
40 C.F.R. § 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.

$$HAP_{SC} = \frac{\sum_{i=1}^m (Vol_i)(D_i)(W_i) + \sum_{k=1}^p (Vol_k)(D_k)(W_k)}{\sum_{i=1}^m (Vol_i)(Solids_i)} \quad (Eq. 1)$$

Where:

HAP_{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. Vol_i = volume of aluminum primer, top coat, or clear coat i used in the past 12 months, liters. 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. Vol_k = total volume of thinner, activator, or additive k used in the past 12 months, liters. 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. Solids_i = solids content of aluminum primer, top coat, or clear coat i, liter solids per liter of coating.

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