-4	Tar acids, ethylphenol fraction; Distillate Phenols; [The fraction of tar acids, rich in 3- and 4-ethylphenol, recovered by distillation of low-temperature coal tar crude tar acids.]	284-891-3	84989-03-7	Carc. 1B	H350	GHS08 Dgr	H350			HJM
648-124-00-X	Tar acids, 3,5-xyleneol fraction; Distillate Phenols; [The fraction of tar acids, rich in 3,5-dimethylphenol, recovered by distillation of low-temperature coal tar acids.]	284-896-0	84989-07-1	Carc. 1B	H350	GHS08 Dgr	H350			HJM
648-125-00-5	Tar acids, residues, distillates, first-cut; Distillate Phenols; [The residue from the distillation in the range of 235 oC to 355 oC (481oF to 697oF) of light carbolic oil.]	270-713-1	68477-23-6	Carc. 1B	H350	GHS08 Dgr	H350			HJM
648-126-00-0	Tar acids, cresylic, residues; Distillate Phenols; [The residue from crude coal tar acids after removal of phenol, cresols, xlenols and any higher boiling phenols. A black solid with a melting point approximately 80 oC (176oF). Composed primarily of polyalkyphenols, resin gums, and inorganic salts.]	271-418-0	68555-24-8	Carc. 1B	H350	GHS08 Dgr	H350			HJM
648-127-00-6	Phenols, C ₉₋₁₁ ; Distillate Phenols	293-435-2	91079-47-9	Carc. 1B	H350	GHS08 Dgr	H350			HJM
648-128-00-1	Tar acids, cresylic; Distillate Phenols; [A complex combination of organic compounds obtained from brown coal and boiling in the range of approximately 200 oC to 230 oC (392oF to 446oF). It contains chiefly phenols and pyridine bases.]	295-540-9	92062-26-5	Carc. 1B	H350	GHS08 Dgr	H350			HJM

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648-129-00-7	Tar acids, brown-coal, C ₂ -alkylphenol fraction; Distillate Phenols; [The distillate from the acidification of alkaline washed lignite tar distillate boiling in the range of approximately 200 oC to 230 oC (392oF to 446oF). Composed primarily of <i>m</i> - and <i>p</i> -ethylphenol as well as cresols and xlenols.]	302-662-9	94114-29-1	Carc. 1B	H350	GHS08 Dgr	H350			HJM
648-130-00-2	Extract oils (coal), naphthalene oils; Acid Extract; [The aqueous extract produced by an acidic wash of alkali-washed naphthalene oil. Composed primarily of acid salts of various aromatic nitrogen bases including pyridine, quinoline and their alkyl derivatives.]	292-623-1	90641-00-2	Carc. 1B	H350	GHS08 Dgr	H350			HJM
648-131-00-8	Tar bases, quinoline derivs.; Distillate Bases	271-020-7	68513-87-1	Carc. 1B	H350	GHS08 Dgr	H350			HJM
648-132-00-3	Tar bases, coal, quinoline derivs. fraction; Distillate Bases	274-560-1	70321-67-4	Carc. 1B	H350	GHS08 Dgr	H350			HJM
648-133-00-9	Tar bases, coal, distn. residues; Distillate Bases; [The distillation residue remaining after the distillation of the neutralized, acid-extracted base-containing tar fractions obtained by the distillation of coal tars. It contains chiefly aniline, collidines, quinoline and quinoline derivatives and toluidines.]	295-544-0	92062-29-8	Carc. 1B	H350	GHS08 Dgr	H350			HJM

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648-134-00-4	Hydrocarbon oils, arom., mixed with polyethylene and polypropylene, pyrolyzed, light oil fraction; Heat Treatment Products; [The oil obtained from the heat treatment of a polyethylene/polypropylene mixture with coal tar pitch or aromatic oils. It consists predominantly of benzene and its homologs boiling in a range of approximately 70 oC to 120 oC (158oF to 248oF).]	309-745-9	100801-63-6	Carc. 1B	H350	GHS08 Dgr	H350			HJM
648-135-00-X	Hydrocarbon oils, arom., mixed with polyethylene, pyrolyzed, light oil fraction; Heat Treatment Products; [The oil obtained from the heat treatment of polyethylene with coal tar pitch or aromatic oils. It consists predominantly of benzene and its homologs boiling in a range of 70 oC to 120 oC (158oF to 248oF).]	309-748-5	100801-65-8	Carc. 1B	H350	GHS08 Dgr	H350			HJM
648-136-00-5	Hydrocarbon oils, arom., mixed with polystyrene, pyrolyzed, light oil fraction; Heat Treatment Products; [The oil obtained from the heat treatment of polystyrene with coal tar pitch or aromatic oils. It consists predominantly of benzene and its homologs boiling in a range of approximately 70 oC to 210 oC (158oF to 410oF).]	309-749-0	100801-66-9	Carc. 1B	H350	GHS08 Dgr	H350			HJM
648-137-00-0	Extract residues (coal), tar oil alk., naphthalene distn. residues; Naphthalene Oil Extract Residue; [The residue obtained from chemical oil extracted after the removal of naphthalene by distillation composed primarily of two to four membered condensed ring aromatic hydrocarbons and aromatic nitrogen bases.]	277-567-8	73665-18-6	Carc. 1B	H350	GHS08 Dgr	H350			HJM

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648-138-00-6	Creosote oil, low-boiling distillate; Wash Oil; [The low-boiling distillation fraction obtained from the high temperature carbonization of bituminous coal, which is further refined to remove excess crystalline salts. It consists primarily of creosote oil with some of the normal polynuclear aromatic salts, which are components of coal tar distillate, removed. It is crystal free at approximately 38 oC (100oF).]	274-566-4	70321-80-1	Carc. 1B	H350	GHS08 Dgr	H350			H
648-139-00-1	Tar acids, cresylic, sodium salts, caustic solns.; Alkaline Extract	272-361-4	68815-21-4	Carc. 1B	H350	GHS08 Dgr	H350			HJM
648-140-00-7	Extract oils (coal), tar base; Acid Extract; [The extract from coal tar oil alkaline extract residue produced by an acidic wash such as aqueous sulfuric acid after distillation to remove naphthalene. Composed primarily of the acid salts of various aromatic nitrogen bases including pyridine, quinoline, and their alkyl derivatives.]	266-020-9	65996-86-3	Carc. 1B	H350	GHS08 Dgr	H350			HJM
648-141-00-2	Tar bases, coal, crude; Crude Tar Bases; [The reaction product obtained by neutralizing coal tar base extract oil with an alkaline solution, such as aqueous sodium hydroxide, to obtain the free bases. Composed primarily of such organic bases as acridine, phenanthridine, pyridine, quinoline and their alkyl derivatives.]	266-018-8	65996-84-1	Carc. 1B	H350	GHS08 Dgr	H350			HJM
648-142-00-8	Residues (coal), liq. solvent extn.; [A cohesive powder composed of coal mineral matter and undissolved coal remaining after extraction of coal by a liquid solvent.]	302-681-2	94114-46-2	Carc. 1B	H350	GHS08 Dgr	H350			H M

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648-143-00-3	Coal liquids, liq. solvent extrn. soln.; [The product obtained by filtration of coal mineral matter and undissolved coal from coal extract solution produced by digesting coal in a liquid solvent. A black, viscous, highly complex liquid combination composed primarily of aromatic and partly hydrogenated aromatic hydrocarbons, aromatic nitrogen compounds, aromatic sulfur compounds, phenolic and other aromatic oxygen compounds and their alkyl derivatives.]	302-682-8	94114-47-3	Carc. 1B	H350	GHS08 Dgr	H350			H M
648-144-00-9	Coal liquids, liq. solvent extrn.; [The substantially solvent-free product obtained by the distillation of the solvent from filtered coal extract solution produced by digesting coal in a liquid solvent. A black semi-solid, composed primarily of a complex combination of condensed-ring aromatic hydrocarbons, aromatic nitrogen compounds, aromatic sulfur compounds, phenolic compounds and other aromatic oxygen compounds, and their alkyl derivatives.]	302-683-3	94114-48-4	Carc. 1B	H350	GHS08 Dgr	H350			H M
648-145-00-4	Tar brown-coal; [An oil distilled from brown-coal tar. Composed primarily of aliphatic, naphthenic and one- to three-ring aromatic hydrocarbons, their alkyl derivatives, heteroaromatics and one- and two-ring phenols boiling in the range of approximately 150 oC to 360 oC (302oF to 680oF).]	309-885-0	101316-83-0	Carc. 1A	H350	GHS08 Dgr	H350			H
648-146-00-X	Tar, brown-coal, low-temp.; [A tar obtained from low temperature carbonization and low temperature gasification of brown coal. Composed primarily of aliphatic, naphthenic and cyclic aromatic hydrocarbons, heteroaromatic hydrocarbons and cyclic phenols.]	309-886-6	101316-84-1	Carc. 1A	H350	GHS08 Dgr	H350			H

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648-147-00-5	Light oil (coal), coke-oven; Crude benzole; [The volatile organic liquid extracted from the gas evolved in the high temperature (greater than 700 oC (1292oF)) destructive distillation of coal. Composed primarily of benzene, toluene, and xylenes. May contain other minor hydrocarbon constituents.]	266-012-5	65996-78-3	Carc. 1B	H350	GHS08 Dgr	H350			H J
648-148-00-0	Distillates (coal), liq. solvent extn., primary; [The liquid product of condensation of vapors emitted during the digestion of coal in a liquid solvent and boiling in the range of approximately 30 oC to 300 oC (86oF to 572oF). Composed primarily of partly hydrogenated condensed-ring aromatic hydrocarbons, aromatic compounds containing nitrogen, oxygen and sulfur, and their alkyl derivatives having carbon numbers predominantly in the range of C ₄ through C ₁₄ .]	302-688-0	94114-52-0	Carc. 1B	H350	GHS08 Dgr	H350			H J
648-149-00-6	Distillates (coal), solvent extn., hydrocracked; [Distillate obtained by hydrocracking of coal extract or solution produced by the liquid solvent extraction or supercritical gas extraction process and boiling in the range of approximately 30 oC to 300 oC (86oF to 572oF). Composed primarily of aromatic, hydrogenated aromatic and naphthenic compounds, their alkyl derivatives and alkanes with carbon numbers predominantly in the range of C ₄ through C ₁₄ . Nitrogen, sulfur and oxygen-containing aromatic and hydrogenated aromatic compounds are also present.]	302-689-6	94114-53-1	Carc. 1B	H350	GHS08 Dgr	H350			H J

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648-150-00-1	Naphtha (coal), solvent extn., hydrocracked; [Fraction of the distillate obtained by hydrocracking of coal extract or solution produced by the liquid solvent extraction or supercritical gas extraction processes and boiling in the range of approximately 30 oC to 180 oC (86oF to 356oF). Composed primarily of aromatic, hydrogenated aromatic and naphthenic compounds, their alkyl derivatives and alkanes with carbon numbers predominantly in the range of C ₄ to C ₉ . Nitrogen, sulfur and oxygen-containing aromatic and hydrogenated aromatic compounds are also present.]	302-690-1	94114-54-2	Carc. 1B	H350	GHS08 Dgr	H350			H J
648-151-00-7	Gasoline, coal solvent extn., hydrocracked naphtha; [Motor fuel produced by the reforming of the refined naphtha fraction of the products of hydrocracking of coal extract or solution produced by the liquid solvent extraction or supercritical gas extraction processes and boiling in the range of approximately 30 oC to 180 oC (86oF to 356oF). Composed primarily of aromatic and naphthenic hydrocarbons, their alkyl derivatives and alkyl hydrocarbons having carbon numbers in the range of C ₄ through C ₉ .]	302-691-7	94114-55-3	Carc. 1B	H350	GHS08 Dgr	H350			H
648-152-00-2	Distillates (coal), solvent extn., hydrocracked middle; [Distillate obtained from the hydrocracking of coal extract or solution produced by the liquid solvent extraction or supercritical gas extraction processes and boiling in the range of approximately 180 oC to 300 oC (356oF to 572oF). Composed primarily of two-ring aromatic, hydrogenated aromatic and naphthenic compounds, their alkyl derivatives and alkanes having carbon numbers predominantly in the range of C ₉ through C ₁₄ . Nitrogen, sulfur and oxygen-containing compounds are also present.]	302-692-2	94114-56-4	Carc. 1B	H350	GHS08 Dgr	H350			H J

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648-153-00-8	Distillates (coal), solvent extn., hydrocracked hydrogenated middle; [Distillate from the hydrogenation of hydrocracked middle distillate from coal extract or solution produced by the liquid solvent extraction or supercritical gas extraction processes and boiling in the range of approximately 180 oC to 280 oC (356oF to 536oF). Composed primarily of hydrogenated two- ring carbon compounds and their alkyl derivatives having carbon numbers predominantly in the range of C ₉ through C ₁₄ .]	302-693-8	94114-57-5	Carc. 1B	H350	GHS08 Dgr	H350			H J
648-154-00-3	Fuels, jet aircraft, coal solvent extn., hydrocracked hydrogenated; [Jet engine fuel produced by hydrogenation of the middle distillate fraction of the products of hydrocracking of coal extract or solution produced by the liquid solvent extraction or supercritical gas extraction processes and boiling in the range of approximately 180 oC to 225 oC (356oF to 473oF). Composed primarily of hydrogenated two-ring hydrocarbons and their alkyl derivatives having carbon numbers predominantly in the range of C ₁₀ through C ₁₂ .]	302-694-3	94114-58-6	Carc. 2	H351	GHS08 Wng	H350			H
648-155-00-9	Fuels, diesel, coal solvent extn., hydrocracked hydrogenated; [Diesel engine fuel produced by the hydrogenation of the middle distillate fraction of the products of hydrocracking of coal extract or solution produced by the liquid solvent extraction or supercritical gas extraction processes and boiling in the range of approximately 200 oC to 280 oC (392oF to 536oF). Composed primarily of hydrogenated two-ring hydrocarbons and their alkyl derivatives having carbon numbers predominantly in the range of C ₁₁ through C ₁₄ .]	302-695-9	94114-59-7	Carc. 2	H351	GHS08 Wng	H350			H

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648-156-00-4	Light oil (coal), semi-coking process; Fresh oil; [The volatile organic liquid condensed from the gas evolved in the low temperature (less than 700 oC (1292oF) destructive distillation of coal. Composed primarily of C ₆₋₁₀ hydrocarbons.]	292-635-7	90641-11-5	Carc. 1B	H350	GHS08 Dgr	H350			H J
649-001-00-3	Extracts (petroleum), light naphthenic distillate solvent	265-102-1	64742-03-6	Carc. 1B	H350	GHS08 Dgr	H350			H
649-002-00-9	Extracts (petroleum), heavy paraffinic distillate solvent	265-103-7	64742-04-7	Carc. 1B	H350	GHS08 Dgr	H350			H
649-003-00-4	Extracts (petroleum), light paraffinic distillate solvent	265-104-2	64742-05-8	Carc. 1B	H350	GHS08 Dgr	H350			H
649-004-00-X	Extracts (petroleum), heavy naphthenic distillate solvent	265-111-0	64742-11-6	Carc. 1B	H350	GHS08 Dgr	H350			H
649-005-00-5	Extracts (petroleum), light vacuum gas oil solvent	295-341-7	91995-78-7	Carc. 1B	H350	GHS08 Dgr	H350			H
649-006-00-0	hydrocarbons C ₂₆₋₅₅ , arom-rich	307-753-7	97722-04-8	Carc. 1B	H350	GHS08 Dgr	H350			H
649-007-00-6	fatty acids, tall-oil, reaction products with iminodiethanol and boric acid	400-160-5	—	Skin Irrit. 2 Aquatic Chronic 2	H315 H411	GHS07 GHS09 Wng	H315 H411			
649-008-00-1	Residues (petroleum), atm. tower; Heavy Fuel oil; [A complex residuum from the atmospheric distillation of crude oil. It consists of hydrocarbons having carbon numbers predominantly greater than C ₂₀ and boiling above approximately 350 oC (662oF). This stream is likely to contain 5 wt. % or more of 4- to 6-membered condensed ring aromatic hydrocarbons.]	265-045-2	64741-45-3	Carc. 1B	H350	GHS08 Dgr	H350			H

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649-009-00-7	Gas oils (petroleum), heavy vacuum; Heavy Fuel oil; [A complex combination of hydrocarbons produced by the vacuum distillation of the residuum from atmospheric distillation of crude oil. It consists of hydrocarbons having carbon numbers predominantly in the range of C ₂₀ through C ₅₀ and boiling in the range of approximately 350 oC to 600 oC (662oF to 1112oF). This stream is likely to contain 5 wt. % or more of 4-to 6-membered condensed ring aromatic hydrocarbons.]	265-058-3	64741-57-7	Carc. 1B	H350	GHS08 Dgr	H350			H
649-010-00-2	Distillates (petroleum), heavy catalytic cracked; Heavy Fuel oil; [A complex combination of hydrocarbons produced by the distillation of products from a catalytic cracking process. It consists of hydrocarbons having carbon numbers predominantly in the range of C ₁₅ through C ₃₅ and boiling in the range of approximately 260 oC to 500 oC (500oF to 932oF). This stream is likely to contain 5 wt. % or more of 4- to 6-membered condensed ring aromatic hydrocarbons.]	265-063-0	64741-61-3	Carc. 1B	H350	GHS08 Dgr	H350			H
649-011-00-8	Clarified oils (petroleum), catalytic cracked; Heavy Fuel oil; [A complex combination of hydrocarbons produced as the residual fraction from distillation of the products from a catalytic cracking process. It consists of hydrocarbons having carbon numbers predominantly greater than C ₂₀ and boiling above approximately 350 oC (662oF). This stream is likely to contain 5 wt. % or more of 4- to 6-membered condensed ring aromatic hydrocarbons.]	265-064-6	64741-62-4	Carc. 1B	H350	GHS08 Dgr	H350			H

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649-012-00-3	Residues (petroleum), hydrocracked; Heavy Fuel oil; [A complex combination of hydrocarbons produced as the residual fraction from distillation of the products of a hydrocracking process. It consists of hydrocarbons having carbon numbers predominantly greater than C ₂₀ and boiling above approximately 350 oC (662oF).]	265-076-1	64741-75-9	Carc. 1B	H350	GHS08 Dgr	H350			H
649-013-00-9	Residues (petroleum), thermal cracked; Heavy Fuel oil; [A complex combination of hydrocarbons produced as the residual fraction from distillation of the product from a thermal cracking process. It consists predominantly of unsaturated hydrocarbons having carbon numbers predominantly greater than C ₂₀ and boiling above approximately 350 oC (662oF). This stream is likely to contain 5 wt. % or more of 4- to 6-membered condensed ring aromatic hydrocarbons.]	265-081-9	64741-80-6	Carc. 1B	H350	GHS08 Dgr	H350			H
649-014-00-4	Distillates (petroleum), heavy thermal cracked; Heavy Fuel oil; [A complex combination of hydrocarbons from the distillation of the products from a thermal cracking process. It consists predominantly of unsaturated hydrocarbons having carbon numbers predominantly in the range of C ₁₅ through C ₃₆ and boiling in the range of approximately 260 oC to 480 oC (500oF to 896oF). This stream is likely to contain 5 wt. % or more of 4- to 6-membered condensed ring aromatic hydrocarbons.]	265-082-4	64741-81-7	Carc. 1B	H350	GHS08 Dgr	H350			H

