

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT

(Adopted March 06, 2009)

RULE 1143. CONSUMER PAINT THINNERS & MULTI-PURPOSE SOLVENTS

(a) Purpose

The purpose of this rule is to reduce emissions of volatile organic compounds (VOCs) from the use, storage and disposal of consumer paint thinners and multi-purpose solvents commonly used in thinning of coating materials, cleaning of coating application equipment, and other solvent cleaning operations by limiting their VOC content.

(b) Applicability

This rule is applicable to any person who supplies, sells, offers for sale, or manufactures consumer paint thinners and multi-purpose solvents for sale in the District, as well as any person who uses or solicits the use of any consumer paint thinner and multi-purpose solvent within the District.

(c) Definitions

For the purpose of this rule, the following definitions shall apply:

- (1) CONSUMER means any person who seeks, purchases, or acquires any consumer product for personal, family, household, or institutional use. Persons who acquire a consumer product for resale are not “consumers” for that product.
- (2) DISTRIBUTOR means any person to whom a consumer product is sold or supplied for the purposes of resale or distribution in commerce, except that manufacturers, retailers, and consumers are not distributors.
- (3) EXEMPT COMPOUND is as defined in Rule 102.
- (4) FORMULATION DATA is the actual product recipe which itemizes all the ingredients contained in a product including VOCs and the quantities thereof used by the manufacturer to create the product. Material Safety Data Sheets (MSDS) are not considered formulation data.

- (5) GRAMS OF VOC PER LITER OF MATERIAL is the weight of VOC per volume of material and can be calculated by the following equation:

$$\text{Grams of VOC per Liter of Material} = \frac{W_s - W_w - W_{es}}{V_m}$$

Where:

W_s	=	weight of volatile compounds in grams
W_w	=	weight of water in grams
W_{es}	=	weight of exempt compounds in grams
V_m	=	volume of the material in liters

- (6) INDUSTRIAL MAINTENANCE COATINGS are coatings, including primers, sealers, undercoaters, intermediate coatings and topcoats, formulated for or applied to substrates, including floors that are exposed to one or more of the following extreme environmental conditions:
- (A) immersion in water, wastewater, or chemical solutions (aqueous and non-aqueous solutions), or chronic exposure of interior surfaces to moisture condensation;
 - (B) acute or chronic exposure to corrosive, caustic or acidic agents, or similar chemicals, chemical fumes, chemical mixtures, or solutions;
 - (C) repeated exposure to temperatures in excess of 250 degrees Fahrenheit;
 - (D) repeated heavy abrasion, including mechanical wear and repeated scrubbing with industrial solvents, cleaners, or scouring agents; or
 - (E) exterior exposure of metal structures.
- (7) LACQUER THINNERS are solvents that are manufactured for the purpose of thinning, diluting, dissolving, and for clean-up of lacquer coatings.
- (8) MULTI-PURPOSE SOLVENTS are any liquid product designed or labeled to be used for dispersing or dissolving or removing contaminants or other organic materials. Multi-purpose solvents include products that do not display specific use instructions on the product container or packaging; products that do not specify an end-use function or application on the product container or packaging; and solvents used in institutional facilities, except for laboratory reagents used in analytical, educational, research, scientific or other laboratories.

Notwithstanding the above, multi-purpose solvents do not include solvents used in cold cleaners, vapor degreasers, conveyORIZED degreasers or film cleaning machines, or solvents that are incorporated into, or used exclusively in the manufacture or construction of, the goods or commodities at the site of the establishment. Multi-purpose solvents also do not include any product making any representation that the product may be used as, or is suitable for use as a consumer product which qualifies under another definition in Cal. Code Regs. tit 17, § 94508 as of the date of adoption.

