

AIR QUALITY

MANAGEMENT DISTRICT

www.airquality.org

THESE SUGGESTED FORMS MAY BE USED TO COMPLY WITH THE RECORDKEEPING REQUIREMENTS OF RULE 459

(Automotive, Mobile Equipment, and Associated Parts and Components Coating
Operations)

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|-----------------|--|
| ➤ Rule 459Def | Rule 459 Definitions |
| ➤ Form 459A | List of Currently Used Materials |
| ➤ Form 459B | Monthly Usage and Emissions Record |
| ➤ Form 459B Sup | Quarterly & Annual Emissions Summary |
| ➤ Form 459C | Monthly usage record of tertiary butyl acetate |

YOU MAY REPRODUCE THESE FORMS AS NEEDED.

**AUTOMOTIVE, MOBILE EQUIPMENT, AND ASSOCIATED PARTS AND COMPONENTS
COATING OPERATIONS**

MATERIAL TYPE	DEFINITION
Adhesion Promoter	For automotive coating facilities subject to the requirements of Section 302, any coating which is labeled and formulated to be applied to uncoated plastic surfaces to facilitate bonding of subsequent coatings, and on which, a subsequent coating is applied.
Cavity Wax	A material or coating applied into cavities of the vehicle primarily for the purpose of enhancing corrosion protection.
Clear Coating	Any coating that contains no pigments and is labeled and formulated for application over a color coating or clear coating.
Cleaning Operation	The removal of loosely held uncured adhesives, inks, coatings, or contaminants, including, but not limited to, dirt, soil, or grease, from motor vehicles, mobile equipment, associated parts and components, substrates, parts, products, tools, machinery, equipment (including application equipment) or general work areas.
Coating Remover (Stripper)	A material applied to the surface to completely remove maskants, coatings or coating residues. A coating remover (stripper) is not a solvent. Material used for the removal of overspray or to clean application equipment is considered a solvent, not a coating remover.
Color Coating	Any pigmented coating, excluding adhesion promoters, primers, and multi-color coatings, that requires a subsequent clear coating and which is applied over a primer, adhesion promoter, or color coating. Color coatings include metallic/iridescent color coatings.
Deadener	A material or coating applied to selected vehicle surfaces primarily for the purpose of reducing the sound of road noise in the passenger compartment.
Gasket/ Gasket Sealing Material	Any fluid applied to coat a gasket or replace and perform the same function as a gasket including room temperature vulcanization seal material.
Lubricating Wax/ Compound	Any protective lubricating material applied to vehicle hubs and hinges.
Metallic/Iridescent	Any coating which contains more than 5.0 g/l (0.042 lb/gal) of metal or iridescent particles, as applied, where such particles are visible in the dried film.
Multi-color Coating	Any coating that exhibits more than one color in the dried film after a single application, is packaged in a single container, and hides surface defects on areas of heavy use, and which is applied over a primer or adhesion promoter.
Pretreatment Coating	Any coating which contains a minimum of 0.5 percent acid by weight and not more than 16 percent solids by weight necessary to provide surface etching and is labeled and formulated for application directly to bare metal surfaces to provide corrosion resistance and adhesion.
Primer	Any coating which is labeled and formulated for application to a substrate to provide: a bond between the substrate and subsequent coats; corrosion resistance; a smooth substrate surface; or resistance to penetration of subsequent coats, and on which a subsequent coating is applied. Primers may be pigmented.
Primer Sealer	Any coating which is labeled and formulated for application prior to the application of a color coating for the purpose of color uniformity, or to promote the ability of the underlying coating to resist penetration by the color coating.
Single Stage Coating	Any pigmented coating, excluding primers, primer sealers, and multi-color coatings, labeled and formulated for application without a subsequent clear coat. Single-stage coatings include single-stage metallic/iridescent coatings.
Temporary Protective Coating	Any coating formulated and effective February 25, 2012, labeled for the purpose of temporarily protecting areas from overspray or mechanical damage.
Truck Bed Liner Coating	Any coating, excluding clear, color, multi-color and single stage coatings, labeled and formulated for application to a truck bed to protect it from surface abrasion.
Underbody Coating	Any coating labeled and formulated for application to wheel wells, the inside of door panels or fenders, the underside of a trunk or hood, or the underside of the motor vehicle.
Uniform Finish Coating	Any coating formulated and effective February 25, 2012, labeled for application to the area around a spot repair for the purpose of blending a repaired area's color or clear coat to match the appearance of an adjacent area's existing coating.

SACRAMENTO METROPOLITAN AIR QUALITY MANAGEMENT DISTRICT

RULE 459 – AUTOMOTIVE, MOBILE EQUIPMENT, AND ASSOCIATED PARTS AND COMPONENTS COATING OPERATIONS

LIST OF CURRENTLY USED MATERIALS

P/O # _____

RULE 459 COATING CATEGORY PER SECTIONS 301, 302, 309, & 310 <i>Refer to definitions at the back</i>	MATERIAL TYPE (INDICATE MANUFACTURER, PRODUCT NAME & PRODUCT CODE)			MIXING RATIO AS APPLIED [A]	APPLICATION METHOD	VOC CONTENT, REGULATORY EXCLUDING WATER AND EXEMPT COMPOUNDS g/l (lb/gal) [B]	VOC CONTENT, ACTUAL INCLUDING WATER AND EXEMPT COMPOUNDS g/l (lb/gal) [C]
	MATERIAL	ADDITIVE	SOLVENT				
1.							
2.							
3.							
4.							
5.							
6.							
7.							
8.							