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649-015-00-X	Gas oils (petroleum), hydrotreated vacuum; Heavy Fuel oil; [A complex combination of hydrocarbons obtained by treating a petroleum fraction with hydrogen in the presence of a catalyst. It consists of hydrocarbons having carbon numbers predominantly in the range of C ₁₃ through C ₅₀ and boiling in the range of approximately 230 oC to 600 oC (446oF to 1112oF). This stream is likely to contain 5 wt.% or more of 4- to 6-membered condensed ring aromatic hydrocarbons.]	265-162-9	64742-59-2	Carc. 1B	H350	GHS08 Dgr	H350			H
649-016-00-5	Residues (petroleum), hydrodesulfurized atmospheric tower; Heavy Fuel oil; [A complex combination of hydrocarbons obtained by treating an atmospheric tower residuum with hydrogen in the presence of a catalyst under conditions primarily to remove organic sulfur compounds. It consists of hydrocarbons having carbon numbers predominantly greater than C ₂₀ and boiling above approximately 350 oC (662oF). This stream is likely to contain 5 wt. % or more of 4- to 6-membered condensed ring aromatic hydrocarbons.]	265-181-2	64742-78-5	Carc. 1B	H350	GHS08 Dgr	H350			H
649-017-00-0	Gas oils (petroleum), hydrodesulfurized heavy vacuum; Heavy Fuel oil; [A complex combination of hydrocarbons obtained from a catalytic hydrodesulfurization process. It consists of hydrocarbons having carbon numbers predominantly in the range of C ₂₀ through C ₅₀ and boiling in the range of approximately 350 oC to 600 oC (662oF to 1112 oC). This stream is likely to contain 5 wt. % or more of 4- to 6-membered condensed ring aromatic hydrocarbons.]	265-189-6	64742-86-5	Carc. 1B	H350	GHS08 Dgr	H350			H

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649-018-00-6	Residues (petroleum), steam-cracked; Heavy Fuel oil; [A complex combination of hydrocarbons obtained as the residual fraction from the distillation of the products of a steam cracking process (including steam cracking to produce ethylene). It consists predominantly of unsaturated hydrocarbons having carbon numbers predominantly greater than C ₁₄ and boiling above approximately 260 oC (500oF). This stream is likely to contain 5 wt. % or more of 4- to 6-membered condensed ring aromatic hydrocarbons.]	265-193-8	64742-90-1	Carc. 1B	H350	GHS08 Dgr	H350			H
649-019-00-1	Residues (petroleum), atmospheric; Heavy Fuel oil; [A complex residuum from atmospheric distillation of crude oil. It consists of hydrocarbons having carbon numbers predominantly greater than C ₁₁ and boiling above approximately 200 oC (392oF). This stream is likely to contain 5 wt. % or more of 4-to 6-membered condensed ring aromatic hydrocarbons.]	269-777-3	68333-22-2	Carc. 1B	H350	GHS08 Dgr	H350			H
649-020-00-7	Clarified oils (petroleum), hydrodesulfurized catalytic cracked; Heavy Fuel oil; [A complex combination of hydrocarbons obtained by treating catalytic cracked clarified oil with hydrogen to convert organic sulfur to hydrogen sulfide which is removed. It consists of hydrocarbons having carbon numbers predominantly greater than C ₂₀ and boiling above approximately 350 oC (662oF). This stream is likely to contain 5 wt. % or more of 4-to 6-membered condensed ring aromatic hydrocarbons.]	269-782-0	68333-26-6	Carc. 1B	H350	GHS08 Dgr	H350			H

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649-021-00-2	Distillates (petroleum), hydrodesulfurized intermediate catalytic cracked; Heavy Fuel oil; [A complex combination of hydrocarbons obtained by treating intermediate catalytic cracked distillates with hydrogen to convert organic sulfur to hydrogen sulfide which is removed. It consists of hydrocarbons having carbon numbers predominantly in the range of C ₁₁ through C ₃₀ and boiling in the range of approximately 205 oC to 450 oC (401oF to 842oF). It contains a relatively large proportion of tricyclic aromatic hydrocarbons.]	269-783-6	68333-27-7	Carc. 1B	H350	GHS08 Dgr	H350			H
649-022-00-8	Distillates (petroleum), hydrodesulfurized heavy catalytic cracked; Heavy Fuel oil; [A complex combination of hydrocarbons obtained by treatment of heavy catalytic cracked distillates with hydrogen to convert organic sulfur to hydrogen sulfide which is removed. It consists of hydrocarbons having carbon numbers predominantly in the range of C ₁₅ through C ₃₅ and boiling in the range of approximately 260 oC to 500 oC (500oF to 932oF). This stream is likely to contain 5 wt. % or more of 4- to 6-membered condensed ring aromatic hydrocarbons.]	269-784-1	68333-28-8	Carc. 1B	H350	GHS08 Dgr	H350			H
649-023-00-3	Fuel oil, residues-straight-run gas oils, high-sulfur; Heavy Fuel oil	270-674-0	68476-32-4	Carc. 1B	H350	GHS08 Dgr	H350			H
649-024-00-9	Fuel oil, residual; Heavy Fuel oil; [The liquid product from various refinery streams, usually residues. The composition is complex and varies with the source of the crude oil.]	270-675-6	68476-33-5	Carc. 1B	H350	GHS08 Dgr	H350			H

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649-025-00-4	Residues (petroleum), catalytic reformer fractionator residue distn.; Heavy Fuel oil; [A complex residuum from the distillation of catalytic reformer fractionator residue. It boils approximately above 399 oC (750oF).]	270-792-2	68478-13-7	Carc. 1B	H350	GHS08 Dgr	H350			H
649-026-00-X	Residues (petroleum), heavy coker gas oil and vacuum gas oil; Heavy Fuel oil; [A complex combination of hydrocarbons produced as the residual fraction from the distillation of heavy coker gas oil and vacuum gas oil. It predominantly consists of hydrocarbons having carbon numbers predominantly greater than C ₁₃ and boiling above approximately 230 oC (446oF).]	270-796-4	68478-17-1	Carc. 1B	H350	GHS08 Dgr	H350			H
649-027-00-5	Residues (petroleum), heavy coker and light vacuum; Heavy Fuel oil; [A complex combination of hydrocarbons produced as the residual fraction from the distillation of heavy coker gas oil and light vacuum gas oil. It consists predominantly of hydrocarbons having carbon numbers predominantly greater than C ₁₃ and boiling above approximately 230 oC (446oF).]	270-983-0	68512-61-8	Carc. 1B	H350	GHS08 Dgr	H350			H
649-028-00-0	Residues (petroleum), light vacuum; Heavy Fuel oil; [A complex residuum from the vacuum distillation of the residuum from the atmospheric distillation of crude oil. It consists of hydrocarbons having carbon numbers predominantly greater than C ₁₃ and boiling above approximately 230 oC (446oF).]	270-984-6	68512-62-9	Carc. 1B	H350	GHS08 Dgr	H350			H

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649-029-00-6	Residues (petroleum), steam-cracked light; Heavy Fuel oil; [A complex residuum from the distillation of the products from a steam-cracking process. It consists predominantly of aromatic and unsaturated hydrocarbons having carbon numbers greater than C ₇ and boiling in the range of approximately 101 oC to 555 oC (214oF to 1030oF).]	271-013-9	68513-69-9	Carc. 1B	H350	GHS08 Dgr	H350			H
649-030-00-1	Fuel oil, No 6; Heavy Fuel oil; [A distillate oil having a minimum viscosity of 900 SUS at 37.7 oC (100oF) to a maximum of 9000 SUS at 37.7 oC (100oF).]	271-384-7	68553-00-4	Carc. 1B	H350	GHS08 Dgr	H350			H
649-031-00-7	Residues (petroleum), topping plant, low-sulfur; Heavy Fuel oil; [A low-sulfur complex combination of hydrocarbons produced as the residual fraction from the topping plant distillation of crude oil. It is the residuum after the straight-run gasoline cut, kerosene cut and gas oil cut have been removed.]	271-763-7	68607-30-7	Carc. 1B	H350	GHS08 Dgr	H350			H
649-032-00-2	Gas oils (petroleum), heavy atmospheric; Heavy Fuel oil; [A complex combination of hydrocarbons obtained by the distillation of crude oil. It consists of hydrocarbons having carbon numbers predominantly in the range of C ₇ through C ₃₅ and boiling in the range of approximately 121 oC to 510 oC (250oF to 950oF).]	272-184-2	68783-08-4	Carc. 1B	H350	GHS08 Dgr	H350			H

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649-033-00-8	Residues (petroleum), coker scrubber, Condensed-ring-arom.-contg.; Heavy Fuel oil; [A very complex combination of hydrocarbons produced as the residual fraction from the distillation of vacuum residuum and the products from a thermal cracking process. It consists predominantly of hydrocarbons having carbon numbers predominantly greater than C ₂₀ and boiling above approximately 350 oC (662oF). This stream is likely to contain 5 wt.% or more of 4- to 6-membered condensed ring aromatic hydrocarbons.]	272-187-9	68783-13-1	Carc. 1B	H350	GHS08 Dgr	H350			H
649-034-00-3	Distillates (petroleum), petroleum residues vacuum; Heavy Fuel oil; [A complex combination of hydrocarbons produced by the vacuum distillation of the residuum from the atmospheric distillation of crude oil.]	273-263-4	68955-27-1	Carc. 1B	H350	GHS08 Dgr	H350			H
649-035-00-9	Residues (petroleum), steam-cracked, resinous; Heavy Fuel oil; [A complex residuum from the distillation of steam-cracked petroleum residues.]	273-272-3	68955-36-2	Carc. 1B	H350	GHS08 Dgr	H350			H
649-036-00-4	Distillates (petroleum), intermediate vacuum; Heavy Fuel oil; [A complex combination of hydrocarbons produced by the vacuum, distillation of the residuum from atmospheric distillation of crude oil. It consists of hydrocarbons having carbon numbers predominantly in the range of C ₁₄ through C ₄₂ and boiling in the range of approximately 250 oC to 545 oC (482oF to 1013oF). This stream is likely to contain 5 wt. % or more of 4- to 6-membered condensed ring aromatic hydrocarbons.]	274-683-0	70592-76-6	Carc. 1B	H350	GHS08 Dgr	H350			H

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649-037-00-X	Distillates (petroleum), light vacuum; Heavy Fuel oil; [A complex combination of hydrocarbons produced by the vacuum distillation of the residuum from atmospheric distillation of crude oil. It consists of hydrocarbons having carbon numbers predominantly in the range of C ₁₁ through C ₃₅ and boiling in the range of approximately 250 oC to 545 oC (482oF to 1013oF).]	274-684-6	70592-77-7	Carc. 1B	H350	GHS08 Dgr	H350			H
649-038-00-5	Distillates (petroleum), vacuum; Heavy Fuel oil; [A complex combination of hydrocarbons produced by the vacuum distillation of the residuum from atmospheric distillation of crude oil. It consists of hydrocarbons having numbers predominantly in the range of C ₁₅ through C ₅₀ and boiling in the range of approximately 270 oC to 600 oC (518oF to 1112oF). This stream is likely to contain 5 wt.% or more of 4- to 6-membered condensed ring aromatic hydrocarbons.]	274-685-1	70592-78-8	Carc. 1B	H350	GHS08 Dgr	H350			H
649-039-00-0	Gas oils (petroleum), hydrodesulfurized coker heavy vacuum; Heavy Fuel oil; [A complex combination of hydrocarbons obtained by hydrodesulfurization of heavy coker distillate stocks, It consists predominantly of hydrocarbons having carbon numbers predominantly in the range C ₁₈ to C ₄₄ and boiling in the range of approximately 304 oC to 548 oC (579oF to 1018oF). Likely to contain 5 % or more of 4- to 6-membered condensed ring aromatic hydrocarbons.]	285-555-9	85117-03-9	Carc. 1B	H350	GHS08 Dgr	H350			H

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649-040-00-6	Residues (petroleum), steam-cracked, distillates; Heavy Fuel oil; [A complex combination of hydrocarbons obtained during the production of refined petroleum tar by the distillation of steam cracked tar. It consists predominantly of aromatic and other hydrocarbons and organic sulfur compounds.]	292-657-7	90669-75-3	Carc. 1B	H350	GHS08 Dgr	H350			H
649-041-00-1	Residues (petroleum), vacuum, light; Heavy Fuel oil; [A complex residuum from the vacuum distillation of the residuum from atmospheric distillation of crude oil. It consists predominantly of hydrocarbons having carbon numbers predominantly greater than C ₂₄ and boiling above approximately 390 oC (734oF).]	292-658-2	90669-76-4	Carc. 1B	H350	GHS08 Dgr	H350			H
649-042-00-7	Fuel oil, heavy, high-sulfur; Heavy Fuel oil; [A complex combination of hydrocarbons obtained by the distillation of crude petroleum. It consists predominantly of aliphatic, aromatic and cycloaliphatic hydrocarbons having carbon numbers predominantly higher than C ₂₅ and boiling above approximately 400 oC (752oF).]	295-396-7	92045-14-2	Carc. 1B	H350	GHS08 Dgr	H350			H
649-043-00-2	Residues (petroleum), catalytic cracking; Heavy Fuel oil; [A complex combination of hydrocarbons produced as the residual fraction from the distillation of the products from a catalytic cracking process. It consists predominantly of hydrocarbons having carbon numbers predominantly greater than C ₁₁ and boiling above approximately 200 oC (392oF).]	295-511-0	92061-97-7	Carc. 1B	H350	GHS08 Dgr	H350			H

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649-044-00-8	Distillates (petroleum), intermediate catalytic cracked, thermally degraded; Heavy Fuel oil; [A complex combination of hydrocarbons produced by the distillation of products from a catalytic cracking process which has been used as a heat transfer fluid. It consists predominantly of hydrocarbons boiling in the range of approximately 220 oC to 450 oC (428oF to 842oF). This stream is likely to contain organic sulfur compounds.]	295-990-6	92201-59-7	Carc. 1B	H350	GHS08 Dgr	H350			H
649-045-00-3	Residual oils (petroleum); Heavy Fuel oil; [A complex combination of hydrocarbons, sulfur compounds and metal-containing organic compounds obtained as the residue from refinery fractionation cracking processes. It produces a finished oil with a viscosity above 2cSt. at 100 oC.]	298-754-0	93821-66-0	Carc. 1B	H350	GHS08 Dgr	H350			H
649-046-00-9	Residues, steam cracked, thermally treated; Heavy Fuel oil; [A complex combination of hydrocarbons obtained by the treatment and distillation of raw steam-cracked naphtha. It consists predominantly of unsaturated hydrocarbons boiling in the range above approximately 180 oC (356oF).]	308-733-0	98219-64-8	Carc. 1B	H350	GHS08 Dgr	H350			H
649-047-00-4	Distillates (petroleum), hydrosulfurized full-range middle; Heavy Fuel oil; [A complex combination of hydrocarbons obtained by treating a petroleum stock with hydrogen. It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C ₉ through C ₂₅ and boiling in the range of approximately 150 oC to 400 oC (302oF to 752oF).]	309-863-0	101316-57-8	Carc. 1B	H350	GHS08 Dgr	H350			H

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649-048-00-X	Residues (petroleum), catalytic reformer fractionator; Heavy Fuel oil; [A complex combination of hydrocarbons produced as the residual fraction from distillation of the product from a catalytic reforming process. It consists of predominantly aromatic hydrocarbons having carbon numbers predominantly in the range of C ₁₀ through C ₂₅ and boiling in the range of approximately 160 oC to 400 oC (320oF to 725oF). This stream is likely to contain 5 wt. % or more of 4- or 6-membered condensed ring aromatic hydrocarbons.]	265-069-3	64741-67-9	Carc. 1B	H350	GHS08 Dgr	H350			H
649-049-00-5	Petroleum; Crude oil; [A complex combination of hydrocarbons, It consists predominantly of aliphatic, alicyclic and aromatic hydrocarbons. It may also contain small amounts of nitrogen, oxygen and sulfur compounds. This category encompasses light, medium, and heavy petroleums, as well as the oils extended from tar sands. Hydrocarbonaceous materials requiring major chemical changes for their recovery or conversion to petroleum refinery feedstocks such as crude shale oils; upgraded shale oils and liquid coal fuels are not included in this definition.]	232-298-5	8002-05-9	Carc. 1B	H350	GHS08 Dgr	H350			H
649-050-00-0	Distillates (petroleum), light paraffinic; Unrefined or mildly refined baseoil; [A complex combination of hydrocarbons produced by vacuum distillation of the residuum from atmospheric distillation of crude oil. It consists of hydrocarbons having carbon numbers predominantly in the range of C ₁₅ through C ₃₀ and produces a finished oil with a viscosity of less than 100 SUS at 100oF (19cSt at 40 oC). It contains a relatively large proportion of saturated aliphatic hydrocarbons normally present in this distillation range of crude oil.]	265-051-5	64741-50-0	Carc. 1A	H350	GHS08 Dgr	H350			H

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649-051-00-6	Distillates (petroleum), heavy paraffinic; Unrefined or mildly refined baseoil; [A complex combination of hydrocarbons produced by vacuum distillation of the residuum from atmospheric distillation of crude oil. It consists of hydrocarbons having carbon numbers predominantly in the range of C ₂₀ through C ₅₀ and produces a finished oil with a viscosity of at least 100 SUS at 100oF (19cSt at 40 oC). It contains a relatively large proportion of saturated aliphatic hydrocarbons.]	265-052-0	64741-51-1	Carc. 1A	H350	GHS08 Dgr	H350			H
649-052-00-1	Distillates (petroleum), light naphthenic; Unrefined or mildly refined baseoil; [A complex combination of hydrocarbons produced by vacuum distillation of the residuum from atmospheric distillation of crude oil. It consists of hydrocarbons having carbon numbers predominantly in the range of C ₁₅ through C ₃₀ and produces a finished oil with a viscosity of less than 100 SUS at 100oF (19cSt at 40 oC). It contains relatively few normal paraffins.]	265-053-6	64741-52-2	Carc. 1A	H350	GHS08 Dgr	H350			H
649-053-00-7	Distillates (petroleum), heavy naphthenic; Unrefined or mildly refined baseoil; [A complex combination of hydrocarbons produced by vacuum distillation of the residuum from atmospheric distillation of crude oil. It consists of hydrocarbons having carbon numbers predominantly in the range of C ₂₀ through C ₅₀ and produces a finished oil with a viscosity of at least 100 SUS at 100oF (19cSt at 40 oC). It contains relatively few normal paraffins.]	265-054-1	64741-53-3	Carc. 1A	H350	GHS08 Dgr	H350			H

