

# ELC VENTURES

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**Project Number:** 31323001

**Date:** February 19, 2024

**Customer:** Dumond Inc., 253 S. Bailey Rd, Downingtown, Pennsylvania 19335

**Project:** Determination of Volatile Organic Compounds (VOC) and Flash Point of **Smart Strip® 1 HD** paint remover.

**Scope:** Determine and report the percent and grams per liter of VOC as defined by the United States Environmental Protection Agency (EPA) Method 24 and test and report the flash point as analyzed via ASTM D93 Closed Cup Method

**Product:** **Smart Strip® 1 HD Paint Remover**

<b><u>Results:</u></b>	<b>VOC %</b>	<b>VOC - G/L</b>	<b>FLASH POINT</b>
	0.00	N/A	NONE

**Smart Strip® 1 HD** is VOC free and, with no flash points above 100 °F / 37.78 °C, is non-flammable.

## **Conclusion:**

Test methods are often incorporated into regulations and programs that define volatility by specifying analytical procedures and parameters (time, temperature, reference material, column polarity, etc.) for determining VOC content. Consequently, each test method implies its own definition for volatility. These differences lead to varying VOC content results which may conflict with one another. EPA Method 24 is specifically for determining VOC content of coatings and generally is the accepted standard for VOC testing for all surface coatings, lubricants, cleaning materials, and some inks.

## **Summation:**

Benzyl Alcohol, following the Environmental Protection Agency (EPA), California Air Resources Board (CARB) and Ozone Transport Commission (OTC) testing protocols, is listed as non-volatile.<sup>A</sup> Also, it is listed as a Low Vapor Pressure (LVP) solvents for certified VOC exemptions for consumer products per the California Air Resources Board.<sup>B</sup>

## **References:**

- A. Non-Volatile, Semi-Volatile, or Volatile: Redefining Volatile for Volatile Organic Compounds (aqmd.gov)
- B. [VOC Exempt and LVP Solvents | AG Layne, Inc.](#)

**285 BERLIN TURNPIKE, SUITE 165, BERLIN, CONNECTICUT 06037**