

CORRESPONDENCE BETWEEN CORINAIR / NAPFUE 94 AND EUROSTAT FUEL NOMENCLATURE

CORINAIR / NAPFUE 94		EUROSTAT classification
	SOLID FUELS	
101	COKING COAL (GHV > 23865 kJ/kg)	HARD COAL
102	STEAM COAL (GHV > 23865 kJ/kg)	HARD COAL
103	SUB-BITUMINOUS(17435 kJ/kg <GHV< 23865 kJ/kg)	HARD COAL
104	PATENT FUELS (from hard/sub-bituminous coal)	PATENT FUELS
105	BROWN COAL / LIGNITE (GHV < 17435 kJ/kg)	BROWN COAL
106	BROWN COAL BRIQUETTES	BROWN COAL BRIQUETTES
107	COKE OVEN COKE FROM HARD COAL	COKE
108	COKE OVEN COKE FROM BROWN COAL	COKE
109	GAS COKE	COKE
110	PETROLEUM COKE	PETROLEUM COKE
111	WOOD AND SIMILAR WOOD WASTES	OTHER FUELS (1)
112	CHARCOAL	OTHER FUELS (1)
113	PEAT	PEAT
114	MUNICIPAL WASTES	OTHER FUELS
115	INDUSTRIAL SOLID WASTES	not included
116	WOOD WASTES (except wastes similar to wood)	OTHER FUELS
117	AGRICULTURAL WASTES (corncoobs, straw, etc...)	not included
118	SEWAGE SLUDGE	not included
119	REFUSE DERIVED FUELS	OTHER FUELS
120*	OIL-SHALE	HARD COAL
121*	OTHER SOLID FUELS (tar, benzol, pitch, etc.)	TAR, PITCH, BENZOL
	LIQUID FUELS	
201	CRUDE OIL	CRUDE OIL
203	RESIDUAL OIL	RESIDUAL FUEL OIL
204	GAS OIL	GAS / DIESEL OIL
205	DIESEL OIL FOR ROAD TRANSPORT	GAS / DIESEL OIL
206	KEROSENE	KEROSENE, JET FUELS
207	JET FUEL	KEROSENE, JET FUELS
208	MOTOR GASOLINE	MOTOR SPIRIT
209	AVIATION GASOLINE	MOTOR SPIRIT
210	NAPHTA	NAPHTA
211	SHALE-OIL	CRUDE OIL
212	GASOLINE ENGINE WASTE OIL	not included
213	DIESEL ENGINE WASTE OIL	not included
214	WASTE SOLVENTS	not included
215	BLACK LIQUOR	OTHER FUELS (1)
216	MIXTURE OF FUEL OIL AND COAL	OTHER PETROLEUM PRODUCTS (2)
217*	REFINERY FEEDSTOCKS AND ADDITIVES	OTHER PETROLEUM PRODUCTS
218*	OTHER LIQUID WASTES	not included
219*	LUBRICANTS	LUBRICANTS
220*	WHITE SPIRIT	WHITE SPIRIT
221*	PARAFFIN WAXES	OTHER PETROLEUM PRODUCTS
222*	BITUMEN	BITUMEN
223*	BIO-ALCOHOL	not included
224*	OTHER PETROLEUM PRODUCTS (grease, aromatic)	OTHER PETROLEUM PRODUCTS
225*	OTHER LIQUID FUELS	allocation depending on type of fuel
	GASEOUS FUELS	
301	NATURAL GAS (except liquefied natural gas)	NATURAL GAS
302*	NATURAL GAS LIQUIDS	NATURAL GAS (1)
303	LIQUEFIED PETROLEUM GASES (LPG)	LIQUEFIED PETROLEUM GAS
304	COKE OVEN GAS	COKE-OVEN GAS
305	BLAST FURNACE GAS	BLAST-FURNACE GAS
306	MIXTURE OF COKE OVEN AND BLAST FURNACE GAS	COKE-OVEN GAS (2)
307	WASTE GAS (especially chemical industry)	OTHER FUELS
308*	REFINERY AND PETROCHEMICAL GAS (not condensed)	REFINERY GAS
309	BIOGAS	NATURAL GAS
310	GAS FROM WASTE TIPS	NATURAL GAS
311	GAS WORKS GAS	WORKS GAS
312*	STEEL PLANT FURNACE GAS	BLAST-FURNACE GAS (1)
313*	HYDROGEN	OTHER FUELS
314*	OTHER GASEOUS FUEL	allocation depending on type of fuel

(*) points out new or modified items from NAPFUE 90
Item 202 in NAPFUE 90 is deleted.