- (9) PAINT THINNERS are solvents that are manufactured for the purpose of reducing the viscosity of coating compositions or components and displays the term, but not limited to, "Paint Thinner," "Lacquer Thinner," "Thinner," or "Reducer" on the front panel of its packaging.
 - (10) PERSON means any individual, firm, association, organization, partnership, business trust, corporation, company, contractor, supplier, installer, user or owner, or any state or local governmental agency or public district or any other officer or employee thereof. PERSON also means the United States or its agencies to the extent authorized by Federal law.
 - (11) RETAIL OUTLET means any establishment at which consumer products are sold, supplied, or offered for sale directly to consumers.
 - (12) SOLICIT is to require for use or to specify, by written or oral contract.
 - (13) SOLVENTS include diluents and thinners and are defined as organic materials which are liquids at standard conditions and which are used as dissolvers, viscosity reducers or cleaning agents.
 - (14) SOLVENT CLEANING is the removal of adhesives, inks, coatings, and contaminants which include, but are not limited to, dirt, soil, and grease from parts, products, tools, machinery, equipment, and general work areas.
 - (15) SOLVENT FLUSHING is the use of a solvent to remove adhesives, inks, coatings, or contaminants from the internal surfaces and passages of the equipment by inducing a rapid flow of solvent through the equipment.
 - (16) VOC (VOLATILE ORGANIC COMPOUND) is as defined in Rule 102.
- (d) Requirements
- (1) Except as provided in paragraph (d)(2), no person shall supply, sell, offer for sale, manufacture, blend, or repackage any consumer paint thinner or

multi-purpose solvent for use in the District unless the consumer paint thinner or multi-purpose solvent complies with the applicable requirements set forth in the table below:

CATEGORY	EFFECTIVE 1/1/2010	EFFECTIVE 1/1/2011
	VOC g/L (lb/Gal)	VOC g/L (lb/Gal)
Paint Thinner	300 (2.50)	25 (0.21)
Multi-Purpose Solvent	300 (2.50)	25 (0.21)

- (2) **Sell-Through Provision**
Any paint thinner or multi-purpose solvent that is manufactured prior to the implementation date, may be sold, supplied, offered for sale, or used for up to one year after the specified effective date.
- (3) The prohibition of sale shall not apply to any manufacturer of paint thinners or multi-purpose-solvents provided that:
 - (A) The product was sold to an independent distributor that was informed in writing by the manufacturer about the compliance status of the product, or
 - (B) The product meets one of the exemptions as noted in subdivision (j), or
 - (C) The product meets the sell-through provision in paragraph (d)(2).
- (4) Any solvent container in which the contents therein are applied directly to a surface from said container by pouring, siphoning, brushing, rolling, padding, rag application or other means, shall be closed when not in use. These solvent containers include, but shall not be limited to: drums, buckets, cans, pails, trays or other application containers.
- (5) **General Prohibition**
No person shall supply, sell, offer for sale, manufacture, blend, or repackage any consumer paint thinner or multi-purpose solvent for use in the District subject to the provisions of this rule with any materials that contain in the excess of 0.1% by weight any Group II exempt compounds listed in Rule 102. Cyclic, branched, or linear, completely methylated siloxanes (VMS) are not subject to this prohibition.

(e) Administrative Requirements

- (1) Point of sale containers, for sale or distribution, of any consumer paint thinner or multi-purpose solvent subject to this rule shall display the maximum VOC content, as supplied, and the maximum VOC content after any dilution as recommended by the manufacturer.
- (2) Point of sale containers, for sale or distribution, of any consumer paint thinner and multi-purpose solvent subject to this rule shall display the date of manufacture of the contents or a code indicating the date of manufacture. The manufacturers of such consumer paint thinners and multi-purpose solvents shall file with the Executive Officer an explanation of each code.
- (3) Any manufacturer and any of their distributors that supply consumer paint thinners and multi-purpose solvents with intent to sell in the District shall submit an application as specified by the Executive Officer to apply for a distributor or manufacturer identification (ID) number by the applicable date in subdivision (g). The application form shall be signed by the responsible party for the distributors and manufacturers certifying that all information submitted (including electronic submittals) is true and correct. The Executive Officer shall be notified in writing within 30 days of any change in the responsible party of the manufacturer.
- (4) On or before May 1, 2010, and each subsequent January 1 thereafter, all distributors and manufacturers subject to this rule shall provide to the District a list of all their U.S. distributors to whom they supply products subject to this rule, including but not limited to private label coatings and toll manufactured coatings. The list shall be in a format determined by the Executive Officer and shall include the distributor's name, address, contact person and phone number.
- (5) Effective April 1, 2010, each manufacturer and distributor shall, on or before April 1 of each subsequent calendar year, submit an annual quantity and emissions report to the Executive Officer.

(f) Recordkeeping

- (1) Manufacturers and/or distributors shall maintain a copy of the application receipt from the District. The receipt shall be maintained for five (5) years and made available upon request by the Executive Officer.