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649-054-00-2	Distillates (petroleum), acid-treated heavy naphthenic; Unrefined or mildly refined baseoil; [A complex combination of hydrocarbons obtained as a raffinate from a sulfuric acid treating process. It consists of hydrocarbons having carbon numbers predominantly in the range of C ₂₀ through C ₅₀ and produces a finished oil with a viscosity of at least 100 SUS at 100oF (19cSt at 40 oC). It contains relatively few normal paraffins.]	265-117-3	64742-18-3	Carc. 1A	H350	GHS08 Dgr	H350			H
649-055-00-8	Distillates (petroleum), acid-treated light naphthenic; Unrefined or mildly refined baseoil; [A complex combination of hydrocarbons obtained as a raffinate from a sulfuric acid treating process. It consists of hydrocarbons having carbon numbers predominantly in the range of C ₁₅ through C ₃₀ and produces a finished oil with a viscosity of less than 100 SUS at 100oF (19cSt at 40 oC). It contains relatively few normal paraffins.]	265-118-9	64742-19-4	Carc. 1A	H350	GHS08 Dgr	H350			H
649-056-00-3	Distillates (petroleum), acid-treated heavy paraffinic; Unrefined or mildly refined baseoil; [A complex combination of hydrocarbons obtained as a raffinate from a sulfuric acid process. It consists predominantly of saturated hydrocarbons having carbon numbers predominantly in the range of C ₂₀ through C ₅₀ and produces a finished oil having a viscosity of a least 100 SUS at 100oF (19cSt at 40 oC).]	265-119-4	64742-20-7	Carc. 1A	H350	GHS08 Dgr	H350			H

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649-057-00-9	Distillates (petroleum), acid-treated light paraffinic; Unrefined or mildly refined baseoil; [A complex combination of hydrocarbons obtained as a raffinate from a sulfuric acid treating process. It consists predominantly of saturated hydrocarbons having carbon numbers predominantly in the range of C ₁₅ through C ₃₀ and produces a finished oil having a viscosity of less than 100 SUS at 100oF (19cSt at 40 oC).]	265-121-5	64742-21-8	Carc. 1A	H350	GHS08 Dgr	H350			H
649-058-00-4	Distillates (petroleum), chemically neutralized heavy paraffinic; Unrefined or mildly refined baseoil; [A complex combination of hydrocarbons obtained from a treating process to remove acidic materials. It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C ₂₀ through C ₅₀ and produces a finished oil with a viscosity of at least 100 SUS at 100oF (19cSt at 40 oC). It contains a relatively large proportion of aliphatic hydrocarbons.]	265-127-8	64742-27-4	Carc. 1A	H350	GHS08 Dgr	H350			H
649-059-00-X	Distillates (petroleum), chemically neutralized light paraffinic; Unrefined or mildly refined baseoil; [A complex combination of hydrocarbons produced by a treating process to remove acidic materials. It consists of hydrocarbons having carbon numbers predominantly in the range of C ₁₅ through C ₃₀ and produces a finished oil with a viscosity less than 100 SUS at 100oF (19cSt at 40 oC).]	265-128-3	64742-28-5	Carc. 1A	H350	GHS08 Dgr	H350			H

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649-060-00-5	Distillates (petroleum), chemically neutralized heavy naphthenic; Unrefined or mildly refined baseoil; [A complex combination of hydrocarbons produced by a treating process to remove acidic materials. It consists of hydrocarbons having carbon numbers predominantly in the range of C ₂₀ through C ₅₀ and produces a finished oil with a viscosity of at least 100 SUS at 100oF (19cSt at 40 oC). It contains relatively few normal paraffins.]	265-135-1	64742-34-3	Carc. 1A	H350	GHS08 Dgr	H350			H
649-061-00-0	Distillates (petroleum), chemically neutralized light naphthenic; Unrefined or mildly refined baseoil; [A complex combination of hydrocarbons produced by a treating process to remove acidic materials. It consists of hydrocarbons having carbon numbers predominantly in the range of C ₁₅ through C ₃₀ and produces a finished oil with a viscosity of less than 100 SUS a 100oF (19cSt at 40 oC). It contains relatively few normal paraffins.]	265-136-7	64742-35-4	Carc. 1A	H350	GHS08 Dgr	H350			H
649-062-00-6	Gases (petroleum), catalytic cracked naphtha depropanizer overhead, C ₃ -rich acid-free; Petroleum gas; [A complex combination of hydrocarbons obtained from fractionation of catalytic cracked hydrocarbons and treated to remove acidic impurities. It consists of hydrocarbons having carbon numbers in the range of C ₂ through C ₄ , predominantly C ₃ .]	270-755-0	68477-73-6	Flam. Gas 1 Press. Gas Carc. 1A Muta. 1B	H220 H350 H340	GHS02 GHS04 GHS08 Dgr	H220 H350 H340			H K U
649-063-00-1	Gases (petroleum), catalytic cracker; Petroleum gas; [A complex combination of hydrocarbons produced by the distillation of the products from a catalytic cracking process. It consists predominantly of aliphatic hydrocarbons having carbon numbers predominantly in the range of C ₁ through C ₆ .]	270-756-6	68477-74-7	Flam. Gas 1 Press. Gas Carc. 1A Muta. 1B	H220 H350 H340	GHS02 GHS04 GHS08 Dgr	H220 H350 H340			H K U

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649-064-00-7	Gases (petroleum), catalytic cracker, C ₁₋₅ -rich; Petroleum gas; [A complex combination of hydrocarbons produced by the distillation of products from a catalytic cracking process. It consists of aliphatic hydrocarbons having carbon numbers in the range of C ₁ through C ₆ , predominantly C ₁ through C ₅ .]	270-757-1	68477-75-8	Flam. Gas 1 Press. Gas Carc. 1A Muta. 1B	H220 H350 H340	GHS02 GHS04 GHS08 Dgr	H220 H350 H340			H K U
649-065-00-2	Gases (petroleum), catalytic polymd. naphtha stabilizer overhead, C ₂₋₄ -rich; Petroleum gas; [A complex combination of hydrocarbons obtained from the fractionation stabilization of catalytic polymerized naphtha. It consists of aliphatic hydrocarbons having carbon numbers in the range of C ₂ through C ₆ , predominantly C ₂ through C ₄ .]	270-758-7	68477-76-9	Flam. Gas 1 Press. Gas Carc. 1A Muta. 1B	H220 H350 H340	GHS02 GHS04 GHS08 Dgr	H220 H350 H340			H K U
649-066-00-8	Gases (petroleum), catalytic reformer, C ₁₋₄ -rich; Petroleum gas; [A complex combination of hydrocarbons produced by distillation of products from a catalytic reforming process. It consists of hydrocarbons having carbon numbers in the range of C ₁ through C ₆ , predominantly C ₁ through C ₄ .]	270-760-8	68477-79-2	Flam. Gas 1 Press. Gas Carc. 1A Muta. 1B	H220 H350 H340	GHS02 GHS04 GHS08 Dgr	H220 H350 H340			H K U
649-067-00-3	Gases (petroleum), C ₃₋₅ olefinic-paraffinic alkylation feed; Petroleum gas; [A complex combination of olefinic and paraffinic hydrocarbons having carbon numbers in the range of C ₃ through C ₅ which are used as alkylation feed. Ambient temperatures normally exceed the critical temperature of these combinations.]	270-765-5	68477-83-8	Flam. Gas 1 Press. Gas Carc. 1A Muta. 1B	H220 H350 H340	GHS02 GHS04 GHS08 Dgr	H220 H350 H340			H K U

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649-068-00-9	Gases (petroleum), C ₄ -rich; Petroleum gas; [A complex combination of hydrocarbons produced by distillation of products from a catalytic fractionation process. It consists of aliphatic hydrocarbons having carbon numbers in the range of C ₃ through C ₅ , predominantly C ₄ .]	270-767-6	68477-85-0	Flam. Gas 1 Press. Gas Carc. 1A Muta. 1B	H220 H350 H340	GHS02 GHS04 GHS08 Dgr	H220 H350 H340			H K U
649-069-00-4	Gases (petroleum), deethanizer overheads; Petroleum gas; [A complex combination of hydrocarbons produced from distillation of the gas and gasoline fractions from the catalytic cracking process. It contains predominantly ethane and ethylene.]	270-768-1	68477-86-1	Flam. Gas 1 Press. Gas Carc. 1A Muta. 1B	H220 H350 H340	GHS02 GHS04 GHS08 Dgr	H220 H350 H340			H K U
649-070-00-X	Gases (petroleum), deisobutanizer tower overheads; Petroleum gas; [A complex combination of hydrocarbons produced by the atmospheric distillation of a butane-butylene stream. It consists of aliphatic hydrocarbons having carbon numbers predominantly in the range of C ₃ through C ₄ .]	270-769-7	68477-87-2	Flam. Gas 1 Press. Gas Carc. 1A Muta. 1B	H220 H350 H340	GHS02 GHS04 GHS08 Dgr	H220 H350 H340			H K U
649-071-00-5	Gases (petroleum), depropanizer dry, propene-rich; Petroleum gas; [A complex combination of hydrocarbons produced by the distillation of products from the gas and gasoline fractions of a catalytic cracking process. It consists predominantly of propylene with some ethane and propane.]	270-772-3	68477-90-7	Flam. Gas 1 Press. Gas Carc. 1A Muta. 1B	H220 H350 H340	GHS02 GHS04 GHS08 Dgr	H220 H350 H340			H K U

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649-072-00-0	Gases (petroleum), depropanizer overheads; Petroleum gas; [A complex combination of hydrocarbons produced by distillation of products from the gas and gasoline fractions of a catalytic cracking process. It consists of aliphatic hydrocarbons having carbon numbers predominantly in the range of C ₂ through C ₄ .]	270-773-9	68477-91-8	Flam. Gas 1 Press. Gas Carc. 1A Muta. 1B	H220 H350 H340	GHS02 GHS04 GHS08 Dgr	H220 H350 H340			H K U
649-073-00-6	Gases (petroleum), gas recovery plant depropanizer overheads; Petroleum gas; [A complex combination of hydrocarbons obtained by fractionation of miscellaneous hydrocarbon streams. It consists predominantly of hydrocarbons having carbon numbers in the range of C ₁ through C ₄ , predominantly propane.]	270-777-0	68477-94-1	Flam. Gas 1 Press. Gas Carc. 1A Muta. 1B	H220 H350 H340	GHS02 GHS04 GHS08 Dgr	H220 H350 H340			H K U
649-074-00-1	Gases (petroleum), Girbatol unit feed; Petroleum gas; [A complex combination of hydrocarbons that is used as the feed into the Girbatol unit to remove hydrogen sulfide. It consists of aliphatic hydrocarbons having carbon numbers predominantly in the range of C ₂ through C ₄ .]	270-778-6	68477-95-2	Flam. Gas 1 Press. Gas Carc. 1A Muta. 1B	H220 H350 H340	GHS02 GHS04 GHS08 Dgr	H220 H350 H340			H K U
649-075-00-7	Gases (petroleum), isomerized naphtha fractionator, C ₄ -rich, hydrogen sulfide-free; Petroleum gas	270-782-8	68477-99-6	Flam. Gas 1 Press. Gas Carc. 1A Muta. 1B	H220 H350 H340	GHS02 GHS04 GHS08 Dgr	H220 H350 H340			H K U

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649-076-00-2	Tail gas (petroleum), catalytic cracked clarified oil and thermal cracked vacuum residue fractionation reflux drum; Petroleum gas; [A complex combination of hydrocarbons obtained from fractionation of catalytic cracked clarified oil and thermal cracked vacuum residue. It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C ₁ through C ₆ .]	270-802-5	68478-21-7	Flam. Gas 1 Press. Gas Carc. 1A Muta. 1B	H220 H350 H340	GHS02 GHS04 GHS08 Dgr	H220 H350 H340			H K U
649-077-00-8	Tail gas (petroleum), catalytic cracked naphtha stabilization absorber; Petroleum gas; [A complex combination of hydrocarbons obtained from the stabilization of catalytic cracked naphtha. It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C ₁ through C ₆ .]	270-803-0	68478-22-8	Flam. Gas 1 Press. Gas Carc. 1A Muta. 1B	H220 H350 H340	GHS02 GHS04 GHS08 Dgr	H220 H350 H340			H K U
649-078-00-3	Tail gas (petroleum), catalytic cracker, catalytic reformer and hydrodesulfurizer combined fractionater; Petroleum gas; [A complex combination of hydrocarbons obtained from the fractionation of products from catalytic cracking, catalytic reforming and hydrodesulfurizing processes treated to remove acidic impurities. It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C ₁ through C ₅ .]	270-804-6	68478-24-0	Flam. Gas 1 Press. Gas Carc. 1A Muta. 1B	H220 H350 H340	GHS02 GHS04 GHS08 Dgr	H220 H350 H340			H K U
649-079-00-9	Tail gas (petroleum), catalytic reformed naphtha fractionation stabilizer; Petroleum gas; [A complex combination of hydrocarbons obtained from the fractionation stabilization of catalytic reformed naphtha. It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C ₁ through C ₄ .]	270-806-7	68478-26-2	Flam. Gas 1 Press. Gas Carc. 1A Muta. 1B	H220 H350 H340	GHS02 GHS04 GHS08 Dgr	H220 H350 H340			H K U

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649-080-00-4	Tail gas (petroleum), saturate gas plant mixed stream, C ₄ -rich; Petroleum gas; [A complex combination of hydrocarbons obtained from the fractionation stabilization of straight-run naphtha, distillation tail gas and catalytic reformed naphtha stabilizer tail gas. It consists of hydrocarbons having carbon numbers in the range of C ₃ through C ₆ , predominantly butane and isobutane.]	270-813-5	68478-32-0	Flam. Gas 1 Press. Gas Carc. 1A Muta. 1B	H220 H350 H340	GHS02 GHS04 GHS08 Dgr	H220 H350 H340			H K U
649-081-00-X	Tail gas (petroleum), saturate gas recovery plant, C ₁₋₂ -rich; Petroleum gas; [A complex combination of hydrocarbons obtained from fractionation of distillate tail gas, straight-run naphtha, catalytic reformed naphtha stabilizer tail gas. It consists predominantly of hydrocarbons having carbon numbers in the range of C ₁ through C ₅ , predominantly methane and ethane.]	270-814-0	68478-33-1	Flam. Gas 1 Press. Gas Carc. 1A Muta. 1B	H220 H350 H340	GHS02 GHS04 GHS08 Dgr	H220 H350 H340			H K U
649-082-00-5	Tail gas (petroleum), vacuum residues thermal cracker; Petroleum gas; [A complex combination of hydrocarbons obtained from the thermal cracking of vacuum residues. It consists of hydrocarbons having carbon numbers predominantly in the range of C ₁ through C ₅ .]	270-815-6	68478-34-2	Flam. Gas 1 Press. Gas Carc. 1A Muta. 1B	H220 H350 H340	GHS02 GHS04 GHS08 Dgr	H220 H350 H340			H K U
649-083-00-0	Hydrocarbons, C ₃₋₄ -rich, petroleum distillate; Petroleum gas; [A complex combination of hydrocarbons produced by distillation and condensation of crude oil. It consists of hydrocarbons having carbon numbers in the range of C ₃ through C ₅ , predominantly C ₃ through C ₄ .]	270-990-9	68512-91-4	Flam. Gas 1 Press. Gas Carc. 1A Muta. 1B	H220 H350 H340	GHS02 GHS04 GHS08 Dgr	H220 H350 H340			H K U

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649-084-00-6	Gases (petroleum), full-range straight-run naphtha dehexanizer off; petroleum gas; [A complex combination of hydrocarbons obtained by the fractionation of the full-range straight-run naphtha. It consists of hydrocarbons having carbon numbers predominantly in the range of C ₂ through C ₆ .]	271-000-8	68513-15-5	Flam. Gas 1 Press. Gas Carc. 1A Muta. 1B	H220 H350 H340	GHS02 GHS04 GHS08 Dgr	H220 H350 H340			H K U
649-085-00-1	Gases (petroleum), hydrocracking depropanizer off, hydrocarbon-rich; Petroleum gas; [A complex combination of hydrocarbon produced by the distillation of products from a hydrocracking process. It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C ₁ through C ₄ . It may also contain small amounts of hydrogen and hydrogen sulfide.]	271-001-3	68513-16-6	Flam. Gas 1 Press. Gas Carc. 1A Muta. 1B	H220 H350 H340	GHS02 GHS04 GHS08 Dgr	H220 H350 H340			H K U
649-086-00-7	Gases (petroleum), light straight-run naphtha stabilizer off; Petroleum gas; [A complex combination of hydrocarbons obtained by the stabilization of light straight-run naphtha. It consists of saturated aliphatic hydrocarbons having carbon numbers predominantly in the range of C ₂ through C ₆ .]	271-002-9	68513-17-7	Flam. Gas 1 Press. Gas Carc. 1A Muta. 1B	H220 H350 H340	GHS02 GHS04 GHS08 Dgr	H220 H350 H340			H K U
649-087-00-2	Residues (petroleum), alkylation splitter, C ₄ -rich; Petroleum gas; [A complex residuum from the distillation of streams various refinery operations. It consists of hydrocarbons having carbon numbers in the range of C ₄ through C ₅ , predominantly butane and boiling in the range of approximately - 11.7 oC to 27.8 oC (11oF to 82oF).]	271-010-2	68513-66-6	Flam. Gas 1 Press. Gas Carc. 1A Muta. 1B	H220 H350 H340	GHS02 GHS04 GHS08 Dgr	H220 H350 H340			H K U

