

Pt. 98, Subpt. A, Table A-2

40 CFR Ch. I (7-1-12 Edition)

[100-Year Time Horizon]

Name	CAS No.	Chemical formula	Global warming potential (100 yr.)
Bis(trifluoromethyl)-methanol .....	920-66-1	(CF <sub>3</sub> ) <sub>2</sub> CHOH .....	195
2,2,3,3,3-pentafluoropropanol .....	422-05-9	CF <sub>3</sub> CF <sub>2</sub> CH <sub>2</sub> OH .....	42
PFPMIE .....	NA	CF <sub>3</sub> OCF(CF <sub>3</sub> )CF <sub>2</sub> OCF <sub>2</sub> OCF <sub>3</sub> .....	10,300

NA = not available.

TABLE A-2 TO SUBPART A OF PART 98—UNITS OF MEASURE CONVERSIONS

To convert from	To	Multiply by
Kilograms (kg) .....	Pounds (lbs) .....	2.20462
Pounds (lbs) .....	Kilograms (kg) .....	0.45359
Pounds (lbs) .....	Metric tons .....	4.53592 × 10 <sup>-4</sup>
Short tons .....	Pounds (lbs) .....	2,000
Short tons .....	Metric tons .....	0.90718
Metric tons .....	Short tons .....	1.10231
Metric tons .....	Kilograms (kg) .....	1,000
Cubic meters (m <sup>3</sup> ) .....	Cubic feet (ft <sup>3</sup> ) .....	35.31467
Cubic feet (ft <sup>3</sup> ) .....	Cubic meters (m <sup>3</sup> ) .....	0.028317
Gallons (liquid, US) .....	Liters (l) .....	3.78541
Liters (l) .....	Gallons (liquid, US) .....	0.26417
Barrels of Liquid Fuel (bbl) .....	Cubic meters (m <sup>3</sup> ) .....	0.15891
Cubic meters (m <sup>3</sup> ) .....	Barrels of Liquid Fuel (bbl) .....	6.289
Barrels of Liquid Fuel (bbl) .....	Gallons (liquid, US) .....	42
Gallons (liquid, US) .....	Barrels of Liquid Fuel (bbl) .....	0.023810
Gallons (liquid, US) .....	Cubic meters (m <sup>3</sup> ) .....	0.0037854
Liters (l) .....	Cubic meters (m <sup>3</sup> ) .....	0.001
Feet (ft) .....	Meters (m) .....	0.3048
Meters (m) .....	Feet (ft) .....	3.28084
Miles (mi) .....	Kilometers (km) .....	1.60934
Kilometers (km) .....	Miles (mi) .....	0.62137
Square feet (ft <sup>2</sup> ) .....	Acres .....	2.29568 × 10 <sup>-5</sup>
Square meters (m <sup>2</sup> ) .....	Acres .....	2.47105 × 10 <sup>-4</sup>
Square miles (mi <sup>2</sup> ) .....	Square kilometers (km <sup>2</sup> ) .....	2.58999
Degrees Celsius (°C) .....	Degrees Fahrenheit (°F) .....	°C = (°F) × (5/9) - 32
Degrees Fahrenheit (°F) .....	Degrees Celsius (°C) .....	°F = (°C) × (9/5) + 32
Degrees Celsius (°C) .....	Kelvin (K) .....	K = °C + 273.15
Kelvin (K) .....	Degrees Rankine (°R) .....	1.8
Joules .....	Btu .....	9.47817 × 10 <sup>-4</sup>
Btu .....	MMBtu .....	1 × 10 <sup>-6</sup>
Pascals (Pa) .....	Inches of Mercury (in Hg) .....	2.95334 × 10 <sup>-4</sup>
Inches of Mercury (inHg) .....	Pounds per square inch (psi) .....	0.49110
Pounds per square inch (psi) .....	Inches of Mercury (in Hg) .....	2.03625

TABLE A-3 TO SUBPART A OF PART 98—SOURCE CATEGORY LIST FOR § 98.2(a)(1)

TABLE A-3 TO SUBPART A—SOURCE CATEGORY LIST FOR § 98.2(a)(1)

