

PRELIMINARY DRAFT - February 20, 1997

**UNDERCOATING
(Aerosol and Non-aerosol)**

**Preliminary Draft VOC Limit (aerosols): 20% by weight
(non-aerosols): 30% by weight**

I. Product Definition:

"Undercoating" means any product that is designed to impart a protective, non-paint layer to the underside of motor vehicles to prevent the formation of rust. Examples include, but are not limited to, rubberized, mastic or asphaltic undercoatings.

II. Typical Formulations of Complying Products (Category 230):

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. Aerosol Products

1. Water-based formulation:

Wt. %	Ingredient
25-30	Water
5-10	VOC's
20-25	LVP VOC's
15-20	Inorganics
15-20	Non-VOC/ VOC Propellant Blend

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2. VOC solvent based formulation:

Wt. %	Ingredient
20-25	Water
30-35 (VOC content 13-16%)	VOC: Solvent Continuous Microemulsion
8-12	Inorganics
15-20	LVP VOC's
15-20	Non-VOC/ VOC Propellant Blend

B. Non-aerosols

1. Water-based formulation*:

Wt. %	Ingredient
25-35	Water
20-30	VOC's
25-30	LVP VOC's
20-30	Inorganics

* As seen in our 1995 Mid-term Measures Survey

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2. Solvent based formulation*:

Wt. %	Ingredient
25-30	VOC's
1-5	Water
30-40	LVP VOC's
25-35	Inorganics

* As seen in our 1995 Mid-term Measures Survey