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649-088-00-8	Hydrocarbons, C ₁₋₄ ; Petroleum gas; [A complex combination of hydrocarbons provided by thermal cracking and absorber operations and by distillation of crude oil. It consists of hydrocarbons having carbon numbers predominantly in the range of C ₁ through C ₄ and boiling in the range of approximately minus 164 oC to minus 0.5 oC (-263oF to 31oF).]	271-032-2	68514-31-8	Flam. Gas 1 Press. Gas Carc. 1A Muta. 1B	H220 H350 H340	GHS02 GHS04 GHS08 Dgr	H220 H350 H340			H K U
649-089-00-3	Hydrocarbons, C ₁₋₄ , sweetened; Petroleum gas; [A complex combination of hydrocarbons obtained by subjecting hydrocarbon gases to a sweetening process to convert mercaptans or to remove acidic impurities. It consists of hydrocarbons having carbon numbers predominantly in the range of C ₁ through C ₄ and boiling in the range of approximately - 164 oC to - 0.5 oC (-263oF to 31oF).]	271-038-5	68514-36-3	Flam. Gas 1 Press. Gas Carc. 1A Muta. 1B	H220 H350 H340	GHS02 GHS04 GHS08 Dgr	H220 H350 H340			H K U
649-090-00-9	Hydrocarbons, C ₁₋₃ ; Petroleum gas; [A complex combination of hydrocarbons having carbon numbers predominantly in the range of C ₁ through C ₃ and boiling in the range of approximately minus 164 oC to minus 42 oC (-263oF to - 44oF).]	271-259-7	68527-16-2	Flam. Gas 1 Press. Gas Carc. 1A Muta. 1B	H220 H350 H340	GHS02 GHS04 GHS08 Dgr	H220 H350 H340			H K U
649-091-00-4	Hydrocarbons, C ₁₋₄ , debutanizer fraction; Petroleum gas	271-261-8	68527-19-5	Flam. Gas 1 Press. Gas Carc. 1A Muta. 1B	H220 H350 H340	GHS02 GHS04 GHS08 Dgr	H220 H350 H340			H K U
649-092-00-X	Gases (petroleum), C ₁₋₅ , wet; Petroleum gas; [A complex combination of hydrocarbons produced by the distillation of crude oil and/or the cracking of tower gas oil. It consists of hydrocarbons having carbon numbers predominantly in the range of C ₁ through C ₅ .]	271-624-0	68602-83-5	Flam. Gas 1 Press. Gas Carc. 1A Muta. 1B	H220 H350 H340	GHS02 GHS04 GHS08 Dgr	H220 H350 H340			H K U

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649-093-00-5	Hydrocarbons, C ₂₋₄ ; Petroleum gas	271-734-9	68606-25-7	Flam. Gas 1 Press. Gas Carc. 1A Muta. 1B	H220 H350 H340	GHS02 GHS04 GHS08 Dgr	H220 H350 H340			H K U
649-094-00-0	Hydrocarbons, C ₃ ; Petroleum gas	271-735-4	68606-26-8	Flam. Gas 1 Press. Gas Carc. 1A Muta. 1B	H220 H350 H340	GHS02 GHS04 GHS08 Dgr	H220 H350 H340			H K U
649-095-00-6	Gases (petroleum), alkylation feed; Petroleum gas; [A complex combination of hydrocarbons produced by the catalytic cracking of gas oil. It consists of hydrocarbons having carbon numbers predominantly in the range of C ₃ through C ₄ .]	271-737-5	68606-27-9	Flam. Gas 1 Press. Gas Carc. 1A Muta. 1B	H220 H350 H340	GHS02 GHS04 GHS08 Dgr	H220 H350 H340			H K U
649-096-00-1	Gases (petroleum), depropanizer bottoms fractionation off; Petroleum gas; [A complex combination of hydrocarbons obtained from the fractionation of depropanizer bottoms. It consists predominantly of butane, isobutane and butadiene.]	271-742-2	68606-34-8	Flam. Gas 1 Press. Gas Carc. 1A Muta. 1B	H220 H350 H340	GHS02 GHS04 GHS08 Dgr	H220 H350 H340			H K U
649-097-00-7	Gases (petroleum), refinery blend; Petroleum gas; [A complex combination obtained from various processes. It consists of hydrogen, hydrogen sulfide and hydrocarbons having carbon numbers predominantly in the range of C ₁ through C ₅ .]	272-183-7	68783-07-3	Flam. Gas 1 Press. Gas Carc. 1A Muta. 1B	H220 H350 H340	GHS02 GHS04 GHS08 Dgr	H220 H350 H340			H K U

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649-098-00-2	Gases (petroleum), catalytic cracking; Petroleum gas; [A complex combination of hydrocarbons produced by the distillation of the products from a catalytic cracking process. It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C ₃ through C ₅ .]	272-203-4	68783-64-2	Flam. Gas 1 Press. Gas Carc. 1A Muta. 1B	H220 H350 H340	GHS02 GHS04 GHS08 Dgr	H220 H350 H340			H K U
649-099-00-8	Gases (petroleum), C ₂₋₄ , sweetened; Petroleum gas; [A complex combination of hydrocarbons obtained by subjecting a petroleum distillate to a sweetening process to convert mercaptans or to remove acidic impurities. It consists predominantly of saturated and unsaturated hydrocarbons having carbon numbers predominantly in the range of C ₂ through C ₄ and boiling in the range of approximately - 51 oC to - 34 oC (-60oF to - 30oF).]	272-205-5	68783-65-3	Flam. Gas 1 Press. Gas Carc. 1A Muta. 1B	H220 H350 H340	GHS02 GHS04 GHS08 Dgr	H220 H350 H340			H K U
649-100-00-1	Gases (petroleum), crude oil fractionation off; Petroleum gas; [A complex combination of hydrocarbons produced by the fractionation of crude oil. It consists of saturated aliphatic hydrocarbons having carbon numbers predominantly in the range of C ₁ through C ₅ .]	272-871-7	68918-99-0	Flam. Gas 1 Press. Gas Carc. 1A Muta. 1B	H220 H350 H340	GHS02 GHS04 GHS08 Dgr	H220 H350 H340			H K U
649-101-00-7	Gases (petroleum), dehexanizer off; Petroleum gas; [A complex combination of hydrocarbons obtained by the fractionation of combined naphtha streams. It consists of saturated aliphatic hydrocarbons having carbon numbers predominantly in the range of C ₁ through C ₅ .]	272-872-2	68919-00-6	Flam. Gas 1 Press. Gas Carc. 1A Muta. 1B	H220 H350 H340	GHS02 GHS04 GHS08 Dgr	H220 H350 H340			H K U

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649-102-00-2	Gases (petroleum), light straight run gasoline fractionation stabilizer off; Petroleum gas; [A complex combination of hydrocarbons obtained by the fractionation of light straight-run gasoline. It consists of saturated aliphatic hydrocarbons having carbon numbers predominantly in the range of C ₁ through C ₅ .]	272-878-5	68919-05-1	Flam. Gas 1 Press. Gas Carc. 1A Muta. 1B	H220 H350 H340	GHS02 GHS04 GHS08 Dgr	H220 H350 H340			H K U
649-103-00-8	Gases (petroleum), naphtha unifier desulfurization stripper off; Petroleum gas; [A complex combination of hydrocarbons produced by a naphtha unifier desulfurization process and stripped from the naphtha product. It consists of saturated aliphatic hydrocarbons having carbon numbers predominantly in the range of C ₁ through C ₄ .]	272-879-0	68919-06-2	Flam. Gas 1 Press. Gas Carc. 1A Muta. 1B	H220 H350 H340	GHS02 GHS04 GHS08 Dgr	H220 H350 H340			H K U
649-104-00-3	Gases (petroleum), straight-run naphtha catalytic reforming off; Petroleum gas; [A complex combination of hydrocarbons obtained by the catalytic reforming of straight-run naphtha and fractionation of the total effluent. It consists of methane, ethane, and propane.]	272-882-7	68919-09-5	Flam. Gas 1 Press. Gas Carc. 1A Muta. 1B	H220 H350 H340	GHS02 GHS04 GHS08 Dgr	H220 H350 H340			H K U
649-105-00-9	Gases (petroleum), fluidized catalytic cracker splitter overheads; Petroleum gas; [A complex combination of hydrocarbons produced by the fractionation of the charge to the C ₃ -C ₄ splitter. It consists predominantly of C ₃ hydrocarbons.]	272-893-7	68919-20-0	Flam. Gas 1 Press. Gas Carc. 1A Muta. 1B	H220 H350 H340	GHS02 GHS04 GHS08 Dgr	H220 H350 H340			H K U

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649-106-00-4	Gases (petroleum), straight-run stabilizer off; Petroleum gas; [A complex combination of hydrocarbons obtained from the fractionation of the liquid from the first tower used in the distillation of crude oil. It consists of saturated aliphatic hydrocarbons having carbon numbers predominantly in the range of C ₁ through C ₄ .]	272-883-2	68919-10-8	Flam. Gas 1 Press. Gas Carc. 1A Muta. 1B	H220 H350 H340	GHS02 GHS04 GHS08 Dgr	H220 H350 H340			H K U
649-107-00-X	Gases (petroleum), catalytic cracked naphtha debutanizer; Petroleum gas; [A complex combination of hydrocarbons obtained from fractionation of catalytic cracked naphtha. It consists of hydrocarbons having carbon numbers predominantly in the range of C ₁ through C ₄ .]	273-169-3	68952-76-1	Flam. Gas 1 Press. Gas Carc. 1A Muta. 1B	H220 H350 H340	GHS02 GHS04 GHS08 Dgr	H220 H350 H340			H K U
649-108-00-5	Tail gas (petroleum), catalytic cracked distillate and naphtha stabilizer; Petroleum gas; [A complex combination of hydrocarbons obtained by the fractionation of catalytic cracked naphtha and distillate. It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C ₁ through C ₄ .]	273-170-9	68952-77-2	Flam. Gas 1 Press. Gas Carc. 1A Muta. 1B	H220 H350 H340	GHS02 GHS04 GHS08 Dgr	H220 H350 H340			H K U
649-109-00-0	Tail gas (petroleum), thermal-cracked distillate, gas oil and naphtha absorber; petroleum gas; [A complex combination of hydrocarbons obtained from the separation of thermal-cracked distillates, naphtha and gas oil. It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C ₁ through C ₆ .]	273-175-6	68952-81-8	Flam. Gas 1 Press. Gas Carc. 1A Muta. 1B	H220 H350 H340	GHS02 GHS04 GHS08 Dgr	H220 H350 H340			H K U

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649-110-00-6	Tail gas (petroleum), thermal cracked hydrocarbon fractionation stabilizer, petroleum coking; Petroleum gas; [A complex combination of hydrocarbons obtained from the fractionation stabilization of thermal cracked hydrocarbons from petroleum coking process. It consists of hydrocarbons having carbon numbers predominantly in the range of C ₁ through C ₆ .]	273-176-1	68952-82-9	Flam. Gas 1 Press. Gas Carc. 1A Muta. 1B	H220 H350 H340	GHS02 GHS04 GHS08 Dgr	H220 H350 H340			H K U
649-111-00-1	Gases (petroleum, light steam-cracked, butadiene conc.; Petroleum gas; [A complex combination of hydrocarbons produced by the distillation of products from a thermal cracking process, It consists of hydrocarbons having a carbon number predominantly of C ₄ .]	273-265-5	68955-28-2	Flam. Gas 1 Press. Gas Carc. 1A Muta. 1B	H220 H350 H340	GHS02 GHS04 GHS08 Dgr	H220 H350 H340			H K U
649-112-00-7	Gases (petroleum), straight-run naphtha catalytic reformer stabilizer overhead; Petroleum gas; [A complex combination of hydrocarbons obtained by the catalytic reforming of straight-run naphtha and the fractionation of the total effluent. It consists of saturated aliphatic hydrocarbons having carbon numbers predominantly in the range of C ₂ through C ₄ .]	273-270-2	68955-34-0	Flam. Gas 1 Press. Gas Carc. 1A Muta. 1B	H220 H350 H340	GHS02 GHS04 GHS08 Dgr	H220 H350 H340			H K U
649-113-00-2	Hydrocarbons, C ₄ ; Petroleum gas	289-339-5	87741-01-3	Flam. Gas 1 Press. Gas Carc. 1A Muta. 1B	H220 H350 H340	GHS02 GHS04 GHS08 Dgr	H220 H350 H340			H K U
649-114-00-8	Alkanes, C ₁₋₄ , C ₃ -rich; Petroleum gas	292-456-4	90622-55-2	Flam. Gas 1 Press. Gas Carc. 1A Muta. 1B	H220 H350 H340	GHS02 GHS04 GHS08 Dgr	H220 H350 H340			H K U

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649-115-00-3	Gases (petroleum), steam-cracker C ₃ -rich; Petroleum gas; [A complex combination of hydrocarbons produced by the distillation of products from a steam cracking process. It consists predominantly of propylene with some propane and boils in the range of approximately - 70 oC to 0 oC (-94oF to 32oF).]	295-404-9	92045-22-2	Flam. Gas 1 Press. Gas Carc. 1A Muta. 1B	H220 H350 H340	GHS02 GHS04 GHS08 Dgr	H220 H350 H340			H K U
649-116-00-9	Hydrocarbons, C ₄ , steam-cracker distillate; Petroleum gas; [A complex combination of hydrocarbons produced by the distillation of the products of a steam cracking process. It consists predominantly of hydrocarbons having a carbon number of C ₄ , predominantly 1-butene and 2-butene, containing also butane and isobutene and boiling in the range of approximately minus 12 oC to 5 oC (10.4oF to 41oF).]	295-405-4	92045-23-3	Flam. Gas 1 Press. Gas Carc. 1A Muta. 1B	H220 H350 H340	GHS02 GHS04 GHS08 Dgr	H220 H350 H340			H K U
649-117-00-4	Petroleum gases, liquefied, sweetened, C ₄ fraction; Petroleum gas; [A complex combination of hydrocarbons obtained by subjecting a liquified petroleum gas mix to a sweetening process to oxidize mercaptans or to remove acidic impurities. It consists predominantly of C ₄ saturated and unsaturated hydrocarbons.]	295-463-0	92045-80-2	Flam. Gas 1 Press. Gas Carc. 1A Muta. 1B	H220 H350 H340	GHS02 GHS04 GHS08 Dgr	H220 H350 H340			HKSU
649-118-00-X	Hydrocarbons, C ₄ , 1,3-butadiene- and isobutene-free; Petroleum gas	306-004-1	95465-89-7	Flam. Gas 1 Press. Gas Carc. 1B	H220 H350	GHS02 GHS04 GHS08 Dgr	H220 H350			H K U
649-119-00-5	Raffinates (petroleum), steam-cracked C ₄ fraction cuprous ammonium acetate extn., C ₃₋₅ and C ₃₋₅ unsatd., butadiene-free; Petroleum gas	307-769-4	97722-19-5	Flam. Gas 1 Press. Gas Carc. 1A Muta. 1B	H220 H350 H340	GHS02 GHS04 GHS08 Dgr	H220 H350 H340			H K U

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649-120-00-0	Gases (petroleum), amine system feed; Refinery gas; [The feed gas to the amine system for removal of hydrogen sulfide. It consists of hydrogen. Carbon monoxide, carbon dioxide, hydrogen sulfide and aliphatic hydrocarbons having carbon numbers predominantly in the range of C ₁ through C ₅ may also be present.]	270-746-1	68477-65-6	Flam. Gas 1 Press. Gas Carc. 1A Muta. 1B	H220 H350 H340	GHS02 GHS04 GHS08 Dgr	H220 H350 H340			H K U
649-121-00-6	Gases (petroleum), benzene unit hydrodesulfurizer off; Refinery gas; [Off gases produced by the benzene unit. It consists primarily of hydrogen. Carbon monoxide and hydrocarbons having carbon numbers predominantly in the range of C ₁ through C ₆ , including benzene, may also be present.]	270-747-7	68477-66-7	Flam. Gas 1 Press. Gas Carc. 1A Muta. 1B	H220 H350 H340	GHS02 GHS04 GHS08 Dgr	H220 H350 H340			H K U
649-122-00-1	Gases (petroleum), benzene unit recycle, hydrogen-rich; Refinery gas; [A complex combination of hydrocarbons obtained by recycling the gases of the benzene unit. It consists primarily of hydrogen with various small amounts of carbon monoxide and hydrocarbons having carbon numbers in the range of C ₁ through C ₆ .]	270-748-2	68477-67-8	Flam. Gas 1 Press. Gas Carc. 1A Muta. 1B	H220 H350 H340	GHS02 GHS04 GHS08 Dgr	H220 H350 H340			H K U
649-123-00-7	Gases (petroleum), blend oil, hydrogen-nitrogen-rich; Refinery gas; [A complex combination of hydrocarbons obtained by distillation of a blend oil. It consists primarily of hydrogen and nitrogen with various small amounts of carbon monoxide, carbon dioxide, and aliphatic hydrocarbons having carbon numbers predominantly in the range of C ₁ through C ₅ .]	270-749-8	68477-68-9	Flam. Gas 1 Press. Gas Carc. 1A Muta. 1B	H220 H350 H340	GHS02 GHS04 GHS08 Dgr	H220 H350 H340			H K U

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649-124-00-2	Gases (petroleum), catalytic reformed naphtha stripper overheads; Refinery gas; [A complex combination of hydrocarbons obtained from stabilization of catalytic reformed naphtha. Its consists of hydrogen and saturated hydrocarbons having carbon numbers predominantly in the range of C ₁ through C ₄ .]	270-759-2	68477-77-0	Flam. Gas 1 Press. Gas Carc. 1A Muta. 1B	H220 H350 H340	GHS02 GHS04 GHS08 Dgr	H220 H350 H340			H K U
649-125-00-8	Gases (petroleum), C ₆₋₈ catalytic reformer recycle; Refinery gas; [A complex combination of hydrocarbons produced by distillation of products from catalytic reforming of C ₆ -C ₈ feed and recycled to conserve hydrogen. It consists primarily of hydrogen. It may also contain various small amounts of carbon monoxide, carbon dioxide, nitrogen, and hydrocarbons having carbon numbers predominantly in the range of C ₁ through C ₆ .]	270-761-3	68477-80-5	Flam. Gas 1 Press. Gas Carc. 1A Muta. 1B	H220 H350 H340	GHS02 GHS04 GHS08 Dgr	H220 H350 H340			H K U
649-126-00-3	Gases (petroleum), C ₆₋₈ catalytic reformer; Refinery gas; [A complex combination of hydrocarbons produced by distillation of products from catalytic reforming of C ₆ -C ₈ feed. It consists of hydrocarbons having carbon numbers in the range of C ₁ through C ₅ and hydrogen.]	270-762-9	68477-81-6	Flam. Gas 1 Press. Gas Carc. 1A Muta. 1B	H220 H350 H340	GHS02 GHS04 GHS08 Dgr	H220 H350 H340			H K U
649-127-00-9	Gases (petroleum), C ₆₋₈ catalytic reformer recycle, hydrogen-rich; Refinery gas	270-763-4	68477-82-7	Flam. Gas 1 Press. Gas Carc. 1A Muta. 1B	H220 H350 H340	GHS02 GHS04 GHS08 Dgr	H220 H350 H340			H K U