[A] Mixing ratio of coating, reducer, retarder, catalyst, hardener, additive, etc. as applied.

[B] Used to demonstrate compliance with the VOC limits in Rule 459, Section 301 and 302.

[C] Used to demonstrate compliance with the VOC limits in Rule 459, Section 309 and 310 and to calculate ROC emissions. Alternatively, Regulatory Coating VOC may be used to calculate ROC emissions, but this calculation overestimates the actual emissions.

For assistance with this form, please call the SMAQMD's Compliance Assistance Hotline at 279-207-1122 ext 99

SACRAMENTO METROPOLITAN AIR QUALITY MANAGEMENT DISTRICT
RULE 459 – AUTOMOTIVE, MOBILE EQUIPMENT, AND ASSOCIATED PARTS AND
COMPONENTS COATING OPERATIONS
MONTHLY USAGE AND EMISSIONS RECORD OF MATERIALS COMPLYING
WITH THE VOC CONTENT LIMITS IN SECTIONS 301, 309.3, 309.4, & 310

MONTH _____ 20 _____

P/O # _____

RULE 459 COATING CATEGORY (SECTIONS 301, 309 & 310) <i>Refer to definitions</i>	TOTAL APPLIED VOLUME gal/month [A]	VOC CONTENT ACTUAL INCLUDING WATER & EXEMPT COMPOUNDS lb/gal [B]	MONTHLY ROC EMISSIONS lb/month [C]
SECTION 301			
ADHESION PROMOTER			
CLEAR COATING			
COLOR COATING			
MULTI-COLOR COATING			
PRETREATMENT COATING			
PRIMER/ PRIMER SEALER			
SINGLE-STAGE COATING			
TEMPORARY PROTECTIVE COATING			
TRUCK BED LINER COATING			
UNDERBODY COATING			
UNIFORM FINISH COATING			
ANY OTHER COATING TYPE, EXCLUDING MATERIALS LISTED IN SECTION 303			
SECTION 309.3			
SOLVENT CLEANING OPERATIONS			
SECTION 309.4			
CLEANUP SOLVENT FOR BUG & TAR REMOVAL			
SECTION 310			
COATING REMOVER (STRIPPER)			
ROC EMISSIONS, lb/month			

[A] Volume after mixing to include the coating, reducer, retarder, catalyst, hardener, additive, etc.

[B] Also known as Actual VOC. Used to calculate ROC emissions.

[C] ROC Monthly Emissions = [A] x [B]. These are the total emissions from all types of coatings and solvents used.

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**SACRAMENTO METROPOLITAN AIR QUALITY MANAGEMENT DISTRICT
 RULE 459 – AUTOMOTIVE, MOBILE EQUIPMENT, AND ASSOCIATED PARTS AND
 COMPONENTS COATING OPERATIONS
 QUARTERLY & ANNUAL EMISSIONS SUMMARY**

YEAR _____

P/O # _____

FIRST QUARTER	
MONTH	MONTHLY EMISSIONS [A] (May be obtained from FORM 459B)
January	
February	
March	
TOTAL QUARTERLY ROC EMISSIONS, LB/QUARTER	

SECOND QUARTER	
MONTH	MONTHLY EMISSIONS [A] (May be obtained from FORM 459B)
April	
May	
June	
TOTAL QUARTERLY ROC EMISSIONS, LB/QUARTER	

THIRD QUARTER	
MONTH	MONTHLY EMISSIONS [A] (May be obtained from FORM 459B)
July	
August	
September	
TOTAL QUARTERLY ROC EMISSIONS, LB/QUARTER	

FOURTH QUARTER	
MONTH	MONTHLY EMISSIONS [A] (May be obtained from FORM 459B)
October	
November	
December	
TOTAL QUARTERLY ROC EMISSIONS, LB/QUARTER	
TOTAL ANNUAL ROC EMISSIONS, LB/YEAR	

[A] Monthly ROC emissions are the total emissions from all types of coatings and solvents used.

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SACRAMENTO METROPOLITAN AIR QUALITY MANAGEMENT DISTRICT
RULE 459 – AUTOMOTIVE, MOBILE EQUIPMENT, AND ASSOCIATED PARTS AND
COMPONENTS COATING OPERATIONS
MONTHLY PURCHASE RECORD OF MATERIALS

MONTH _____ 20 _____

P/O # _____

RULE 459 COATING CATEGORY (SECTIONS 301, 309 & 310) <i>Refer to definitions</i>	TOTAL PURCHASED VOLUME gal/month
SECTION 301	
ADHESION PROMOTER	
CLEAR COATING	
COLOR COATING	
MULTI-COLOR COATING	
PRETREATMENT COATING	
PRIMER/ PRIMER SEALER	
SINGLE-STAGE COATING	
TEMPORARY PROTECTIVE COATING	
TRUCK BED LINER COATING	
UNDERBODY COATING	
UNIFORM FINISH COATING	
ANY OTHER COATING TYPE, EXCLUDING MATERIALS LISTED IN SECTION 303	
SECTION 309.3	
SOLVENT CLEANING OPERATIONS	
SECTION 309.4	
CLEANUP SOLVENT FOR BUG & TAR REMOVAL	
SECTION 310	
COATING REMOVER (STRIPPER)	

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