(1) not clearly specified by EUROSTAT, but
(2) proposed by authors.

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CORRESPONDENCE BETWEEN CORINAIR / NAPFUE 94 AND IEA FUEL NOMENCLATURES

CORINAIR / NAPFUE 94		INTERNATIONAL ENERGY AGENCY classification
SOLID FUELS		
101	COKING COAL (GHV > 23865 kJ/kg)	COKING COAL (GHV > 23865 kJ/kg)
102	STEAM COAL (GHV > 23865 kJ/kg)	STEAM COAL (GHV > 23865 kJ/kg)
103	SUB-BITUMINOUS(17435 kJ/kg <GHV< 23865 kJ/kg)	SUB-BITUMINOUS(17435 kJ/kg <GHV< 23865 kJ/kg)
104	PATENT FUELS (from hard/sub-bituminous coal)	PATENT FUELS AND BROWN COAL BRIQUETTES
105	BROWN COAL / LIGNITE (GHV < 17435 kJ/kg)	BROWN COAL / LIGNITE (GHV < 17435 kJ/kg)
106	BROWN COAL BRIQUETTES	PATENT FUELS AND BROWN COAL BRIQUETTES
107	COKE OVEN COKE FROM HARD COAL	COKE OVEN AND GAS COKE
108	COKE OVEN COKE FROM BROWN COAL	COKE OVEN AND GAS COKE
109	GAS COKE	COKE OVEN AND GAS COKE
110	PETROLEUM COKE	PETROLEUM COKE
111	WOOD AND SIMILAR WOOD WASTES	SOLID BIOMASS AND ANIMAL PRODUCTS
112	CHARCOAL	SOLID BIOMASS AND ANIMAL PRODUCTS
113	PEAT	PEAT
114	MUNICIPAL WASTES	MUNICIPAL WASTE
115	INDUSTRIAL SOLID WASTES	INDUSTRIAL WASTE
116	WOOD WASTES (except wastes similar to wood)	SOLID BIOMASS AND ANIMAL PRODUCTS
117	AGRICULTURAL WASTES (corncoobs, straw, etc...)	SOLID BIOMASS AND ANIMAL PRODUCTS
118	SEWAGE SLUDGE	GAS AND LIQUIDS FROM BIOMASS
119	REFUSE DERIVED FUELS	MUNICIPAL WASTE
120*	OIL-SHALE	LIGNITE
121*	OTHER SOLID FUELS (tar, benzol, pitch, etc.)	allocation depending on type of fuel
LIQUID FUELS		
201	CRUDE OIL	CRUDE OIL
203	RESIDUAL OIL	HEAVY FUEL OIL (Residual)
204	GAS OIL	GAS/DIESEL OIL (Distillate fuel oil)
205	DIESEL OIL FOR ROAD TRANSPORT	GAS/DIESEL OIL (Distillate fuel oil)
206	KEROSENE	KEROSENE
207	JET FUEL	JET FUEL
208	MOTOR GASOLINE	MOTOR GASOLINE
209	AVIATION GASOLINE	AVIATION GASOLINE
210	NAPHTA	NAPHTA
211	SHALE-OIL	CRUDE OIL
212	GASOLINE ENGINE WASTE OIL	MOTOR GASOLINE
213	DIESEL ENGINE WASTE OIL	DIESEL GASOLINE
214	WASTE SOLVENTS	OTHER PETROLEUM PRODUCTS/OTHERS
215	BLACK LIQUOR	SOLID BIOMASS AND ANIMAL PRODUCTS
216	MIXTURE OF FUEL OIL AND COAL	allocated for respective parts in OIL and COAL categories
217*	REFINERY FEEDSTOCKS AND ADDITIVES	REFINERY FEEDSTOCKS AND ADDITIVES
218*	OTHER LIQUID WASTES	INDUSTRIAL WASTE or GAS AND LIQUIDS FROM BIOMASS
219*	LUBRICANTS	OTHER PETROLEUM PRODUCTS/LUBRICANTS
220*	WHITE SPIRIT	OTHER PETROLEUM PRODUCTS/WHITE SPIRIT AND SBP
221*	PARAFFIN WAXES	OTHER PETROLEUM PRODUCTS/PARAFFIN WAXES
222*	BITUMEN	OTHER PETROLEUM PRODUCTS/BITUMEN
223*	BIO-ALCOHOL	GAS AND LIQUIDS FROM BIOMASS
224*	OTHER PETROLEUM PRODUCTS (grease, aromatics,	OTHER PETROLEUM PRODUCTS/OTHERS
225*	OTHER LIQUID FUELS	allocation depending on type of fuel
GASEOUS FUELS		
301	NATURAL GAS (except liquefied natural gas)	NATURAL GAS
302*	NATURAL GAS LIQUIDS	NATURAL GAS LIQUIDS (NGL)
303	LIQUEFIED PETROLEUM GASES (LPG)	LIQUEFIED PETROLEUM GASES (LPG) AND ETHANE
304	COKE OVEN GAS	COKE OVEN GAS
305	BLAST FURNACE GAS	BLAST FURNACE GAS
306	MIXTURE OF COKE OVEN AND BLAST FURNACE GA	allocated for respective parts to COKE OVEN and BLAST FURNACE
307	WASTE GAS (especially chemical industry)	INDUSTRIAL WASTE
308*	REFINERY AND PETROCHEMICAL GAS (not condensable)	REFINERY GAS (not condensable)
309	BIOGAS	GAS AND LIQUIDS FROM BIOMASS
310	GAS FROM WASTE TIPS	GAS AND LIQUIDS FROM BIOMASS
311	GAS WORKS GAS	GAS WORKS GAS
312*	STEEL PLANT FURNACE GAS	BLAST FURNACE GAS
313*	HYDROGEN	not included
314*	OTHER GASEOUS FUEL	allocation depending on type of fuel

