

WASP AND HORNET SPRAY
(Aerosols)

Preliminary Draft VOC Limit: 10% by weight

I. Product Definition:

"Wasp and Hornet Spray" means any aerosol insecticide product that is designed for use against wasps, hornets, yellow jackets, or bees by allowing the user to spray from a distance a directed stream or burst at the intended insects, their nest, or other hiding place.

II. Typical Formulations of Complying Products (Category 320):

Disclaimer: The following sample formulations for complying products are not intended to be complete formulations. Air Resources Board staff realize that consumer product formulations are often complex mixtures that require extensive testing to optimize. The sample formulations are intended to illustrate the approximate proportions of compounds that may be used to formulate a consumer product that meets the draft volatile organic compound limits for the Mid-term Measures.

A. Aerosols

1. Water-based formulation:*

Wt. %	Ingredient
80 - 90	Water
0 - 10	VOC's
0 - 5	LVP VOC's
0 - 1	Inorganics

2. Formulation using LVP VOC's and non-VOC propellant:*

Wt. %	Ingredient
90 - 95	LVP VOC's
0 - 10	VOC's
1 - 5	CO2 Propellant
0 - 1	Inorganics

* As seen in our 1995 Mid-term Measures Survey

PRELIMINARY DRAFT - February 20, 1997

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3. Formulation using emulsion technology:

Wt. %	Ingredient
80 - 90	Water
10	VOC's
1 - 5	LVP emulsifier
0 - 1	Inorganics

4. Formulation using acetone and non-VOC propellant:

Wt. %	Ingredient
80 - 90	Acetone
0 - 10	VOC's
1 - 5	CO2 propellant
0 - 1	Inorganics

5. Formulation using a non-VOC propellant (e.g., HFC - 152a):

Wt. %	Ingredient
20	Non-VOC propellant
10	VOC's
70 - 90	Water or LVP VOC's
0 - 1	Inorganics