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649-128-00-4	Gases (petroleum), C ₂ -return stream; Refinery gas; [A complex combination of hydrocarbons obtained by the extraction of hydrogen from a gas stream which consists primarily of hydrogen with small amounts of nitrogen, carbon monoxide, methane, ethane, and ethylene. It contains predominantly hydrocarbons such as methane, ethane, and ethylene with small amounts of hydrogen, nitrogen and carbon monoxide.]	270-766-0	68477-84-9	Flam. Gas 1 Press. Gas Carc. 1A Muta. 1B	H220 H350 H340	GHS02 GHS04 GHS08 Dgr	H220 H350 H340			H K U
649-129-00-X	Gases (petroleum), dry sour, gas-concn.-unit-off; Refinery gas; [The complex combination of dry gases from a gas concentration unit. It consists of hydrogen, hydrogen sulfide and hydrocarbons having carbon numbers predominantly in the range of C ₁ through C ₃ .]	270-774-4	68477-92-9	Flam. Gas 1 Press. Gas Carc. 1A Muta. 1B	H220 H350 H340	GHS02 GHS04 GHS08 Dgr	H220 H350 H340			H K U
649-130-00-5	Gases (petroleum), gas concn. reabsorber distn.; Refinery gas; [A complex combination of hydrocarbons produced by distillation of products from combined gas streams in a gas concentration reabsorber. It consists predominantly of hydrogen, carbon monoxide, carbon dioxide, nitrogen, hydrogen sulfide and hydrocarbons having carbon numbers in the range of C ₁ through C ₃ .]	270-776-5	68477-93-0	Flam. Gas 1 Press. Gas Carc. 1A Muta. 1B	H220 H350 H340	GHS02 GHS04 GHS08 Dgr	H220 H350 H340			H K U
649-131-00-0	Gases (petroleum), hydrogen absorber off; Refinery gas; [A complex combination obtained by absorbing hydrogen from a hydrogen rich stream. It consists of hydrogen, carbon monoxide, nitrogen, and methane with small amounts of C ₂ hydrocarbons.]	270-779-1	68477-96-3	Flam. Gas 1 Press. Gas Carc. 1A Muta. 1B	H220 H350 H340	GHS02 GHS04 GHS08 Dgr	H220 H350 H340			H K U

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649-132-00-6	Gases (petroleum), hydrogen-rich; Refinery gas; [A complex combination separated as a gas from hydrocarbon gases by chilling. It consists primarily of hydrogen with various small amounts of carbon monoxide, nitrogen, methane, and C ₂ hydrocarbons.]	270-780-7	68477-97-4	Flam. Gas 1 Press. Gas Carc. 1A Muta. 1B	H220 H350 H340	GHS02 GHS04 GHS08 Dgr	H220 H350 H340			H K U
649-133-00-1	Gases (petroleum), hydrotreater blend oil recycle, hydrogen-nitrogen-rich; Refinery gas; [A complex combination obtained from recycled hydrotreated blend oil. It consists primarily of hydrogen and nitrogen with various small amounts of carbon monoxide, carbon dioxide and hydrocarbons having carbon numbers predominantly in the range of C ₁ through C ₅ .]	270-781-2	68477-98-5	Flam. Gas 1 Press. Gas Carc. 1A Muta. 1B	H220 H350 H340	GHS02 GHS04 GHS08 Dgr	H220 H350 H340			H K U
649-134-00-7	Gases (petroleum), recycle, hydrogen-rich; Refinery gas; [A complex combination obtained from recycled reactor gases. It consists primarily of hydrogen with various small amounts of carbon monoxide, carbon dioxide, nitrogen, hydrogen sulfide, and saturated aliphatic hydrocarbons having carbon numbers in the range of C ₁ through C ₅ .]	270-783-3	68478-00-2	Flam. Gas 1 Press. Gas Carc. 1A Muta. 1B	H220 H350 H340	GHS02 GHS04 GHS08 Dgr	H220 H350 H340			H K U
649-135-00-2	Gases (petroleum), reformer make-up, hydrogen-rich; Refinery gas; [A complex combination obtained from the reformers. It consists primarily of hydrogen with various small amounts of carbon monoxide and aliphatic hydrocarbons having carbon numbers predominantly in the range of C ₁ through C ₅ .]	270-784-9	68478-01-3	Flam. Gas 1 Press. Gas Carc. 1A Muta. 1B	H220 H350 H340	GHS02 GHS04 GHS08 Dgr	H220 H350 H340			H K U

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649-136-00-8	Gases (petroleum), reforming hydrotreater; Refinery gas; [A complex combination obtained from the reforming hydrotreating process. It consists primarily of hydrogen, methane, and ethane with various small amounts of hydrogen sulfide and aliphatic hydrocarbons having carbon numbers predominantly in the range of C ₃ through C ₅ .]	270-785-4	68478-02-4	Flam. Gas 1 Press. Gas Carc. 1A Muta. 1B	H220 H350 H340	GHS02 GHS04 GHS08 Dgr	H220 H350 H340			H K U
649-137-00-3	Gases (petroleum), reforming hydrotreater, hydrogen-methane-rich; Refinery gas; [A complex combination obtained from the reforming hydrotreating process. It consists primarily of hydrogen and methane with various small amounts of carbon monoxide, carbon dioxide, nitrogen and saturated aliphatic hydrocarbons having carbon numbers predominantly in the range of C ₂ through C ₅ .]	270-787-5	68478-03-5	Flam. Gas 1 Press. Gas Carc. 1A Muta. 1B	H220 H350 H340	GHS02 GHS04 GHS08 Dgr	H220 H350 H340			H K U
649-138-00-9	Gases (petroleum), reforming hydrotreater make-up, hydrogen-rich; Refinery gas; [A complex combination obtained from the reforming hydrotreating process. It consists primarily of hydrogen with various small amounts of carbon monoxide and aliphatic hydrocarbons having carbon numbers predominantly in the range of C ₁ through C ₅ .]	270-788-0	68478-04-6	Flam. Gas 1 Press. Gas Carc. 1A Muta. 1B	H220 H350 H340	GHS02 GHS04 GHS08 Dgr	H220 H350 H340			H K U
649-139-00-4	Gases (petroleum), thermal cracking distn.; Refinery gas; [A complex combination produced by distillation of products from a thermal cracking process. It consists of hydrogen, hydrogen sulfide, carbon monoxide, carbon dioxide and hydrocarbons having carbon numbers predominantly in the range of C ₁ through C ₆ .]	270-789-6	68478-05-7	Flam. Gas 1 Press. Gas Carc. 1A Muta. 1B	H220 H350 H340	GHS02 GHS04 GHS08 Dgr	H220 H350 H340			H K U

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649-140-00-X	Tail gas (petroleum), catalytic cracker refractionation absorber; Refinery gas; [A complex combination of hydrocarbons obtained from refractionation of products from a catalytic cracking process. It consists of hydrogen and hydrocarbons having carbon numbers predominantly in the range of C ₁ through C ₃ .]	270-805-1	68478-25-1	Flam. Gas 1 Press. Gas Carc. 1A Muta. 1B	H220 H350 H340	GHS02 GHS04 GHS08 Dgr	H220 H350 H340			H K U
649-141-00-5	Tail gas (petroleum), catalytic reformed naphtha separator; Refinery gas; [A complex combination of hydrocarbons obtained from the catalytic reforming of straight run naphtha. It consists of hydrogen and hydrocarbons having carbon numbers predominantly in the range of C ₁ through C ₆ .]	270-807-2	68478-27-3	Flam. Gas 1 Press. Gas Carc. 1A Muta. 1B	H220 H350 H340	GHS02 GHS04 GHS08 Dgr	H220 H350 H340			H K U
649-142-00-0	Tail gas (petroleum), catalytic reformed naphtha stabilizer; Refinery gas; [A complex combination of hydrocarbons obtained from the stabilization of catalytic reformed naphtha. It consists of hydrogen and hydrocarbons having carbon numbers predominantly in the range of C ₁ through C ₆ .]	270-808-8	68478-28-4	Flam. Gas 1 Press. Gas Carc. 1A Muta. 1B	H220 H350 H340	GHS02 GHS04 GHS08 Dgr	H220 H350 H340			H K U
649-143-00-6	Tail gas (petroleum), cracked distillate hydrotreater separator; Refinery gas; [A complex combination of hydrocarbons obtained by treating cracked distillates with hydrogen in the presence of a catalyst. It consists of hydrogen and saturated aliphatic hydrocarbons having carbon numbers predominantly in the range of C ₁ through C ₅ .]	270-809-3	68478-29-5	Flam. Gas 1 Press. Gas Carc. 1A Muta. 1B	H220 H350 H340	GHS02 GHS04 GHS08 Dgr	H220 H350 H340			H K U

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649-144-00-1	Tail gas (petroleum), hydrodesulfurized straight-run naphtha separator; Refinery gas; [A complex combination of hydrocarbons obtained from hydrodesulfurization of straight-run naphtha. It consists of hydrogen and saturated aliphatic hydrocarbons having carbon numbers predominantly in the range of C ₁ through C ₆ .]	270-810-9	68478-30-8	Flam. Gas 1 Press. Gas Carc. 1A Muta. 1B	H220 H350 H340	GHS02 GHS04 GHS08 Dgr	H220 H350 H340			H K U
649-145-00-7	Gases (petroleum), catalytic reformed straight-run naphtha stabilizer overheads; Refinery gas; [A complex combination of hydrocarbons obtained from the catalytic reforming of straight-run naphtha followed by fractionation of the total effluent. It consists of hydrogen, methane, ethane and propane.]	270-999-8	68513-14-4	Flam. Gas 1 Press. Gas Carc. 1A Muta. 1B	H220 H350 H340	GHS02 GHS04 GHS08 Dgr	H220 H350 H340			H K U
649-146-00-2	Gases (petroleum), reformer effluent high-pressure flash drum off; Refinery gas; [A complex combination produced by the high-pressure flashing of the effluent from the reforming reactor. It consists primarily of hydrogen with various small amounts of methane, ethane, and propane.]	271-003-4	68513-18-8	Flam. Gas 1 Press. Gas Carc. 1A Muta. 1B	H220 H350 H340	GHS02 GHS04 GHS08 Dgr	H220 H350 H340			H K U
649-147-00-8	Gases (petroleum), reformer effluent low-pressure flash drum off; Refinery gas; [A complex combination produced by low-pressure flashing of the effluent from the reforming reactor. It consists primarily of hydrogen with various small amounts of methane, ethane, and propane.]	271-005-5	68513-19-9	Flam. Gas 1 Press. Gas Carc. 1A Muta. 1B	H220 H350 H340	GHS02 GHS04 GHS08 Dgr	H220 H350 H340			H K U

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649-148-00-3	Gases (petroleum), oil refinery gas distn. off; Refinery gas; [A complex combination separated by distillation of a gas stream containing hydrogen, carbon monoxide, carbon dioxide and hydrocarbons having carbon numbers in the range of C ₁ through C ₆ or obtained by cracking ethane and propane. It consists of hydrocarbons having carbon numbers predominantly in the range of C ₁ through C ₂ , hydrogen, nitrogen, and carbon monoxide.]	271-258-1	68527-15-1	Flam. Gas 1 Press. Gas Carc. 1A Muta. 1B	H220 H350 H340	GHS02 GHS04 GHS08 Dgr	H220 H350 H340			H K U
649-149-00-9	Gases (petroleum), benzene unit hydrotreater depentanizer overheads; Refinery gas; [A complex combination produced by treating the feed from the benzene unit with hydrogen in the presence of a catalyst followed by depentanizing. It consists primarily of hydrogen, ethane and propane with various small amounts of nitrogen, carbon monoxide, carbon dioxide and hydrocarbons having carbon numbers predominantly in the range of C ₁ through C ₆ . It may contain trace amounts of benzene.]	271-623-5	68602-82-4	Flam. Gas 1 Press. Gas Carc. 1A Muta. 1B	H220 H350 H340	GHS02 GHS04 GHS08 Dgr	H220 H350 H340			H K U
649-150-00-4	Gases (petroleum), secondary absorber off, fluidized catalytic cracker overheads fractionator; Refinery gas; [A complex combination produced by the fractionation of the overhead products from the catalytic cracking process in the fluidized catalytic cracker. It consists of hydrogen, nitrogen, and hydrocarbons having carbon numbers predominantly in the range of C ₁ through C ₃ .]	271-625-6	68602-84-6	Flam. Gas 1 Press. Gas Carc. 1A Muta. 1B	H220 H350 H340	GHS02 GHS04 GHS08 Dgr	H220 H350 H340			H K U
649-151-00-X	Petroleum products, refinery gases; Refinery gas; [A complex combination which consists primarily of hydrogen with various small amounts of methane, ethane, and propane.]	271-750-6	68607-11-4	Flam. Gas 1 Press. Gas Carc. 1A Muta. 1B	H220 H350 H340	GHS02 GHS04 GHS08 Dgr	H220 H350 H340			H K U

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649-152-00-5	Gases (petroleum), hydrocracking low-pressure separator; Refinery gas; [A complex combination obtained by the liquid-vapor separation of the hydrocracking process reactor effluent. It consists predominantly of hydrogen and saturated hydrocarbons having carbon numbers predominantly in the range of C ₁ through C ₃ .]	272-182-1	68783-06-2	Flam. Gas 1 Press. Gas Carc. 1A Muta. 1B	H220 H350 H340	GHS02 GHS04 GHS08 Dgr	H220 H350 H340			H K U
649-153-00-0	Gases (petroleum), refinery; Refinery gas; [A complex combination obtained from various petroleum refining operations. It consists of hydrogen and hydrocarbons having carbon numbers predominantly in the range of C ₁ through C ₃ .]	272-338-9	68814-67-5	Flam. Gas 1 Press. Gas Carc. 1A Muta. 1B	H220 H350 H340	GHS02 GHS04 GHS08 Dgr	H220 H350 H340			H K U
649-154-00-6	Gases (petroleum), platformer products separator off; Refinery gas; [A complex combination obtained from the chemical reforming of naphthenes to aromatics. It consists of hydrogen and saturated aliphatic hydrocarbons having carbon numbers predominantly in the range of C ₂ through C ₄ .]	272-343-6	68814-90-4	Flam. Gas 1 Press. Gas Carc. 1A Muta. 1B	H220 H350 H340	GHS02 GHS04 GHS08 Dgr	H220 H350 H340			H K U
649-155-00-1	Gases (petroleum), hydrotreated sour kerosine depentanizer stabilizer off; Refinery gas; [The complex combination obtained from the depentanizer stabilization of hydrotreated kerosine. It consists primarily of hydrogen, methane, ethane, and propane with various small amounts of nitrogen, hydrogen sulfide, carbon monoxide and hydrocarbons having carbon numbers predominantly in the range of C ₄ through C ₅ .]	272-775-5	68911-58-0	Flam. Gas 1 Press. Gas Carc. 1A Muta. 1B	H220 H350 H340	GHS02 GHS04 GHS08 Dgr	H220 H350 H340			H K U

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649-156-00-7	Gases (petroleum), hydrotreated sour kerosine flash drum; Refinery gas; [A complex combination obtained from the flash drum of the unit treating sour kerosine with hydrogen in the presence of a catalyst. It consists primarily of hydrogen and methane with various small amounts of nitrogen, carbon monoxide, and hydrocarbons having carbon numbers predominantly in the range of C ₂ through C ₅ .]	272-776-0	68911-59-1	Flam. Gas 1 Press. Gas Carc. 1A Muta. 1B	H220 H350 H340	GHS02 GHS04 GHS08 Dgr	H220 H350 H340			H K U
649-157-00-2	Gases (petroleum), distillate unifiner desulfurization stripper off; Refinery gas; [A complex combination stripped from the liquid product of the unifiner desulfurization process. It consists of hydrogen sulfide, methane, ethane, and propane.]	272-873-8	68919-01-7	Flam. Gas 1 Press. Gas Carc. 1A Muta. 1B	H220 H350 H340	GHS02 GHS04 GHS08 Dgr	H220 H350 H340			H K U
649-158-00-8	Gases (petroleum), fluidized catalytic cracker fractionation off; Refinery gas; [A complex combination produced by the fractionation of the overhead product of the fluidized catalytic cracking process. It consists of hydrogen, hydrogen sulfide, nitrogen, and hydrocarbons having carbon numbers predominantly in the range of C ₁ through C ₅ .]	272-874-3	68919-02-8	Flam. Gas 1 Press. Gas Carc. 1A Muta. 1B	H220 H350 H340	GHS02 GHS04 GHS08 Dgr	H220 H350 H340			H K U
649-159-00-3	Gases (petroleum), fluidized catalytic cracker scrubbing secondary absorber off; Refinery gas; [A complex combination produced by scrubbing the overhead gas from the fluidized catalytic cracker. It consists of hydrogen, nitrogen, methane, ethane and propane.]	272-875-9	68919-03-9	Flam. Gas 1 Press. Gas Carc. 1A Muta. 1B	H220 H350 H340	GHS02 GHS04 GHS08 Dgr	H220 H350 H340			H K U

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649-160-00-9	Gases (petroleum), heavy distillate hydro-treater desulfurization stripper off; Refinery gas; [A complex combination stripped from the liquid product of the heavy distillate hydro-treater desulfurization process. It consists of hydrogen, hydrogen sulfide, and saturated aliphatic hydrocarbons having carbon numbers predominantly in the range of C ₁ through C ₅ .]	272-876-4	68919-04-0	Flam. Gas 1 Press. Gas Carc. 1A Muta. 1B	H220 H350 H340	GHS02 GHS04 GHS08 Dgr	H220 H350 H340			H K U
649-161-00-4	Gases (petroleum), platformer stabilizer off, light ends fractionation; Refinery gas; [A complex combination obtained by the fractionation of the light ends of the platinum reactors of the platformer unit. It consists of hydrogen, methane, ethane and propane.]	272-880-6	68919-07-3	Flam. Gas 1 Press. Gas Carc. 1A Muta. 1B	H220 H350 H340	GHS02 GHS04 GHS08 Dgr	H220 H350 H340			H K U
649-162-00-X	Gases (petroleum), preflash tower off, crude distn.; Refinery gas; [A complex combination produced from the first tower used in the distillation of crude oil. It consists of nitrogen and saturated aliphatic hydrocarbons having carbon numbers predominantly in the range of C ₁ through C ₅ .]	272-881-1	68919-08-4	Flam. Gas 1 Press. Gas Carc. 1A Muta. 1B	H220 H350 H340	GHS02 GHS04 GHS08 Dgr	H220 H350 H340			H K U
649-163-00-5	Gases (petroleum), tar stripper off; Refinery gas; [A complex combination obtained by the fractionation of reduced crude oil. It consists of hydrogen and hydrocarbons having carbon numbers predominantly in the range of C ₁ through C ₄ .]	272-884-8	68919-11-9	Flam. Gas 1 Press. Gas Carc. 1A Muta. 1B	H220 H350 H340	GHS02 GHS04 GHS08 Dgr	H220 H350 H340			H K U
649-164-00-0	Gases (petroleum), unifiner stripper off; Refinery gas; [A combination of hydrogen and methane obtained by fractionation of the products from the unifiner unit.]	272-885-3	68919-12-0	Flam. Gas 1 Press. Gas Carc. 1A Muta. 1B	H220 H350 H340	GHS02 GHS04 GHS08 Dgr	H220 H350 H340			H K U