as: (*) points out new or modified items from NAPFUE 90

Item 202 in NAPFUE 90 is deleted.

CORRESPONDENCE BETWEEN CORINAIR / NAPFUE 94 AND IPCC FUEL NOMENCLATURES

CORINAIR / NAPFUE 94		IPCC classification	
	SOLID FUELS	CATEG.	SUBCATEGORY
101	COKING COAL (GHV > 23865 kJ/kg)	SOLID	COKING COAL
102	STEAM COAL (GHV > 23865 kJ/kg)	SOLID	OTHER BITUMINOUS COAL
103	SUB-BITUMINOUS (17435 kJ/kg < GHV < 23865 kJ/kg)	SOLID	SUB-BITUMINOUS COAL
104	PATENT FUELS (from hard/sub-bituminous coal)	SOLID	BKB / PATENT FUEL
105	BROWN COAL / LIGNITE (GHV < 17435 kJ/kg)	SOLID	LIGNITE
106	BROWN COAL BRIQUETTES	SOLID	BKB / PATENT FUEL
107	COKE OVEN COKE FROM HARD COAL	SOLID	COKE/COKE OVEN COKE
108	COKE OVEN COKE FROM BROWN COAL	SOLID	COKE/COKE OVEN COKE
109	GAS COKE	SOLID	COKE/GAS COKE
110	PETROLEUM COKE	LIQUID	PETROLEUM COKE
111	WOOD AND SIMILAR WOOD WASTES	BIOMASS	SOLID/WOOD
112	CHARCOAL	BIOMASS	SOLID/CHARCOAL
113	PEAT	SOLID	PEAT
114	MUNICIPAL WASTES	OTHER	MUNICIPAL SOLID WASTE
115	INDUSTRIAL SOLID WASTES	OTHER	INDUSTRIAL WASTE
116	WOOD WASTES (except wastes similar to wood)	BIOMASS	SOLID/VEGETAL WASTE
117	AGRICULTURAL WASTES (corncobs, straw, etc...)	BIOMASS	SOLID/VEGETAL WASTE
118	SEWAGE SLUDGE	BIOMASS	GAS/SLUDGE GAS
119	REFUSE DERIVED FUELS	OTHER	MUNICIPAL SOLID WASTE
120*	OIL-SHALE	SOLID	LIGNITE
121*	OTHER SOLID FUELS (tar, benzol, pitch, etc.)		allocation depending on type of fuel
	LIQUID FUELS		
201	CRUDE OIL	LIQUID	CRUDE OIL
203	RESIDUAL OIL	LIQUID	RESIDUAL FUEL OIL
204	GAS OIL	LIQUID	GAS / DIESEL OIL
205	DIESEL OIL FOR ROAD TRANSPORT	LIQUID	GAS / DIESEL OIL
206	KEROSENE	LIQUID	JET AND OTHER KEROSENE
207	JET FUEL	LIQUID	GASOLINE/JET GASOLINE
208	MOTOR GASOLINE	LIQUID	GASOLINE/MOTOR GASOLINE
209	AVIATION GASOLINE	LIQUID	GASOLINE/AVIATION GASOLINE
