

DRAFT 2023 CONSUMER & COMMERCIAL PRODUCTS SURVEY

April 30, 2026

Format Overview and Explanation

The following documents provide draft results of the 2023 Consumer & Commercial Products Survey for public stakeholder review. These documents have been formatted to protect individual company's confidentiality yet are detailed enough to provide comprehensive summary information regarding consumer product sales, chemical speciation, emissions, and reactivity. **Please see the 'Read Me' portion of each of the documents identified below for additional information regarding how these draft data were generated and are displayed.**

Draft Data Summary - All Categories

This file provides draft summary product information and emissions data by survey product category code. Product Information columns summarize the number of responding companies, number of products, product sales volume, and product speciation. This information reflects product content as sold and does not include chemical fate and transport adjustments. Product category speciation, such as sales-weighted average volatile organic compound (VOC) content, does not reflect applicable dilution requirements included in specific product use instructions. Emissions Data columns summarize VOC, reactive organic gas (ROG), and total organic gas (TOG) emissions, as well as product-weighted maximum incremental reactivity (PWMIR), and ozone forming potential by survey product category code. Emissions data reflect applicable chemical fate and transport adjustments as detailed in the Survey Fate and Transport Adjustments document.

Data for survey categories with three or fewer products or reporting companies were withheld to protect confidentiality.

Draft TOG Speciation Summary Report

This file includes detailed TOG speciation for consumer products as a whole, as well as for each of the broader consumer product survey category market sectors. This report identifies and quantifies the chemical ingredients responsible for approximately 95 percent by weight of the TOG of each consumer product category series.

Draft TOG Ingredients per Category Code

This file enables users to look up TOG ingredients that comprise at least 0.1 percent by weight of the total TOG emissions for each survey category code. CARB has taken several steps to help ensure ingredients cannot be associated with any specific product or responsible party.

Draft Number of Products per Responsible Party by Survey Category

This file includes the list of all responsible parties that responded to the survey and enables users to look up the number of products reported by each responsible party for each survey category code. CARB has excluded category codes that include products from three or fewer responsible parties to protect confidentiality.

Date

Finally, the following files provide supporting technical information applicable to the survey data:

- Draft Consumer Products Survey Chemical List and Assignments indicates whether each TOG ingredient for the purposes of this survey is a VOC, a low vapor pressure-VOC (LVP-VOC), or exempt VOC. Maximum Incremental Reactivity (MIR) values for each individual ingredient are also included.
- Draft List of Hydrocarbon Solvent Bins reported in recent consumer products surveys.
- Survey Fate and Transport Adjustments identifies the adjustments made to the applicable product category emissions to reflect the likelihood of product content being emitted “down-a-drain” in the aqueous phase or combusted. The document can be accessed at the following link: [*Fate and Transport updates incorporated into the Consumer Products Emission Inventory*](#)

For additional information regarding the above documents, please review each document’s “Read Me” section, or contact Mr. Austin Henry at austin.henry@arb.ca.gov or Mr. Moslem Hossein Mardi, Manager, Implementation Section at moslem.hossein-mardi@arb.ca.gov.