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(d) If you manufacture a coating containing either an aromatic or aliphatic hydrocarbon solvent mixture, you must use the appropriate RF for that mixture provided in Table 2B or 2C of this subpart when calculating the PWR using formulation data. However, when calculating the PWR for a coating containing these mixtures using data from California Air Resources Board Method 310 (May 5, 2005) (incorporated by reference in 59.515), or EPA Method 311—Analysis of Hazardous Air Pollutant Compounds in Paints and Coatings by Direct Injection into a Gas Chromatograph (40 CFR part 63, appendix A), you must identify the individual compounds that are present in the solvent mixture and use the weight fraction of those individual compounds and their RF from Table 2A of this subpart in the calculation.

(e) If a VOC is used in a product but not listed in Table 2A of this subpart, the Reactivity Factor (RF) is assigned according to paragraphs (e)(1), (e)(2), (e)(3) or (e)(4) of this section.

(1) If the VOC is not listed in Table 2A of this subpart, but has an RF greater than 0.3, the regulated entity may petition EPA to add the VOC to Table 2A, as described in §59.511(j). Based on these petitions, EPA will periodically update the appropriate table. Once an RF for a VOC is listed on the appropriate table, that RF will be used for that VOC for the purposes of this rule. As provided in §59.511(j), any petitions submitted to EPA on or before June 1, 2008, will be considered, and if appropriate, incorporated into Table 2A on or before January 1, 2009.

(2) If the VOC is used in a product but not listed in Table 2A of this regulation, and has an RF less than or equal to 0.3, and will be used at a level greater than or equal to 7.3 weight percent (g of compound/g product) in any of the regulated entity's formulations, the regulated entity may petition EPA as described in §59.511(j). Based on these petitions, EPA will periodically update the appropriate table. Once an RF for a VOC is listed on the appropriate table, that RF will be used for that VOC for the purposes of this rule. As provided in §59.511(j), any petition submitted to EPA on or before June 1, 2008 will be considered, and if appropriate, incorporated into Table 2A on or before January 1, 2009.

(3) If a compound has an RF less than or equal to 0.3, and will not be used at a level greater than or equal to 7.3 weight percent (g of compound/g product) in any of the regulated entity's formulations, the RF to be used in all calculations by that entity for this subpart is 0.

(4) Except as provided in paragraph (e)(1), (e)(2) and (e)(3) of this section, if a VOC is not listed in Table 2A of this subpart, it is assigned a default RF factor of 22.04 g O3/g VOC. As described in §59.511(j), regulated entities may petition the Administrator to add a compound or mixture to Table 2A, 2B, or 2C of this subpart.

(f) In calculating the PWR value for a coating containing an aromatic hydrocarbon solvent with a boiling range different from the ranges specified in Table 2C of this subpart, you must assign an RF as described in paragraphs (f)(1) and (f)(2) of this section:

(1) If the solvent boiling point is lower than or equal to 420 degrees F, then you must use the RF in Table 2C of this subpart specified for bin 23;

(2) If the solvent boiling point is higher than 420 degrees F, then you must use the RF specified in Table 2C of this subpart for bin 24.

(g) For purposes of compliance with the PWR limits, all compounds listed in Tables 2A, 2B, or 2C that are used in the aerosol coating products must be included in the calculation. This includes compounds that may otherwise be exempted from the definition of VOC in §59.100(s).

§59.506 How do I demonstrate compliance if I manufacture multi-component kits?

(a) If you manufacture multi-component kits as defined in §59.503, then the Kit PWR must not exceed the Total Reactivity Limit.

(b) You must calculate the Kit PWR and the Total Reactivity Limit as follows:

(1) KIT PWR = $(PWR_{(1)} \times W_1) + (PWR_{(2)} \times W_2) + \ldots + (PWR_{(n)} \times W_n)$

(2) Total Reactivity Limit = $(RL_1 \times W_1) + (RL_2 \times W_2) + \ldots + (RL_n \times W_n)$.

(3) Kit PWR ≤ Total Reactivity Limit.

Where:

W = the weight of the product contents (excluding container).

RL = the PWR Limit specified in Table 1 of this subpart.

Subscript 1 denotes the first component product in the kit.

Subscript 2 denotes the second component product in the kit.

Subscript n denotes any additional component product.

§ 59.507 What are the labeling requirements for aerosol coatings?

(a) The labels of all aerosol products manufactured on and after the applicable compliance date listed in § 59.502 must contain the information listed in paragraphs (a)(1) through (4) of this section.

(1) The aerosol coating category code for the coating, based on the category definitions in § 59.503. This code can be the default category code shown in Table 1 of this subpart or a company-specific code, if that code is explained as required by § 59.511(a);

(2) The applicable PWR limit for the product specified in Table 1 of this subpart;

(3) The day, month, and year on which the product was manufactured, or a code indicating such date;

(4) The name and a contact address for the manufacturer, distributor, or importer that is the regulated entity under this subpart.

(b) The label on the product must be displayed in such a manner that it is readily observable without removing or disassembling any portion of the product container or packaging. The information may be displayed on the bottom of the container as long as it is clearly legible without removing any product packaging.

§ 59.508 What test methods must I use?

(a) Except as provided in § 59.505(c), you must use the procedures in California Air Resource Board Method 310—Determination of Volatile Organic Compounds (VOC) in Consumer Products and Reactive Organic Compounds in Aerosol Coating Products (May 5, 2005) (incorporated by reference in § 59.515) or EPA's Method 311—Analysis of Hazardous Air Pollutant Compounds in Paints and Coatings by Direct Injection into a Gas Chromatograph (40 CFR part 63, appendix A) to determine the speciated ingredients and weight percentage of each ingredient of each aerosol coating product. EPA Method 311—Analysis of Hazardous Air Pollutant Compounds in Paints and Coatings by Direct Injection into a Gas Chromatograph (40 CFR part 63, appendix A) must be used in conjunction with ASTM Method D3063–94 or D3074–94 for analysis of the propellant portion of the coating. Those choosing to use California Air Resources Board Method 310 (May 5, 2005) (incorporated by reference in § 59.515) must follow the procedures specified in section 5.0 of that method with the exception of section 5.3.1, which requires the analysis of the VOC content of the coating. For the purposes of this subpart, you are not required to determine the VOC content of the aerosol coating. For both California Air Resources Board Method 310 (May 5, 2005) (incorporated by reference in § 59.515) and EPA Method 311—Analysis of Hazardous Air Pollutant Compounds in Paints and Coatings by Direct Injection into a Gas Chromatograph (40 CFR part 63, appendix A), you must have a listing of the VOC ingredients in the coating before conducting the analysis.

(b) To determine the metal content of metallic aerosol coating products, you must use South Coast Air Quality Management District (SCAQMD) Method 318–95, Determination of Weight Percent Elemental Metal in Coatings by X-ray Diffraction, July, 1996, in 40 CFR part 59 (incorporated by reference in § 59.515).

To determine the specular gloss of flat and nonflat coatings you must use ASTM Method D523–89 (Reapproved 1999), Standard Test Method for Specular Gloss, in 40 CFR part 59 (incorporated by reference in § 59.515).

§ 59.509 Can I get a variance?

(a) Any regulated entity that cannot comply with the requirements of this subpart because of circumstances beyond its reasonable control may apply in writing to the Administrator for a temporary variance. The variance application must include the information specified in paragraphs (a)(1) through (a)(5) of this section.