Source Categories<sup>a</sup> Applicable in 2010 and Future Years

- Electricity generation units that report CO<sub>2</sub> mass emissions year round through 40 CFR part 75 (subpart D).
- Adipic acid production (subpart E).
- Aluminum production (subpart F).
- Ammonia manufacturing (subpart G).
- Cement production (subpart H).
- HCFC-22 production (subpart O).
- HFC-23 destruction processes that are not collocated with a HCFC-22 production facility and that destroy more than 2.14 metric tons of HFC-23 per year (subpart O).
- Lime manufacturing (subpart S).
- Nitric acid production (subpart V).
- Petrochemical production (subpart X).
- Petroleum refineries (subpart Y).
- Phosphoric acid production (subpart Z).
- Silicon carbide production (subpart BB).
- Soda ash production (subpart CC).

**Environmental Protection Agency**

**Pt. 98, Subpt. A, Table A-5**

TABLE A-3 TO SUBPART A—SOURCE CATEGORY LIST FOR § 98.2(a)(1)—Continued

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Titanium dioxide production (subpart EE).  
Municipal solid waste landfills that generate CH<sub>4</sub> in amounts equivalent to 25,000 metric tons CO<sub>2</sub>e or more per year, as determined according to subpart HH of this part.  
Manure management systems with combined CH<sub>4</sub> and N<sub>2</sub>O emissions in amounts equivalent to 25,000 metric tons CO<sub>2</sub>e or more per year, as determined according to subpart JJ of this part.

Additional Source Categories <sup>a</sup> Applicable in 2011 and Future Years  
Electrical transmission and distribution equipment use at facilities where the total nameplate capacity of SF<sub>6</sub> and PFC containing equipment exceeds 17,820 pounds, as determined under § 98.301 (subpart DD).  
Underground coal mines liberating 36,500,000 actual cubic feet of CH<sub>4</sub> or more per year (subpart FF).  
Geologic sequestration of carbon dioxide (subpart RR).  
Electrical transmission and distribution equipment manufacture or refurbishment (subpart SS).  
Injection of carbon dioxide (subpart UU).

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<sup>a</sup>Source categories are defined in each applicable subpart.

[75 FR 39760, July 12, 2010, as amended at 75 FR 74817, 75078, Dec. 1, 2010; 76 FR 73900, Nov. 29, 2011]

TABLE A-4 TO SUBPART A OF PART 98—SOURCE CATEGORY LIST FOR § 98.2(a)(2)

TABLE A-4 TO SUBPART A—SOURCE CATEGORY LIST FOR § 98.2(a)(2)

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Source Categories <sup>a</sup> Applicable in 2010 and Future Years  
Ferroalloy production (subpart K).  
Glass production (subpart N).  
Hydrogen production (subpart P).  
Iron and steel production (subpart Q).  
Lead production (subpart R).  
Pulp and paper manufacturing (subpart AA).  
Zinc production (subpart GG).

Additional Source Categories <sup>a</sup> Applicable in 2011 and Future Years  
Electronics manufacturing (subpart I)  
Fluorinated gas production (subpart L)  
Magnesium production (subpart T).  
Petroleum and Natural Gas Systems (subpart W)  
Industrial wastewater treatment (subpart II).  
Industrial waste landfills (subpart TT).

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<sup>a</sup>Source categories are defined in each applicable subpart.

[75 FR 39760, July 12, 2010, as amended at 75 FR 74488, Nov. 30, 2010; 75 FR 74817, Dec. 1, 2010]

TABLE A-5 TO SUBPART A OF PART 98—SUPPLIER CATEGORY LIST FOR § 98.2(a)(4)

TABLE A-5 TO SUBPART A—SUPPLIER CATEGORY LIST FOR § 98.2(a)(4)

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Supplier Categories <sup>a</sup> Applicable in 2010 and Future Years  
Coal-to-liquids suppliers (subpart LL):  
(A) All producers of coal-to-liquid products.  
(B) Importers of an annual quantity of coal-to-liquid products that is equivalent to 25,000 metric tons CO<sub>2</sub>e or more.  
(C) Exporters of an annual quantity of coal-to-liquid products that is equivalent to 25,000 metric tons CO<sub>2</sub>e or more.  
Petroleum product suppliers (subpart MM):  
(A) All petroleum refineries that distill crude oil.