

PRELIMINARY DRAFT - February 20, 1997

PENETRANT

Preliminary Draft VOC Limit: 40% by weight

I. Product Definition:

"Penetrant" means a *lubricant* product which is designed and labeled primarily to loosen metal parts that have bonded together due to rusting, oxidation, or other causes. This does not include *multipurpose lubricants* that may claim to have penetrating qualities, but are not labeled primarily to loosen bonded parts.

Note: Terms in italics to be defined separately.

II. Typical Formulations of Complying Products (Category 650):

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.

1. Aerosol based on low vapor pressure (LVP) solvent:*

Wt. %	Ingredient
96 - 98	LVP oil and LVP solvent
2 - 4	CO ₂ propellant

2. Aerosol based on water and non-VOC propellant:

Wt. %	Ingredient
20 - 30	Water
15 - 25	Non-VOC liquefied gas propellant
10 - 20	LVP (oil and emulsifier)
40	VOC solvent

* As seen in our 1995 Mid-term Measures Survey

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3. Aerosol based on acetone and non-VOC propellant:

Wt. %	Ingredient
20 - 30	Non-VOC propellant
5 - 15	LVP oil
20 - 30	Acetone
40	VOC solvent

* As seen in our 1995 Mid-term Measures Survey