Environmental Protection Agency § 63.5753

\[
\text{HAP}_{\text{WD}} = \frac{\sum_{j=1}^{n} (\text{Vol}_j)(D_j)(W_j)}{\sum_{i=1}^{m} (\text{Vol}_i)(\text{Solids}_i)} \quad \text{(Eq. 1)}
\]

Where:
- HAP\textsubscript{WD}\textsuperscript{=}= weighted-average organic HAP content of aluminum wipedown solvents, kilograms of HAP per liter of total coating solids from aluminum primers, top coats, and clear coats.
- n = number of different wipedown solvents used in the past 12 months.
- Vol\textsubscript{j}= volume of aluminum wipedown solvent j used in the past 12 months, liters.
- D\textsubscript{j}= density of aluminum wipedown solvent j, kilograms per liter.
- W\textsubscript{j}= mass fraction of organic HAP in aluminum wipedown solvent j.
- m = number of different aluminum surface coatings (primers, top coats, and clear coats) used in the past 12 months.

Vol\textsubscript{i}= volume of aluminum primer, top coat, or clear coat i used in the past 12 months, liters.
Solids\textsubscript{i}= solids content aluminum primer, top coat, or clear coat i, liter solids per liter of coating.

(b) Compliance is based on a 12-month rolling average. If the weighted-average organic HAP content does not exceed 0.33 kilograms of organic HAP per liter of total coating solids, then you are in compliance with the emission limit specified in §63.5743(a)(1).

§ 63.5752 How do I calculate the organic HAP content of aluminum recreational boat surface coatings?

(a) Use equation 1 of this section to calculate the weighted-average HAP content for all aluminum coating materials, kilograms of organic HAP per liter of coating solids.

\[
\text{HAP}_{SC} = \frac{\sum_{i=1}^{m} (\text{Vol}_i)(D_i)(W_i) + \sum_{k=1}^{p} (\text{Vol}_k)(D_k)(W_k)}{\sum_{i=1}^{m} (\text{Vol}_i)(\text{Solids}_i)} \quad \text{(Eq. 1)}
\]

Where:
- HAP\textsubscript{SC}\textsuperscript{=}= weighted-average organic HAP content for all aluminum coating materials, kilograms of organic HAP per liter of coating solids.
- m = number of different aluminum primers, top coats, and clear coats used in the past 12 months.
- Vol\textsubscript{i}= volume of aluminum primer, top coat, or clear coat i used in the past 12 months, liters.
- D\textsubscript{i}= density of coating i, kilograms per liter.
- W\textsubscript{i}= mass fraction of organic HAP in coating i, kilograms of organic HAP per kilogram of coating.
- p = number of different thinners, activators, and other coating additives used in the past 12 months.
- Vol\textsubscript{k}= total volume of thinner, activator, or additive k used in the past 12 months, liters.
- D\textsubscript{k}= density of thinner, activator, or additive k, kilograms per liter.
- W\textsubscript{k}= mass fraction of organic HAP in thinner, activator, or additive k, kilograms of organic HAP per kilogram of thinner or activator.
Solids\textsubscript{i}= solids content aluminum primer, top coat, or clear coat i, liter solids per liter of coating.

(b) Compliance is based on a 12-month rolling average. If the weighted-average organic HAP content does not exceed 1.22 kilograms of organic HAP per liter of coating solids, then you are in compliance with the emission limit specified in §63.5743(a)(2).

§ 63.5753 How do I calculate the combined organic HAP content of aluminum wipedown solvents and aluminum recreational boat surface coatings?

(a) Use equation 1 of this section to calculate the combined weighted-average organic HAP content of aluminum wipedown solvents and aluminum recreational boat surface coatings.
§ 63.5755 How do I demonstrate compliance with the aluminum recreational boat surface coating spray gun cleaning work practice standards?

You must demonstrate compliance with the aluminum coating spray gun cleaning work practice standards by meeting the requirements of paragraph (a) or (b) of this section.

(a) Demonstrate that solvents used to clean the aluminum coating spray guns contain no more than 5 percent organic HAP by weight by determining organic HAP content with the methods in §63.5758. Keep records of the organic HAP content determination.

(b) For solvents containing more than 5 percent organic HAP by weight, comply with the requirements in paragraph (b)(1) or (b)(2), and paragraph (b)(3) of this section.

(1) If you are using an enclosed spray gun cleaner, visually inspect it at least once per month to ensure that covers are in place and the covers have no visible gaps when the cleaner is not in use, and that there are no leaks from hoses or fittings.

(2) If you are manually cleaning the gun or spraying solvent into a container that can be closed, visually inspect all solvent containers at least once per month to ensure that the containers have covers and the covers fit with no visible gaps.

(3) Keep records of the monthly inspections and any repairs that are made to the enclosed gun cleaners or the covers.

§ 63.5758 How do I determine the organic HAP content of materials?

(a) Determine the organic HAP content for each material used. To determine the organic HAP content for each material used in your open molding resin and gel coat operations, carpet and fabric adhesive operations, or aluminum recreational boat surface coating operations, you must use one of the options in paragraphs (a)(1) through (6) of this section.

(1) Method 311 (appendix A to 40 CFR part 63). You may use Method 311 for determining the mass fraction of organic HAP. Use the procedures specified in paragraphs (a)(1)(i) and (ii) of this section when determining organic HAP content by Method 311.

(ii) Calculate the total organic HAP content in the test material by adding up the individual organic HAP contents and truncating the result to three places after the decimal point (for example, 0.123).

(2) Method 24 (appendix A to 40 CFR part 60). You may use Method 24 to determine the mass fraction of non-aqueous volatile matter of aluminum coatings and use that value as a substitute for mass fraction of organic HAP.