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649-165-00-6	Tail gas (petroleum), catalytic hydrodesulfurized naphtha separator; Refinery gas; [A complex combination of hydrocarbons obtained from the hydrodesulfurization of naphtha. It consists of hydrogen, methane, ethane, and propane.]	273-173-5	68952-79-4	Flam. Gas 1 Press. Gas Carc. 1A Muta. 1B	H220 H350 H340	GHS02 GHS04 GHS08 Dgr	H220 H350 H340			H K U
649-166-00-1	Tail gas (petroleum), straight-run naphtha hydrodesulfurizer; Refinery gas; [A complex combination obtained from the hydrodesulfurization of straight-run naphtha. It consists of hydrogen and hydrocarbons having carbon numbers predominantly in the range of C ₁ through C ₅ .]	273-174-0	68952-80-7	Press. Gas Flam. Gas 1 Carc. 1A Muta. 1B	H220 H350 H340	GHS02 GHS04 GHS08 Dgr	H220 H350 H340			H K U
649-167-00-7	Gases (petroleum), sponge absorber off, fluidized catalytic cracker and gas oil desulfurizer overhead fractionation; Refinery gas; [A complex combination obtained by the fractionation of products from the fluidized catalytic cracker and gas oil desulfurizer. It consists of hydrogen and hydrocarbons having carbon numbers predominantly in the range of C ₁ through C ₄ .]	273-269-7	68955-33-9	Flam. Gas 1 Press. Gas Carc. 1A Muta. 1B	H220 H350 H340	GHS02 GHS04 GHS08 Dgr	H220 H350 H340			H K U
649-168-00-2	Gases (petroleum), crude distn. and catalytic cracking; Refinery gas; [A complex combination produced by crude distillation and catalytic cracking processes. It consists of hydrogen, hydrogen sulfide, nitrogen, carbon monoxide and paraffinic and olefinic hydrocarbons having carbon numbers predominantly in the range of C ₁ through C ₆ .]	273-563-5	68989-88-8	Flam. Gas 1 Press. Gas Carc. 1A Muta. 1B	H220 H350 H340	GHS02 GHS04 GHS08 Dgr	H220 H350 H340			H K U

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649-169-00-8	Gases (petroleum), gas oil diethanolamine scrubber off; Refinery gas; [A complex combination produced by desulfurization of gas oils with diethanolamine. It consists predominantly of hydrogen sulfide, hydrogen and aliphatic hydrocarbons having carbon numbers in the range of C ₁ through C ₅ .]	295-397-2	92045-15-3	Flam. Gas 1 Press. Gas Carc. 1A Muta. 1B	H220 H350 H340	GHS02 GHS04 GHS08 Dgr	H220 H350 H340			H K U
649-170-00-3	Gases (petroleum), gas oil hydrodesulfurization effluent; Refinery gas; [A complex combination obtained by separation of the liquid phase from the effluent from the hydrogenation reaction. It consists predominantly of hydrogen, hydrogen sulfide and aliphatic hydrocarbons having carbon numbers predominantly in the range of C ₁ through C ₃ .]	295-398-8	92045-16-4	Flam. Gas 1 Press. Gas Carc. 1A Muta. 1B	H220 H350 H340	GHS02 GHS04 GHS08 Dgr	H220 H350 H340			H K U
649-171-00-9	Gases (petroleum), gas oil hydrodesulfurization purge; Refinery gas; [A complex combination of gases obtained from the reformer and from the purges from the hydrogenation reactor. It consists predominantly of hydrogen and aliphatic hydrocarbons having carbon numbers predominantly in the range of C ₁ through C ₄ .]	295-399-3	92045-17-5	Flam. Gas 1 Press. Gas Carc. 1A Muta. 1B	H220 H350 H340	GHS02 GHS04 GHS08 Dgr	H220 H350 H340			H K U
649-172-00-4	Gases (petroleum), hydrogenator effluent flash drum off; Refinery gas; [A complex combination of gases obtained from flash of the effluents after the hydrogenation reaction. It consists predominantly of hydrogen and aliphatic hydrocarbons having carbon numbers predominantly in the range of C ₁ through C ₆ .]	295-400-7	92045-18-6	Flam. Gas 1 Press. Gas Carc. 1A Muta. 1B	H220 H350 H340	GHS02 GHS04 GHS08 Dgr	H220 H350 H340			H K U

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649-173-00-X	Gases (petroleum), naphtha steam cracking high-pressure residual; Refinery gas; [A complex combination obtained as a mixture of the non-condensable portions from the product of a naphtha steam cracking process as well as residual gases obtained during the preparation of subsequent products. It consists predominantly of hydrogen and paraffinic and olefinic hydrocarbons having carbon numbers predominantly in the range of C ₁ through C ₅ with which natural gas may also be mixed.]	295-401-2	92045-19-7	Flam. Gas 1 Press. Gas Carc. 1A Muta. 1B	H220 H350 H340	GHS02 GHS04 GHS08 Dgr	H220 H350 H340			H K U
649-174-00-5	Gases (petroleum), residue visbaking off; Refinery gas; [A complex combination obtained from viscosity reduction of residues in a furnace. It consists predominantly of hydrogen sulfide and paraffinic and olefinic hydrocarbons having carbon numbers predominantly in the range of C ₁ through C ₅ .]	295-402-8	92045-20-0	Flam. Gas 1 Press. Gas Carc. 1A Muta. 1B	H220 H350 H340	GHS02 GHS04 GHS08 Dgr	H220 H350 H340			H K U
649-175-00-0	Foots oil (petroleum), acid-treated; Foots oil; [A complex combination of hydrocarbons obtained by treatment of Foot's oil with sulfuric acid. It consists predominantly of branched-chain hydrocarbons with carbon numbers predominantly in the range of C ₂₀ through C ₅₀ .]	300-225-7	93924-31-3	Flam. Gas 1 Press. Gas Carc. 1B	H220 H350 H340	GHS02 GHS04 GHS08 Dgr	H220 H350 H340			H K U
649-176-00-6	Foots oil (petroleum), clay-treated; Foots oil; [A complex combination of hydrocarbons obtained by treatment of Foot's oil with natural or modified clay in either a contacting or percolation process to remove the trace amounts of polar compounds and impurities present. It consists predominantly of branched chain hydrocarbons with carbon numbers predominantly in the range of C ₂₀ through C ₅₀ .]	300-226-2	93924-32-4	Flam. Gas 1 Press. Gas Carc. 1B	H220 H350 H340	GHS02 GHS04 GHS08 Dgr	H220 H350 H340			H K U

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649-177-00-1	Gases (petroleum), C ₃₋₄ ; Petroleum gas; [A complex combination of hydrocarbons produced by distillation of products from the cracking of crude oil. It consists of hydrocarbons having carbon numbers in the range of C ₃ through C ₄ , predominantly of propane and propylene, and boiling in the range of approximately - 51 °C to - 1 °C (- 60°F to 30°F.)]	268-629-5	68131-75-9	Flam. Gas 1 Press. Gas Carc. 1A Muta. 1B	H220 H350 H340	GHS02 GHS04 GHS08 Dgr	H220 H350 H340			H K U
649-178-00-7	Tail gas (petroleum), catalytic cracked distillate and catalytic cracked naphtha fractionation absorber; Petroleum gas; [The complex combination of hydrocarbons from the distillation of the products from catalytic cracked distillates and catalytic cracked naphtha. It consists predominantly of hydrocarbons having carbon numbers in the range of C ₁ through C ₄ .]	269-617-2	68307-98-2	Flam. Gas 1 Press. Gas Carc. 1A Muta. 1B	H220 H350 H340	GHS02 GHS04 GHS08 Dgr	H220 H350 H340			H K U
649-179-00-2	Tail gas (petroleum), catalytic polymn. naphtha fractionation stabilizer; Petroleum gas; [A complex combination of hydrocarbons from the fractionation stabilization products from polymerization of naphtha. It consists predominantly of hydrocarbons having carbon numbers in the range of C ₁ through C ₄ .]	269-618-8	68307-99-3	Flam. Gas 1 Press. Gas Carc. 1A Muta. 1B	H220 H350 H340	GHS02 GHS04 GHS08 Dgr	H220 H350 H340			H K U
649-180-00-8	Tail gas (petroleum), catalytic reformed naphtha fractionation stabilizer, hydrogen sulfide-free; Petroleum gas; [A complex combination of hydrocarbons obtained from fractionation stabilization of catalytic reformed naphtha and from which hydrogen sulfide has been removed by amine treatment. It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C ₁ through C ₄ .]	269-619-3	68308-00-9	Flam. Gas 1 Press. Gas Carc. 1A Muta. 1B	H220 H350 H340	GHS02 GHS04 GHS08 Dgr	H220 H350 H340			H K U

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649-181-00-3	Tail gas (petroleum), cracked distillate hydrotreater stripper; Petroleum gas; [A complex combination of hydrocarbons obtained by treating thermal cracked distillates with hydrogen in the presence of a catalyst. It consists predominantly of saturated hydrocarbons having carbon numbers predominantly in the range of C ₁ through C ₆ .]	269-620-9	68308-01-0	Flam. Gas 1 Press. Gas Carc. 1A Muta. 1B	H220 H350 H340	GHS02 GHS04 GHS08 Dgr	H220 H350 H340			H K U
649-182-00-9	Tail gas (petroleum), straight-run distillate hydrodesulfurizer, hydrogen sulfide-free; Petroleum gas; [A complex combination of hydrocarbons obtained from catalytic hydrodesulfurization of straight run distillates and from which hydrogen sulfide has been removed by amine treatment. It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C ₁ through C ₄ .]	269-630-3	68308-10-1	Flam. Gas 1 Press. Gas Carc. 1A Muta. 1B	H220 H350 H340	GHS02 GHS04 GHS08 Dgr	H220 H350 H340			H K U
649-183-00-4	Tail gas (petroleum), gas oil catalytic cracking absorber; Petroleum gas; [A complex combination of hydrocarbons obtained from the distillation of products from the catalytic cracking of gas oil. It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C ₁ through C ₅ .]	269-623-5	68308-03-2	Flam. Gas 1 Press. Gas Carc. 1A Muta. 1B	H220 H350 H340	GHS02 GHS04 GHS08 Dgr	H220 H350 H340			H K U
649-184-00-X	Tail gas (petroleum), gas recovery plant; Petroleum gas; [A complex combination of hydrocarbons from the distillation of products from miscellaneous hydrocarbon streams. It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C ₁ through C ₅ .]	269-624-0	68308-04-3	Press. Gas Flam. Gas 1 Carc. 1A Muta. 1B	H220 H350 H340	GHS02 GHS04 GHS08 Dgr	H220 H350 H340			H K U

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649-185-00-5	Tail gas (petroleum), gas recovery plant deethanizer; Petroleum gas; [A complex combination of hydrocarbons from the distillation of products from miscellaneous hydrocarbon streams. It consists of hydrocarbon having carbon numbers predominantly in the range of C ₁ through C ₄ .]	269-625-6	68308-05-4	Flam. Gas 1 Press. Gas Carc. 1A Muta. 1B	H220 H350 H340	GHS02 GHS04 GHS08 Dgr	H220 H350 H340			H K U
649-186-00-0	Tail gas (petroleum), hydrodesulfurized distillate and hydrodesulfurized naphtha fractionator, acid-free; Petroleum gas; [A complex combination of hydrocarbons obtained from fractionation of hydrodesulfurized naphtha and distillate hydrocarbon streams and treated to remove acidic impurities. It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C ₁ through C ₅ .]	269-626-1	68308-06-5	Flam. Gas 1 Press. Gas Carc. 1A Muta. 1B	H220 H350 H340	GHS02 GHS04 GHS08 Dgr	H220 H350 H340			H K U
649-187-00-6	Tail gas (petroleum), hydrodesulfurized vacuum gas oil stripper, hydrogen sulfide-free; Petroleum gas; [A complex combination of hydrocarbons obtained from stripping stabilization of catalytic hydrodesulfurized vacuum gas oil and from which hydrogen sulfide has been removed by amine treatment. It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C ₁ through C ₆ .]	269-627-7	68308-07-6	Flam. Gas 1 Press. Gas Carc. 1A Muta. 1B	H220 H350 H340	GHS02 GHS04 GHS08 Dgr	H220 H350 H340			H K U

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649-188-00-1	Tail gas (petroleum), light straight-run naphtha stabilizer, hydrogen sulfide-free; Petroleum gas; [A complex combination of hydrocarbons obtained from fractionation stabilization of light straight run naphtha and from which hydrogen sulfide has been removed by amine treatment. It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C ₁ through C ₅ .]	269-629-8	68308-09-8	Flam. Gas 1 Press. Gas Carc. 1A Muta. 1B	H220 H350 H340	GHS02 GHS04 GHS08 Dgr	H220 H350 H340			H K U
649-189-00-7	Tail gas (petroleum), propane-propylene alkylation feed prep deethanizer; Petroleum gas; [A complex combination of hydrocarbons obtained from the distillation of the reaction products of propane with propylene. It consists of hydrocarbons having carbon numbers predominantly in the range of C ₁ through C ₄ .]	269-631-9	68308-11-2	Flam. Gas 1 Press. Gas Carc. 1A Muta. 1B	H220 H350 H340	GHS02 GHS04 GHS08 Dgr	H220 H350 H340			H K U
649-190-00-2	Tail gas (petroleum), vacuum gas oil hydrodesulfurizer, hydrogen sulfide-free; Petroleum gas; [A complex combination of hydrocarbons obtained from catalytic hydrodesulfurization of vacuum gas oil and from which hydrogen sulfide has been removed by amine treatment. It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C ₁ through C ₆ .]	269-632-4	68308-12-3	Flam. Gas 1 Press. Gas Carc. 1A Muta. 1B	H220 H350 H340	GHS02 GHS04 GHS08 Dgr	H220 H350 H340			H K U

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649-191-00-8	Gases (petroleum), catalytic cracked overheads; Petroleum gas; [A complex combination of hydrocarbons produced by the distillation of products from the catalytic cracking process. It consists of hydrocarbons having carbon numbers predominantly in the range of C ₃ through C ₅ and boiling in the range of approximately - 48 °C to 32 °C (-54°F to 90°F).]	270-071-2	68409-99-4	Flam. Gas 1 Press. Gas Carc. 1A Muta. 1B	H220 H350 H340	GHS02 GHS04 GHS08 Dgr	H220 H350 H340			H K U
649-193-00-9	Alkanes, C ₁₋₂ ; Petroleum gas	270-651-5	68475-57-0	Flam. Gas 1 Press. Gas Carc. 1A Muta. 1B	H220 H350 H340	GHS02 GHS04 GHS08 Dgr	H220 H350 H340			H K U
649-194-00-4	Alkanes, C ₂₋₃ ; Petroleum gas	270-652-0	68475-58-1	Flam. Gas 1 Press. Gas Carc. 1A Muta. 1B	H220 H350 H340	GHS02 GHS04 GHS08 Dgr	H220 H350 H340			H K U
649-195-00-X	Alkanes, C ₃₋₄ ; Petroleum gas	270-653-6	68475-59-2	Flam. Gas 1 Press. Gas Carc. 1A Muta. 1B	H220 H350 H340	GHS02 GHS04 GHS08 Dgr	H220 H350 H340			H K U
649-196-00-5	Alkanes, C ₄₋₅ ; Petroleum gas	270-654-1	68475-60-5	Flam. Gas 1 Press. Gas Carc. 1A Muta. 1B	H220 H350 H340	GHS02 GHS04 GHS08 Dgr	H220 H350 H340			H K U
649-197-00-0	Fuel gases; Petroleum gas; [A combination of light gases. It consists predominantly of hydrogen and/or low molecular weight hydrocarbons.]	270-667-2	68476-26-6	Flam. Gas 1 Press. Gas Carc. 1A Muta. 1B	H220 H350 H340	GHS02 GHS04 GHS08 Dgr	H220 H350 H340			H K U

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649-198-00-6	Fuel gases, crude oil of distillates; Petroleum gas; [A complex combination of light gases produced by distillation of crude oil and by catalytic reforming of naphtha. It consists of hydrogen and hydrocarbons having carbon numbers predominantly in the range of C ₁ through C ₄ and boiling in the range of approximately - 217 °C to - 12 °C (-423°F to 10°F).]	270-670-9	68476-29-9	Flam. Gas 1 Press. Gas Carc. 1A Muta. 1B	H220 H350 H340	GHS02 GHS04 GHS08 Dgr	H220 H350 H340			H K U
649-199-00-1	Hydrocarbons, C ₃₋₄ ; Petroleum gas	270-681-9	68476-40-4	Flam. Gas 1 Press. Gas Carc. 1A Muta. 1B	H220 H350 H340	GHS02 GHS04 GHS08 Dgr	H220 H350 H340			H K U
649-200-00-5	Hydrocarbons, C ₄₋₅ ; Petroleum gas	270-682-4	68476-42-6	Flam. Gas 1 Press. Gas Carc. 1A Muta. 1B	H220 H350 H340	GHS02 GHS04 GHS08 Dgr	H220 H350 H340			H K U
649-201-00-0	Hydrocarbons, C ₂₋₄ , C ₃ -rich; Petroleum gas	270-689-2	68476-49-3	Flam. Gas 1 Press. Gas Carc. 1A Muta. 1B	H220 H350 H340	GHS02 GHS04 GHS08 Dgr	H220 H350 H340			H K U
649-202-00-6	Petroleum gases, liquefied; Petroleum gas; [A complex combination of hydrocarbons produced by the distillation of crude oil. It consists of hydrocarbons having carbon numbers predominantly in the range of C ₃ through C ₇ and boiling in the range of approximately - 40 °C to 80 °C (-40 °F to 176 °F).]	270-704-2	68476-85-7	Flam. Gas 1 Press. Gas Carc. 1A Muta. 1B	H220 H350 H340	GHS02 GHS04 GHS08 Dgr	H220 H350 H340			HKSU