- (2) Manufacturers shall maintain records to verify data necessary to determine annual paint thinner and multi-purpose solvent sales subject to this rule and VOC emissions in the District, and compliance with applicable rules and regulations. The records shall be maintained for five (5) years and made available upon request by the Executive Officer. Such records shall include but not be limited to:
 - (A) Product formulation records (to include grams of VOC per liter of material):
 - (i) Laboratory reports [including percent weight of non-volatiles, water, and exempts (if applicable); density of the coating; and raw laboratory data] of test methods conducted as specified in paragraph (i)(1), or
 - (ii) Product formulation data, including physical properties analyses, as applicable, with a VOC calculation demonstration; and
 - (B) Production records including batch tickets with the date of manufacture, batch weight and volume; and
 - (C) Distribution records:
 - (i) Customer lists or store distribution lists or both (as applicable) and
 - (ii) Shipping manifests or bills of lading or both (as applicable); and
 - (D) Sales records consisting of point of sale receipts or invoices to local distributors or both, as applicable.
- (g) Compliance Dates
 - (1) Consumer paint thinner and multi-purpose solvent manufacturers that begin to manufacture, supply, sell or offer for sale consumer paint thinners and multi-purpose solvents subject to this rule and for use in the District after July 1, 2009 shall submit the application required in paragraph (e)(3) no later than thirty (30) calendar days prior to manufacturing, supplying, selling, or offering for sale, any consumer paint thinner and multi-purpose solvent subject to this rule and for use in the District.
 - (2) Within thirty (30) calendar days after a change of consumer paint thinner and multi-purpose solvent manufacturer, the new consumer paint thinner and multi-purpose solvent manufacturer shall submit the application for a

company ID number as required in paragraph (e)(3). That filing shall include the previous consumer paint thinner and multi-purpose solvent manufacturer's ID number.

(h) Confidentiality of Information

Subject to the provisions of the California Public Records Act (Govt. Code §§ 6250-6276.48) information submitted to the Executive Officer may be designated as confidential. District guidelines require a detailed and complete basis for such claim.

(i) Test Methods

For the purpose of this rule, the following test methods shall be used:

(1) Determination of VOC Content

The VOC content of materials subject to the provisions of this rule shall be determined by:

- (A) U.S. EPA Reference Test Method 24 (Determination of Volatile Matter Content, Water Content, Density, Volume Solids, and Weight Solids of Surface Coatings, Code of Federal Regulations Title 40, Part 60, Appendix A) with the exempt compound content determined by Method 303 (Determination of Exempt Compounds) in the SCAQMD "Laboratory Methods of Analysis for Enforcement Samples" manual; or
- (B) Method 304 [Determination of Volatile Organic Compounds (VOC) in Various Materials] in the SCAQMD "Laboratory Methods of Analysis for Enforcement Samples" manual.
- (C) Exempt Perfluorocarbon Compounds

The following classes of compounds:

- cyclic, branched, or linear, completely fluorinated alkanes
- cyclic, branched, or linear, completely fluorinated ethers with no unsaturations;
- cyclic, branched, or linear, completely fluorinated tertiary amines with no unsaturations; and
- sulfur-containing perfluorocarbons with no unsaturations and with sulfur bonds only to carbon and fluorine

will be analyzed as exempt compounds for compliance with subdivision (d), only when manufacturers specify which individual

compounds are used in the solvent formulations. In addition, the manufacturers must identify the U.S. EPA, CARB, and SCAQMD approved test methods, which can be used to quantify the amount of each exempt compound.

(2) Equivalent Test Methods

Other test methods determined to be equivalent upon approval in writing by the Executive Officer, CARB, and the U.S. EPA may also be used.

(3) Multiple Test Methods

When more than one test method or set of test methods are specified for any testing, a violation of any requirement of this rule established by any one of the specified test methods or set of test methods shall constitute a violation of the rule.

(4) All test methods referenced in this subdivision shall be the version most recently approved by the appropriate governmental entities.

(j) Exemptions

(1) The provisions of this rule shall not apply to:

- (A) Solvents sold in this District for shipment outside of this District or for shipment to other manufacturers for repackaging.
- (B) Solvents offered for sale and use for the clean-up of application equipment provided that they are labeled and designated for polyaspartic and polyurea coatings.
- (C) Thinners offered for sale and use provided that they are labeled and designated for the thinning of Industrial Maintenance (IM) coatings, Zinc-Rich IM Primers, and High Temperature IM Coatings. This exemption does not apply to clean-up operations.
- (D) Laboratory reagents used in analytical, educational, research, scientific or other laboratories