

326 IAC 8-2-2 Automobile and light duty truck coating operations

Authority: IC 13-14-8; IC 13-17-3-4; IC 13-17-3-11

Affected: IC 13-12-3-1; IC 13-14-8-3; IC 13-14-8-7; IC 13-17-1-1

Sec. 2. (a) This section establishes emission limitations for automobile and light duty truck surface coating operations, which include all passenger car or passenger car derivatives capable of seating twelve (12) or fewer passengers and any motor vehicle rated at three thousand eight hundred sixty-four (3,864) kilograms (eight thousand five hundred (8,500) pounds) gross weight or less that are designed primarily for the purpose of transportation or are derivatives of such vehicles.

(b) No owner or operator of an automotive or light duty truck assembly plant subject to this section may cause, allow, or permit the discharge into the atmosphere of any VOC from the application, flash-off, and curing of prime and topcoat coatings on automobile and light duty truck bodies, hoods, fenders, cargo boxes, doors, and grill opening panels to exceed the following:

(1) Twenty-three hundredths (0.23) kilogram per liter of coating (one and nine-tenths (1.9) pounds per gallon), excluding water, delivered to the applicator from prime application, flash-off area, and oven operations.

(2) Thirty-four hundredths (0.34) kilogram per liter of coating (two and eight-tenths (2.8) pounds per gallon) excluding water, delivered to the applicator from topcoat application, flash-off area, and oven operations.

(3) Fifty-eight hundredths (0.58) kilogram per liter of coating (four and eight-tenths (4.8) pounds per gallon) excluding water, delivered to the applicator from final repair application, flash-off area, and oven operations.

(c) On and after April 1, 2011, the owner or operator of an automotive or light duty truck assembly plant in which the total actual VOC emissions from all automobile and light duty truck assembly coating operations, including related cleaning activities, are equal to or exceed fifteen (15) pounds per day, before add-on controls, located in Lake County or Porter County, shall comply with the following:

(1) VOC limitations for metal automotive or light duty truck assembly coating operations are as follows:

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Assembly Coating Process	VOC Emission Limit
Electrodeposition primer (EDP) operations (including application area, spray/rinse stations, and curing oven)	VOC limit specified in 40 CFR 60.392(a)*
Primer-surfacer operations (including application area, flash-off area, and oven)	1.44 kilograms per liter of deposited solids (12.0 pounds per gallon) on a daily weighted average basis
Topcoat operations (including application area, flash-off area, and oven)	1.44 kilograms per liter of deposited solids (12.0 pounds per gallon) on a daily weighted average basis
Final repair operations	0.58 kilograms per liter of coating (4.8 pounds per gallon) excluding water and exempt solvents on a daily weighted average basis or as an occurrence weighted average
Combined primer-surfacer and topcoat operations	1.44 kilograms per liter of deposited solids (12.0 pounds per gallon) on a daily weighted average basis

(2) VOC limitations for metal automotive or light duty truck assembly coating materials are as follows:

Material**	VOC Emission Limit (kilograms of VOC per liter excluding water and exempt compounds, as applied)
Automobile and light duty truck glass bonding primer	0.90 kg VOC/liter
Automobile and light duty truck adhesive	0.25 kg VOC/liter
Automobile and light duty truck cavity wax	0.65 kg VOC/liter
Automobile and light duty truck sealer	0.65 kg VOC/liter
Automobile and light duty truck deadener	0.65 kg VOC/liter
Automobile and light duty truck gasket/gasket sealing material	0.20 kg VOC/liter
Automobile and light duty truck underbody coating	0.65 kg VOC/liter
Automobile and light duty truck interior coating	0.65 kg VOC/liter
Automobile and light duty truck bed liner	0.20 kg VOC/liter
Automobile and light duty truck weatherstrip adhesive	0.75 kg VOC/liter
Automobile and light duty truck lubricating wax/compound	0.70 kg VOC/liter

** VOC limits do not apply to materials supplied in containers with a net volume of 16 ounces or less, or a net weight of one pound or less.

(3) Work practices shall be used for storage, mixing, and handling operations for VOC coatings, thinners, and coating-related waste materials. Work practices shall include, but not be limited to, the following:

- (A) Store all VOC coatings, thinners, and coating-related materials in closed containers.
- (B) Ensure that mixing and storage containers used for VOC coatings, thinners, and coating-related materials are kept closed at all times except when depositing or removing these materials.
- (C) Minimize spills of VOC coatings, thinners, and coating-related materials.
- (D) Convey VOC coatings, thinners, and coating-related materials from one (1) location to another in closed containers or pipes.
- (E) Minimize VOC emissions from cleaning of storage, mixing, and conveying equipment.

(4) Each facility shall develop and implement a work practice plan to minimize VOC emissions from cleaning and from purging of equipment associated with all coating operations for which emission limits are specified in this subsection. The plan shall specify practices and procedures to ensure that VOC emissions from the following operations are minimized:

- (A) Vehicle body wiping.
- (B) Coating line purging.
- (C) Flushing of coating systems.
- (D) Cleaning of spray booth grates.
- (E) Cleaning of spray booth walls.
- (F) Cleaning of spray booth equipment.
- (G) Cleaning external spray booth areas.
- (H) Other housekeeping measures.

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If a facility has a work practice plan in place as specified in 40 CFR 63, Subpart III*, a facility must add procedures for minimizing nonhazardous air pollutant VOC emissions.

*This document is incorporated by reference. Copies may be obtained from the Government Printing Office, 732 North Capitol Street NW, Washington, D.C. 20401 or are available for review and copying at the Indiana Department of Environmental Management, Office of Air Quality, Indiana Government Center North, Tenth Floor, 100 North Senate Avenue, Indianapolis, Indiana 46204. (*Air Pollution Control Board; 326 IAC 8-2-2; filed Mar 10, 1988, 1:20 p.m.: 11 IR 2533; readopted filed Jan 10, 2001, 3:20 p.m.: 24 IR 1477; filed Nov 3, 2009, 3:29 p.m.: 20091202-IR-326090220FRA; errata filed Nov 18, 2009, 3:43 p.m.: 20091216-IR-326090220ACA*)