210	NAPHTA	LIQUID	NAPHTA
211	SHALE-OIL	LIQUID	CRUDE OIL
212	GASOLINE ENGINE WASTE OIL	LIQUID	GASOLINE/MOTOR GASOLINE
213	DIESEL ENGINE WASTE OIL	LIQUID	GAS / DIESEL OIL
214	WASTE SOLVENTS	LIQUID	OTHER OIL /OTHER
215	BLACK LIQUOR	BIOMASS	LIQUID/SULPHUR LIES
216	MIXTURE OF FUEL OIL AND COAL		allocated for respective parts in OIL and COAL categ.
217*	REFINERY FEEDSTOCKS AND ADDITIVES	LIQUID	REFINERY FEEDSTOCK
218*	OTHER LIQUID WASTES	OTHER	INDUSTRIAL WASTE
219*	LUBRICANTS	LIQUID	LUBRICANTS
220*	WHITE SPIRIT	LIQUID	OTHER OIL/WHITE SPIRIT
221*	PARAFFIN WAXES	LIQUID	OTHER OIL/PARAFFIN WAXES
222*	BITUMEN	LIQUID	BITUMEN
223*	BIO-ALCOHOL	BIOMASS	LIQUID/BIO-ALCOHOL
224*	OTHER PETROLEUM PRODUCTS (grease, aromatic)	LIQUID	OTHER OIL/OTHER
225*	OTHER LIQUID FUELS		allocation depending on type of fuel
	GASEOUS FUELS		
301	NATURAL GAS (except liquefied natural gas)	GAS	NATURAL GAS
302*	NATURAL GAS LIQUIDS	LIQUID	NATURAL GAS LIQUIDS
303	LIQUEFIED PETROLEUM GASES (LPG)	LIQUID	LIQUEFIED PETROLEUM GAS
304	COKE OVEN GAS	SOLID	DERIVED GASES/COKE OVEN GAS
305	BLAST FURNACE GAS	SOLID	DERIVED GASES/BLAST FURNACE GAS
306	MIXTURE OF COKE OVEN AND BLAST FURNACE G	SOLID	DERIVED GASES/to be allocated
307	WASTE GAS (especially chemical industry)	OTHER	INDUSTRIAL WASTE
308*	REFINERY AND PETROCHEMICAL GAS (not conden	LIQUID	OTHER OIL/REFINERY GAS
309	BIOGAS	BIOMASS	GAS/SLUDGE GAS
310	GAS FROM WASTE TIPS	BIOMASS	GAS/LANDFILL GAS
311	GAS WORKS GAS	SOLID	DERIVED GASES/GAS WORK GAS
312*	STEEL PLANT FURNACE GAS	SOLID	DERIVED GASES/BLAST FURNACE GAS
313*	HYDROGEN	-	not included
314*	OTHER GASEOUS FUEL		allocation depending on type of fuel

(*) points out new or modified items from NAPFUE 90

Item 202 in NAPFUE 90 is deleted.