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649-203-00-1	Petroleum gases, liquefied, sweetened; Petroleum gas; [A complex combination of hydrocarbons obtained by subjecting liquefied petroleum gas mix to a sweetening process to convert mercaptans or to remove acidic impurities. It consists of hydrocarbons having carbon numbers predominantly in the range of C ₃ through C ₇ and boiling in the range of approximately - 40 °C to 80 °C (-40 °F to 176 °F).]	270-705-8	68476-86-8	Flam. Gas 1 Press. Gas Carc. 1A Muta. 1B	H220 H350 H340	GHS02 GHS04 GHS08 Dgr	H220 H350 H340			HKSU
649-204-00-7	Gases (petroleum), C ₃₋₄ , isobutane-rich; Petroleum gas; [A complex combination of hydrocarbons from the distillation of saturated and unsaturated hydrocarbons usually ranging in carbon numbers from C ₃ through C ₆ , predominantly butane and isobutane. It consists of saturated and unsaturated hydrocarbons having carbon numbers in the range of C ₃ through C ₄ , predominantly isobutane.]	270-724-1	68477-33-8	Flam. Gas 1 Press. Gas Carc. 1A Muta. 1B	H220 H350 H340	GHS02 GHS04 GHS08 Dgr	H220 H350 H340			H K U
649-205-00-2	Distillates (petroleum), C ₃₋₆ , piperylene-rich; Petroleum gas; [A complex combination of hydrocarbons from the distillation of saturated and unsaturated aliphatic hydrocarbons usually ranging in the carbon numbers C ₃ through C ₆ . It consists of saturated and unsaturated hydrocarbons having carbon numbers in the range of C ₃ through C ₆ , predominantly piperylenes.]	270-726-2	68477-35-0	Flam. Gas 1 Press. Gas Carc. 1A Muta. 1B	H220 H350 H340	GHS02 GHS04 GHS08 Dgr	H220 H350 H340			H K U
649-206-00-8	Gases (petroleum), butane splitter overheads; Petroleum gas; [A complex combination of hydrocarbons obtained from the distillation of the butane stream. It consists of aliphatic hydrocarbons having carbon numbers predominantly in the range of C ₃ through C ₄ .]	270-750-3	68477-69-0	Flam. Gas 1 Press. Gas Carc. 1A Muta. 1B	H220 H350 H340	GHS02 GHS04 GHS08 Dgr	H220 H350 H340			H K U

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649-207-00-3	Gases (petroleum), C ₂ ; Petroleum gas; [A complex combination of hydrocarbons produced by the distillation of products from a catalytic fractionation process. It contains predominantly ethane, ethylene, propane, and propylene.]	270-751-9	68477-70-3	Flam. Gas 1 Press. Gas Carc. 1A Muta. 1B	H220 H350 H340	GHS02 GHS04 GHS08 Dgr	H220 H350 H340			H K U
649-208-00-9	Gases (petroleum), catalytic-cracked gas oil depropanizer bottoms, C ₄ -rich acid-free; Petroleum gas; [A complex combination of hydrocarbons obtained from fractionation of catalytic cracked gas oil hydrocarbon stream and treated to remove hydrogen sulfide and other acidic components. It consists of hydrocarbons having carbon numbers in the range of C ₃ through C ₅ , predominantly C ₄ .]	270-752-4	68477-71-4	Flam. Gas 1 Press. Gas Carc. 1A Muta. 1B	H220 H350 H340	GHS02 GHS04 GHS08 Dgr	H220 H350 H340			H K U
649-209-00-4	Gases (petroleum), catalytic-cracked naphtha debutanizer bottoms, C _{3,5} -rich; Petroleum gas; [A complex combination of hydrocarbons obtained from the stabilization of catalytic cracked naphtha. It consists of aliphatic hydrocarbons having carbon numbers predominantly in the range of C ₃ through C ₅ .]	270-754-5	68477-72-5	Flam. Gas 1 Press. Gas Carc. 1A Muta. 1B	H220 H350 H340	GHS02 GHS04 GHS08 Dgr	H220 H350 H340			H K U
649-210-00-X	Tail gas (petroleum), isomerized naphtha fractionation stabilizer; Petroleum gas; [A complex combination of hydrocarbons obtained from the fractionation stabilization products from isomerized naphtha. It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C ₁ through C ₄ .]	269-628-2	68308-08-7	Flam. Gas 1 Press. Gas Carc. 1A Muta. 1B	H220 H350 H340	GHS02 GHS04 GHS08 Dgr	H220 H350 H340			H K U

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649-211-00-5	Foots oil (petroleum), carbon-treated; Foots oil; [A complex combination of hydrocarbons obtained by the treatment of Foots oil with activated carbon for the removal of trace constituents and impurities. It consists predominantly of saturated straight chain hydrocarbons having carbon numbers predominantly greater than C ₁₂ .]	308-126-0	97862-76-5	Carc. 1B	H350	GHS08 Dgr	H350			H L
649-212-00-0	Distillates (petroleum), sweetened middle; Gasoil — unspecified; [A complex combination of hydrocarbons obtained by subjecting a petroleum distillate to a sweetening process to convert mercaptans or to remove acidic impurities. It consists of hydrocarbons having carbon numbers predominantly in the range of C ₉ through C ₂₀ and boiling in the range of approximately 150 °C to 345 °C (302°F to 653°F).]	265-088-7	64741-86-2	Carc. 1B	H350	GHS08 Dgr	H350			H N
649-213-00-6	Gas oils (petroleum), solvent-refined; Gasoil — unspecified; [A complex combination of hydrocarbons obtained as the raffinate from a solvent extraction process. It consists predominantly of aliphatic hydrocarbons having carbon numbers predominantly in the range of C ₁₁ through C ₂₅ and boiling in the range of approximately 205 °C to 400 °C (401°F to 752°F).]	265-092-9	64741-90-8	Carc. 1B	H350	GHS08 Dgr	H350			H N
649-214-00-1	Distillates (petroleum), solvent-refined middle; Gasoil — unspecified; [A complex combination of hydrocarbons obtained as the raffinate from a solvent extraction process. It consists predominantly of aliphatic hydrocarbons having carbon numbers predominantly in the range of C ₉ through C ₂₀ and boiling in the range of approximately 150 °C to 345 °C (302°F to 653°F).]	265-093-4	64741-91-9	Carc. 1B	H350	GHS08 Dgr	H350			H N

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649-215-00-7	Gas oils (petroleum), acid-treated; Gasoil — unspecified; [A complex combination of hydrocarbons obtained as a raffinate from a sulfuric acid treating process. It consists of hydrocarbons having carbon numbers predominantly in the range of C ₁₃ through C ₂₅ and boiling in the range of approximately 230 °C to 400 °C (446°F to 752°F).]	265-112-6	64742-12-7	Carc. 1B	H350	GHS08 Dgr	H350			H N
649-216-00-2	Distillates (petroleum), acid-treated middle; Gasoil — unspecified; [A complex combination of hydrocarbons obtained as a raffinate from a sulfuric acid treating process. It consists of hydrocarbons having carbon numbers predominantly in the range of C ₁₁ through C ₂₀ and boiling in the range of approximately 205 °C to 345 °C (401°F to 653°F).]	265-113-1	64742-13-8	Carc. 1B	H350	GHS08 Dgr	H350			H N
649-217-00-8	Distillates (petroleum), acid-treated light; Gasoil — unspecified; [A complex combination of hydrocarbons obtained as a raffinate from a sulfuric acid treating process. It consists of hydrocarbons having carbon numbers predominantly in the range of C ₉ through C ₁₆ and boiling in the range of approximately 150 °C to 290 °C (302°F to 554°F).]	265-114-7	64742-14-9	Carc. 1B	H350	GHS08 Dgr	H350			H N
649-218-00-3	Gas oils (petroleum), chemically neutralized; Gasoil — unspecified; [A complex combination of hydrocarbons produced by a treating process to remove acidic materials. It consists of hydrocarbons having carbon numbers predominantly in the range of C ₁₃ through C ₂₅ and boiling in the range of approximately 230 °C to 400 °C (446°F to 752°F).]	265-129-9	64742-29-6	Carc. 1B	H350	GHS08 Dgr	H350			H N

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649-219-00-9	Distillates (petroleum), chemically neutralized middle; Gasoil — unspecified; [A complex combination of hydrocarbons produced by a treating process to remove acidic materials. It consists of hydrocarbons having carbon numbers predominantly in the range of C ₁₁ through C ₂₀ and boiling in the range of approximately 205 °C to 345 °C (401°F to 653°F).]	265-130-4	64742-30-9	Carc. 1B	H350	GHS08 Dgr	H350			H N
649-220-00-4	Distillates (petroleum), clay-treated middle; Gasoil — unspecified; [A complex combination of hydrocarbons resulting from treatment of a petroleum fraction with natural or modified clay, usually in a percolation process to remove the trace amounts of polar compounds and impurities present. It consists of hydrocarbons having carbon numbers predominantly in the range of C ₉ through C ₂₀ and boiling in the range of approximately 150 °C to 345 °C (302°F to 653°F).]	265-139-3	64742-38-7	Carc. 1B	H350	GHS08 Dgr	H350			H N
649-221-00-X	Distillates (petroleum), hydrotreated middle; Gasoil — unspecified; [A complex combination of hydrocarbons obtained by treating a petroleum fraction with hydrogen in the presence of a catalyst. It consists of hydrocarbons having carbon numbers predominantly in the range of C ₁₁ through C ₂₅ and boiling in the range of approximately 205 °C to 400 °C (401°F to 752°F).]	265-148-2	64742-46-7	Carc. 1B	H350	GHS08 Dgr	H350			H N

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649-222-00-5	Gas oils (petroleum), hydrodesulfurized; Gasoil — unspecified; [A complex combination of hydrocarbons obtained from a petroleum stock by treating with hydrogen to convert organic sulfur to hydrogen sulfide which is removed. It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C ₁₃ through C ₂₅ and boiling in the range of approximately 230 °C to 400 °C (446°F to 752°F).]	265-182-8	64742-79-6	Carc. 1B	H350	GHS08 Dgr	H350			H N
649-223-00-0	Distillates (petroleum), hydrodesulfurized middle; Gasoil — unspecified; [A complex combination of hydrocarbons obtained from a petroleum stock by treating with hydrogen to convert organic sulfur to hydrogen sulfide which is removed. It consists of hydrocarbons having carbon numbers predominantly in the range of C ₁₁ through C ₂₅ and boiling in the range of approximately 205 °C to 400 °C (401°F to 752°F).]	265-183-3	64742-80-9	Carc. 1B	H350	GHS08 Dgr	H350			H N
649-224-00-6	Fuels, diesel; Gasoil — unspecified; [A complex combination of hydrocarbons produced by the distillation of crude oil. It consists of hydrocarbons having carbon numbers predominantly in the range of C ₉ through C ₂₀ and boiling in the range of approximately 163 °C to 357 °C (325°F to 675°F).]	269-822-7	68334-30-5	Carc. 2	H351	GHS08 Wng	H351			H N
649-225-00-1	Fuel oil, No 2; Gasoil — unspecified; [A distillate oil having a minimum viscosity of 32,6 SUS at 37,7 °C (100°F) to a maximum of 37,9 SUS at 37,7 °C (100°F).]	270-671-4	68476-30-2	Carc. 2	H351	GHS08 Wng	H351			H

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649-226-00-7	Fuel oil, No 4; Gasoil — unspecified; [A distillate oil having a minimum viscosity of 45 SUS at 37,7 °C (100°F) to a maximum of 125 SUS at 37,7 °C (100°F).]	270-673-5	68476-31-3	Carc. 2	H351	GHS08 Wng	H351			H
649-227-00-2	Fuels, diesel, No 2; Gasoil — unspecified; [A distillate oil having a minimum viscosity of 32,6 SUS at 37,7 °C (100°F).]	270-676-1	68476-34-6	Carc. 2	H351	GHS08 Wng	H351			H
649-228-00-8	Distillates (petroleum), catalytic reformer fractionator residue, high-boiling; Gasoil — unspecified; [A complex combination of hydrocarbons from the distillation of catalytic reformer fractionator residue. It boils in the range of approximately 343 °C to 399 °C (650°F to 750°F).]	270-719-4	68477-29-2	Carc. 1B	H350	GHS08 Dgr	H350			H N
649-229-00-3	Distillates (petroleum), catalytic reformer fractionator residue, intermediate-boiling; Gasoil — unspecified; [A complex combination of hydrocarbons from the distillation of catalytic reformer fractionator residue. It boils in the range of approximately 288 °C to 371 °C (550°F to 700°F).]	270-721-5	68477-30-5	Carc. 1B	H350	GHS08 Dgr	H350			H N
649-230-00-9	Distillates (petroleum), catalytic reformer fractionator residue, low-boiling; Gasoil — unspecified; [The complex combination of hydrocarbons from the distillation of catalytic reformer fractionator residue. It boils approximately below 288 °C (550°F).]	270-722-0	68477-31-6	Carc. 1B	H350	GHS08 Dgr	H350			H N

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649-231-00-4	Distillates (petroleum), highly refined middle; Gasoil — unspecified; [A complex combination of hydrocarbons obtained by the subjection of a petroleum fraction to several of the following steps: filtration, centrifugation, atmospheric distillation, vacuum distillation, acidification, neutralization and clay treatment. It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C ₁₀ through C ₂₀ .]	292-615-8	90640-93-0	Carc. 1B	H350	GHS08 Dgr	H350			H N
649-232-00-X	Distillates (petroleum) catalytic reformer, heavy arom. conc.; Gasoil — unspecified; [A complex combination of hydrocarbons obtained from the distillation of a catalytically reformed petroleum cut. It consists predominantly of aromatic hydrocarbons having carbon numbers predominantly in the range of C ₁₀ through C ₁₆ and boiling in the range of approximately 200 °C to 300 °C (392°F to 572°F).]	295-294-2	91995-34-5	Carc. 1B	H350	GHS08 Dgr	H350			H N
649-233-00-5	Gas oils, paraffinic; Gasoil — unspecified; [A distillate obtained from the redistillation of a complex combination of hydrocarbons obtained by the distillation of the effluents from a severe catalytic hydrotreatment of paraffins. It boils in the range of approximately 190 °C to 330 °C (374°F to 594°F).]	300-227-8	93924-33-5	Carc. 1B	H350	GHS08 Dgr	H350			H N
649-234-00-0	Naphtha (petroleum), solvent-refined hydrodesulfurized heavy; Gasoil — unspecified	307-035-3	97488-96-5	Carc. 1B	H350	GHS08 Dgr	H350			H N

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649-235-00-6	Hydrocarbons, C ₁₆₋₂₀ , hydrotreated middle distillate, distn. lights; Gasoil — unspecified; [A complex combination of hydrocarbons obtained as first runnings from the vacuum distillation of effluents from the treatment of a middle distillate with hydrogen. It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C ₁₆ through C ₂₀ and boiling in the range of approximately 290 °C to 350 °C (554°F to 662°F). It produces a finished oil having a viscosity of 2cSt at 100 °C (212°F).]	307-659-6	97675-85-9	Carc. 1B	H350	GHS08 Dgr	H350			H N
649-236-00-1	Hydrocarbons, C ₁₂₋₂₀ , hydrotreated paraffinic, distn. lights; Gasoil — unspecified; [A complex combination of hydrocarbons obtained as first runnings from the vacuum distillation of effluents from the treatment of heavy paraffins with hydrogen in the presence of a catalyst. It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C ₁₂ through C ₂₀ and boiling in the range of approximately 230 °C to 350 °C (446°F to 662°F). It produces a finished oil having a viscosity of 2cSt at 100 °C (212°F).]	307-660-1	97675-86-0	Carc. 1B	H350	GHS08 Dgr	H350			H N
649-237-00-7	Hydrocarbons, C ₁₁₋₁₇ , solvent-extd. light naphthenic; Gasoil — unspecified; [A complex combination of hydrocarbons obtained by extraction of the aromatics from a light naphthenic distillate having a viscosity of 2.2 cSt at 40 °C (104°F). It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C ₁₁ through C ₁₇ and boiling in the range of approximately 200 °C to 300 °C (392°F to 572°F).]	307-757-9	97722-08-2	Carc. 1B	H350	GHS08 Dgr	H350			H N

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649-238-00-2	Gas oils, hydrotreated; Gasoil — unspecified; [A complex combination of hydrocarbons obtained from the redistillation of the effluents from the treatment of paraffins with hydrogen in the presence of a catalyst. It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C ₁₇ through C ₂₇ and boiling in the range of approximately 330 °C to 340 °C (626°F to 644°F).]	308-128-1	97862-78-7	Carc. 1B	H350	GHS08 Dgr	H350			H N
649-239-00-8	Distillates (petroleum), carbon-treated light paraffinic; Gasoil — unspecified; [A complex combination of hydrocarbons obtained by the treatment of a petroleum oil fraction with activated charcoal for the removal of traces of polar constituents and impurities. It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C ₁₂ through C ₂₈ .]	309-667-5	100683-97-4	Carc. 1B	H350	GHS08 Dgr	H350			H N
649-240-00-3	Distillates (petroleum), intermediate paraffinic, carbon-treated; Gasoil — unspecified; [A complex combination of hydrocarbons obtained by the treatment of petroleum with activated charcoal for the removal of trace polar constituents and impurities. It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C ₁₆ through C ₃₆ .]	309-668-0	100683-98-5	Carc. 1B	H350	GHS08 Dgr	H350			H N
649-241-00-9	Distillates (petroleum), intermediate paraffinic, clay-treated; Gasoil — unspecified; [A complex combination of hydrocarbons obtained by the treatment of petroleum with bleaching earth for the removal of trace polar constituents and impurities. It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C ₁₆ through C ₃₆ .]	309-669-6	100683-99-6	Carc. 1B	H350	GHS08 Dgr	H350			H N

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649-242-00-4	Alkanes, C ₁₂₋₂₆ -branched and linear	292-454-3	90622-53-0	Carc. 1B	H350	GHS08 Dgr	H350			H N
649-243-00-X	Lubricating greases; Grease; [A complex combination of hydrocarbons having carbon numbers predominantly in the range of C ₁₂ through C ₅₀ . May contain organic salts of alkali metals, alkaline earth metals, and/or aluminium compounds.]	278-011-7	74869-21-9	Carc. 1B	H350	GHS08 Dgr	H350			H N
649-244-00-5	Slack wax (petroleum); Slack wax; [A complex combination of hydrocarbons obtained from a petroleum fraction by solvent crystallization (solvent dewaxing) or as a distillation fraction from a very waxy crude. It consists predominantly of saturated straight and branched chain hydrocarbons having carbon numbers predominantly greater than C ₂₀ .]	265-165-5	64742-61-6	Carc. 1B	H350	GHS08 Dgr	H350			H N
649-245-00-0	Slack wax (petroleum), acid-treated; Slack wax; [A complex combination of hydrocarbons obtained as a raffinate by treatment of a petroleum slack wax fraction with sulfuric acid treating process. It consists predominantly of saturated straight and branched chain hydrocarbons having carbon numbers predominantly greater than C ₂₀ .]	292-659-8	90669-77-5	Carc. 1B	H350	GHS08 Dgr	H350			H N
649-246-00-6	Slack wax (petroleum), clay-treated; Slack wax; [A complex combination of hydrocarbons obtained by treatment of a petroleum slack wax fraction with natural or modified clay in either a contacting or percolation process. It consists predominantly of saturated straight and branched hydrocarbons having carbon numbers predominantly greater than C ₂₀ .]	292-660-3	90669-78-6	Carc. 1B	H350	GHS08 Dgr	H350			H N

