Environmental Protection Agency § 63.5753

\[
\text{HAP}_{\text{WD}} = \sum_{i=1}^{n} \left( \frac{\text{Vol}_i}{\text{D}_i} \right) (W_j) \quad \text{(Eq. 1)}
\]

Where:
- \( \text{HAP}_{\text{WD}} \) = 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.
- \( \text{Vol}_i \) = volume of aluminum wipedown solvent \( j \) used in the past 12 months, liters.
- \( \text{D}_i \) = density of aluminum wipedown solvent \( j \), kilograms per liter.
- \( W_j \) = mass fraction of organic HAP in aluminum wipedown solvent \( j \).

Vol, = volume of aluminum primer, top coat, or clear coat \( i \) used in the past 12 months, liters.
Solids, = 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 surface coatings used in the past 12 months.

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

Where:
- \( \text{HAP}_{\text{SC}} \) = 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.
- \( \text{Vol}_i \) = volume of aluminum primer, top coat, or clear coat \( i \) used in the past 12 months, liters.
- \( \text{D}_i \) = density of coating \( i \), kilograms per liter.
- \( W_i \) = 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.
- \( \text{Vol}_k \) = total volume of thinner, activator, or additive \( k \) used in the past 12 months, liters.
- \( \text{D}_k \) = density of thinner, activator, or additive \( k \), kilograms per liter.
- \( W_k \) = mass fraction of organic HAP in thinner, activator, or additive \( k \), kilograms of organic HAP per kilogram of thinner or activator.
- \( \text{Solids}_i \) = 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.