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649-247-00-1	Slack wax (petroleum), hydrotreated; Slack wax; [A complex combination of hydrocarbons obtained by treating slack wax with hydrogen in the presence of a catalyst. It consists predominantly of saturated straight and branched chain hydrocarbons having carbon numbers predominantly greater than C ₂₀ .]	295-523-6	92062-09-4	Carc. 1B	H350	GHS08 Dgr	H350			H N
649-248-00-7	Slack wax (petroleum), low-melting; Slack wax; [A complex combination of hydrocarbons obtained from a petroleum fraction by solvent deparaffination. It consists predominantly of saturated straight and branched chain hydrocarbons having carbon numbers predominantly greater than C ₁₂ .]	295-524-1	92062-10-7	Carc. 1B	H350	GHS08 Dgr	H350			H N
649-249-00-2	Slack wax (petroleum), low-melting, hydrotreated; Slack wax; [A complex combination of hydrocarbons obtained by treatment of low-melting petroleum slack wax with hydrogen in the presence of a catalyst. It consists predominantly of saturated straight and branched chain hydrocarbons having carbon numbers predominantly greater than C ₁₂ .]	295-525-7	92062-11-8	Carc. 1B	H350	GHS08 Dgr	H350			H N
649-250-00-8	Slack wax (petroleum), low-melting, carbon-treated; Slack wax; [A complex combination of hydrocarbons obtained by the treatment of low-melting slack wax with activated carbon for the removal of trace polar constituents and impurities. It consists predominantly of saturated straight and branched chain hydrocarbons having carbon numbers predominantly greater than C ₁₂ .]	308-155-9	97863-04-2	Carc. 1B	H350	GHS08 Dgr	H350			H N

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649-251-00-3	Slack wax (petroleum), low-melting, clay-treated; Slack wax; [A complex combination of hydrocarbons obtained by the treatment of low-melting petroleum slack wax with bentonite for removal of trace polar constituents and impurities. It consists predominantly of saturated straight and branched chain hydrocarbons having carbon numbers predominantly greater than C ₁₂ .]	308-156-4	97863-05-3	Carc. 1B	H350	GHS08 Dgr	H350			H N
649-252-00-9	Slack wax (petroleum), low-melting, silicic acid-treated; Slack wax; [A complex combination of hydrocarbons obtained by the treatment of low-melting petroleum slack wax with silicic acid for the removal of trace polar constituents and impurities. It consists predominantly of saturated straight and branched chain hydrocarbons having carbon numbers predominantly greater than C ₁₂ .]	308-158-5	97863-06-4	Carc. 1B	H350	GHS08 Dgr	H350			H N
649-253-00-4	Slack wax (petroleum), carbon-treated; Slack wax; [A complex combination of hydrocarbons obtained by treatment of petroleum slack wax with activated charcoal for the removal of trace polar constituents and impurities.]	309-723-9	100684-49-9	Carc. 1B	H350	GHS08 Dgr	H350			H N
649-254-00-X	Petrolatum; Petrolatum; [A complex combination of hydrocarbons obtained as a semi-solid from dewaxing paraffinic residual oil. It consists predominantly of saturated crystalline and liquid hydrocarbons having carbon numbers predominantly greater than C ₂₅ .]	232-373-2	8009-03-8	Carc. 1B	H350	GHS08 Dgr	H350			H N

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649-255-00-5	Petrolatum (petroleum), oxidized; Petrolatum; [A complex combination of organic compounds, predominantly high molecular weight carboxylic acids, obtained by the air oxidation of petrolatum.]	265-206-7	64743-01-7	Carc. 1B	H350	GHS08 Dgr	H350			H N
649-256-00-0	Petrolatum (petroleum), alumina-treated; Petrolatum; [A complex combination of hydrocarbons obtained when petrolatum is treated with Al ₂ O ₃ to remove polar components and impurities. It consists predominantly of saturated, crystalline, and liquid hydrocarbons having carbon numbers predominantly greater than C ₂₅ .]	285-098-5	85029-74-9	Carc. 1B	H350	GHS08 Dgr	H350			H N
649-257-00-6	Petrolatum (petroleum), hydrotreated; Petrolatum; [A complex combination of hydrocarbons obtained as a semi-solid from dewaxed paraffinic residual oil treated with hydrogen in the presence of a catalyst. It consists predominantly of saturated microcrystalline and liquid hydrocarbons having carbon numbers predominantly greater than C ₂₀ .]	295-459-9	92045-77-7	Carc. 1B	H350	GHS08 Dgr	H350			H N
649-258-00-1	Petrolatum (petroleum), carbon-treated; Petrolatum; [A complex combination of hydrocarbons obtained by the treatment of petroleum petrolatum with activated carbon for the removal of trace polar constituents and impurities. It consists predominantly of saturated hydrocarbons having carbon numbers predominantly greater than C ₂₀ .]	308-149-6	97862-97-0	Carc. 1B	H350	GHS08 Dgr	H350			H N

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649-259-00-7	Petrolatum (petroleum), silicic acid-treated; Petrolatum; [A complex combination of hydrocarbons obtained by the treatment of petroleum petrolatum with silicic acid for the removal of trace polar constituents and impurities. It consists predominantly of saturated hydrocarbons having carbon numbers predominantly greater than C ₂₀ .]	308-150-1	97862-98-1	Carc. 1B	H350	GHS08 Dgr	H350			H N
649-260-00-2	Petrolatum (petroleum), clay-treated; Petrolatum; [A complex combination of hydrocarbons obtained by treatment of petrolatum with bleaching earth for the removal of traces of polar constituents and impurities. It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of greater than C ₂₅ .]	309-706-6	100684-33-1	Carc. 1B	H350	GHS08 Dgr	H350			H N
649-261-00-8	Gasoline, natural; Low boiling point naphtha; [A complex combination of hydrocarbons separated from natural gas by processes such as refrigeration or absorption. It consists predominantly of saturated aliphatic hydrocarbons having carbon numbers predominantly in the range of C ₄ through C ₈ and boiling in the range of approximately minus 20 °C to 120 °C (-4°F to 248°F).]	232-349-1	8006-61-9	Carc. 1B Asp. Tox. 1	H350 H304	GHS08 Dgr	H350 H304			H P
649-262-00-3	Naphtha; Low boiling point naphtha; [Refined, partly refined, or unrefined petroleum products by the distillation of natural gas. It consists of hydrocarbons having carbon numbers predominantly in the range of C ₅ through C ₆ and boiling in the range of approximately 100 °C to 200 °C (212°F to 392°F).]	232-443-2	8030-30-6	Carc. 1B Asp. Tox. 1	H350 H304	GHS08 Dgr	H350 H304			H P

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649-263-00-9	Ligroine; Low boiling point naphtha; [A complex combination of hydrocarbons obtained by the fractional distillation of petroleum. This fraction boils in a range of approximately 20 °C to 135 °C (58°F to 275°F).]	232-453-7	8032-32-4	Carc. 1B Asp. Tox. 1	H350 H304	GHS08 Dgr	H350 H304			H P
649-264-00-4	Naphtha (petroleum), heavy straight-run; Low boiling point naphtha; [A complex combination of hydrocarbons produced by distillation of crude oil. It consists of hydrocarbons having carbon numbers predominantly in the range of C ₆ through C ₁₂ and boiling in the range of approximately 65 °C to 230 °C (149°F to 446°F).]	265-041-0	64741-41-9	Carc. 1B Asp. Tox. 1	H350 H304	GHS08 Dgr	H350 H304			H P
649-265-00-X	Naphtha (petroleum), full-range straight-run; Low boiling point naphtha; [A complex combination of hydrocarbons produced by distillation of crude oil. It consists of hydrocarbons having carbon numbers predominantly in the range of C ₄ through C ₁₁ and boiling in the range of approximately minus 20 °C to 220 °C (-4°F to 428°F).]	265-042-6	64741-42-0	Carc. 1B Asp. Tox. 1	H350 H304	GHS08 Dgr	H350 H304			H P
649-266-00-5	Naphtha (petroleum), light straight-run; Low boiling point naphtha; [A complex combination of hydrocarbons produced by distillation of crude oil. It consists predominantly of aliphatic hydrocarbons having carbon numbers predominantly in the range of C ₄ through C ₁₀ and boiling in the range of approximately minus 20 °C to 180 °C (-4°F to 356°F).]	265-046-8	64741-46-4	Carc. 1B Asp. Tox. 1	H350 H304	GHS08 Dgr	H350 H304			H P

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649-267-00-0	Solvent naphtha (petroleum), light aliph.; Low boiling point naphtha; [A complex combination of hydrocarbons obtained from the distillation of crude oil or natural gasoline. It consists predominantly of saturated hydrocarbons having carbon numbers predominantly in the range of C ₅ through C ₁₀ and boiling in the range of approximately 35 °C to 160 °C (95°F to 320°F).]	265-192-2	64742-89-8	Carc. 1B Asp. Tox. 1	H350 H304	GHS08 Dgr	H350 H304			H P
649-268-00-6	Distillates (petroleum), straight-run light; Low boiling point naphtha; [A complex combination of hydrocarbons produced by the distillation of crude oil. It consists of hydrocarbons having carbon numbers predominantly in the range of C ₂ through C ₇ and boiling in the range of approximately - 88 °C to 99 °C (-127°F to 210°F).]	270-077-5	68410-05-9	Carc. 1B Asp. Tox. 1	H350 H304	GHS08 Dgr	H350 H304			H P
649-269-00-1	Gasoline, vapor-recovery; Low boiling point naphtha; [A complex combination of hydrocarbons separated from the gases from vapor recovery systems by cooling. It consists of hydrocarbons having carbon numbers predominantly in the range of C ₄ through C ₁₁ and boiling in the range of approximately - 20 °C to 196 °C (-4°F to 384°F).]	271-025-4	68514-15-8	Carc. 1B Asp. Tox. 1	H350 H304	GHS08 Dgr	H350 H304			H P
649-270-00-7	Gasoline, straight-run, topping-plant; Low boiling point naphtha; [A complex combination of hydrocarbons produced from the topping plant by the distillation of crude oil. It boils in the range of approximately 36,1 °C to 193,3 °C (97°F to 380°F).]	271-727-0	68606-11-1	Carc. 1B Asp. Tox. 1	H350 H304	GHS08 Dgr	H350 H304			H P

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649-271-00-2	Naphtha (petroleum), unsweetened; Low boiling point naphtha; [A complex combination of hydrocarbons produced from the distillation of naphtha streams from various refinery processes. It consists of hydrocarbons having carbon numbers predominantly in the range of C ₅ through C ₁₂ and boiling in the range of approximately 0 °C to 230 °C (25°F to 446°F).]	272-186-3	68783-12-0	Carc. 1B Asp. Tox. 1	H350 H304	GHS08 Dgr	H350 H304			H P
649-272-00-8	Distillates (petroleum), light straight-run gasoline fractionation stabilizer overheads; Low boiling point naphtha; [A complex combination of hydrocarbons having carbon numbers predominantly in the range of C ₃ through C ₆ .]	272-931-2	68921-08-4	Carc. 1B Asp. Tox. 1	H350 H304	GHS08 Dgr	H350 H304			H P
649-273-00-3	Naphtha (petroleum), heavy straight run, arom.-contg.; Low boiling point naphtha; [A complex combination of hydrocarbons obtained from a distillation process of crude petroleum. It consists predominantly of hydrocarbons having carbon numbers in the range of C ₈ through C ₁₂ and boiling in the range of approximately 130 °C to 210 °C (266°F to 410°F).]	309-945-6	101631-20-3	Carc. 1B Asp. Tox. 1	H350 H304	GHS08 Dgr	H350 H304			H P
649-274-00-9	Naphtha (petroleum), full-range alkylate; Low boiling point modified naphtha; [A complex combination of hydrocarbons produced by distillation of the reaction products of isobutane with monoolefinic hydrocarbons usually ranging in carbon numbers from C ₃ through C ₅ . It consist of predominantly branched chain saturated hydro-carbons having carbon numbers predominantly in the range of C ₇ through C ₁₂ and boiling in the range of approximately 90 °C to 220 °C (194°F to 428°F).]	265-066-7	64741-64-6	Carc. 1B Asp. Tox. 1	H350 H304	GHS08 Dgr	H350 H304			H P

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				Códigos de clase y categoría de peligro	Códigos de indicaciones de peligro	Códigos de pictogramas y palabras de advertencia	Códigos de indicaciones de peligro	Códigos de indicaciones de peligro suplementaria		
649-275-00-4	Naphtha (petroleum), heavy alkylate; Low boiling point modified naphtha; [A complex combination of hydrocarbons produced by distillation of the reaction products of isobutane with monoolefinic hydrocarbons usually ranging in carbon numbers from C ₃ to C ₅ . It consists of predominantly branched chain saturated hydrocarbons having carbon numbers predominantly in the range of C ₉ through C ₁₂ and boiling in the range of approximately 150 °C to 220 °C (302°F to 428°F).]	265-067-2	64741-65-7	Carc. 1B Asp. Tox. 1	H350 H304	GHS08 Dgr	H350 H304			H P
649-276-00-X	Naphtha (petroleum), light alkylate; Low boiling point modified naphtha; [A complex combination of hydrocarbons produced by distillation of the reaction products of isobutane with monoolefinic hydrocarbons usually ranging in carbon numbers from C ₃ through C ₅ . It consists of predominantly branched chain saturated hydrocarbons having carbon numbers predominantly in the range of C ₇ through C ₁₀ and boiling in the range of approximately 90 °C to 160 °C (194°F to 320°F).]	265-068-8	64741-66-8	Carc. 1B Asp. Tox. 1	H350 H304	GHS08 Dgr	H350 H304			H P
649-277-00-5	Naphtha (petroleum), isomerization; Low boiling point modified naphtha; [A complex combination of hydrocarbons obtained from catalytic isomerization of straight chain paraffinic C ₄ through C ₆ hydrocarbons. It consists predominantly of saturated hydrocarbons such as isobutane, isopentane, 2,2-dimethylbutane, 2-methylpentane, and 3-methylpentane.]	265-073-5	64741-70-4	Carc. 1B Asp. Tox. 1	H350 H304	GHS08 Dgr	H350 H304			H P

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				Códigos de clase y categoría de peligro	Códigos de indicaciones de peligro	Códigos de pictogramas y palabras de advertencia	Códigos de indicaciones de peligro	Códigos de indicaciones de peligro suplementaria		
649-278-00-0	Naphtha (petroleum), solvent-refined light; Low boiling point modified naphtha; [A complex combination of hydrocarbons obtained as the raffinate from a solvent extraction process. It consists predominantly of aliphatic hydrocarbons having carbon numbers predominantly in the range of C ₅ through C ₁₁ and boiling in the range of approximately 35 °C to 190 °C (95°F to 374°F).]	265-086-6	64741-84-0	Carc. 1B Asp. Tox. 1	H350 H304	GHS08 Dgr	H350 H304			H P
649-279-00-6	Naphtha (petroleum), solvent-refined heavy; Low boiling point modified naphtha; [A complex combination of hydrocarbons obtained as the raffinate from a solvent extraction process. It consists predominantly of aliphatic hydrocarbons having carbon numbers predominantly in the range of C ₇ through C ₁₂ and boiling in the range of approximately 90 °C to 230 °C (194°F to 446°F).]	265-095-5	64741-92-0	Carc. 1B Asp. Tox. 1	H350 H304	GHS08 Dgr	H350 H304			H P
649-280-00-1	Raffinates (petroleum), catalytic reformer ethylene glycol-water countercurrent exts.; Low boiling point modified naphtha; [A complex combination of hydrocarbons obtained as the raffinate from the UDEX extraction process on the catalytic reformer stream. It consists of saturated hydrocarbons having carbon numbers predominantly in the range of C ₆ through C ₉ .]	270-088-5	68410-71-9	Carc. 1B Asp. Tox. 1	H350 H304	GHS08 Dgr	H350 H304			H P
649-281-00-7	Raffinates (petroleum), reformer, Lurgi unit-sepd.; Low boiling point modified naphtha; [The complex combination of hydrocarbons obtained as a raffinate from a Lurgi separation unit. It consists predominantly of non-aromatic hydrocarbons with various small amounts of aromatic hydrocarbons having carbon numbers predominantly in the range of C ₆ through C ₈ .]	270-349-3	68425-35-4	Carc. 1B Asp. Tox. 1	H350 H304	GHS08 Dgr	H350 H304			H P

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				Códigos de clase y categoría de peligro	Códigos de indicaciones de peligro	Códigos de pictogramas y palabras de advertencia	Códigos de indicaciones de peligro	Códigos de indicaciones de peligro suplementaria		
649-282-00-2	Naphtha (petroleum), full-range alkylate, butane-contg.; Low boiling point modified naphtha; [A complex combination of hydrocarbons produced by the distillation of the reaction products of isobutane with monoolefinic hydrocarbons usually ranging in carbon numbers from C ₃ through C ₅ . It consists of predominantly branched chain saturated hydrocarbons having carbon numbers predominantly in the range of C ₇ through C ₁₂ with some butanes and boiling in the range of approximately 35 °C to 200 °C (95°F to 428°F).]	271-267-0	68527-27-5	Carc. 1B Asp. Tox. 1	H350 H304	GHS08 Dgr	H350 H304			H P
649-283-00-8	Distillates (petroleum), naphtha steam cracking-derived, solvent-refined light hydro-treated; Low boiling point modified naphtha; [A complex combination of hydrocarbons obtained as the raffinates from a solvent extraction process of hydrotreated light distillate from steam-cracked naphtha.]	295-315-5	91995-53-8	Carc. 1B Asp. Tox. 1	H350 H304	GHS08 Dgr	H350 H304			H P
649-284-00-3	Naphtha (petroleum), C ₄₋₁₂ butane-alkylate, isooctane-rich; Low boiling point modified naphtha; [A complex combination of hydrocarbons obtained by alkylation of butanes. It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C ₄ through C ₁₂ , rich in isooctane, and boiling in the range of approximately 35 °C to 210 °C (95°F to 410°F).]	295-430-0	92045-49-3	Carc. 1B Asp. Tox. 1	H350 H304	GHS08 Dgr	H350 H304			H P