



FACT SHEET

R307-352 Metal Container, Closure & Coil Coatings

Overview

The Utah Division of Air Quality, R307-352, was adopted as part of a package of rules designed to help minimize pollution along the Wasatch Front. The rule applies to metal container, closure, and coil coating in Box Elder, Cache, Davis, Salt Lake, Tooele, Utah and Weber counties. The rule is designed to limit volatile organic compound (VOC) emissions. The rule applies to operations that have the potential to emit 2.7 tons per year or more of VOC, including related cleaning activities.

Requirements

You have the option of either limiting the amount of VOC coatings applied or limiting VOCs by using add on control systems. Work practices to be followed are also outlined.

VOC Content Limits

(values in pounds VOC per gallon of coating, minus water and exempt solvents)

Coating Category	VOC Limits
Cans	
Sheet Basecoat (Interior & Exterior) and Overvarnish	1.9
Two Piece Can Exterior Basecoat, Overvarnish and End Coating	2.1
Interior Body Spray	
Two Piece Cans	3.5
Three Piece Cans	3.0
Three Piece Can Side Seam Spray	5.5
End Sealing Compound: Food Cans, Non Food Cans and Beverage Cans	0.1
Exterior Body Spray	3.5
Pails and Lids	
Body Spray	
Reconditioned Interior	4.2
Reconditioned Exterior	3.5
New Interior	3.5
New Exterior	2.8
End Sealing Compound	0.5
Inks, All Applications	2.5
Coil, Coil Coating	1.7

Utah Division of Air Quality

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General Air Quality information, regulations, and contact information:
<http://www.airquality.utah.gov>

This fact sheet provides general information concerning the Metal Container, Closure & Coil Coatings rule. See <http://www.rules.utah.gov/publicat/cod e/r307/r307-352.htm> for the entire rule.

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Add-On Controls Systems

An incinerator, carbon adsorption, or any other add-on emission control system operated and maintained:

- In accordance with the manufacturer recommendations to achieve and maintain at least 90% capture and control efficiency.
- Provide documentation that the emission control system will attain to the requirements of the rule.
- Records of key system parameters are maintained, including;
 - Temperature, pressure and flow rates.
- Operator inspection schedule, monitoring and recordkeeping shall be in accordance with the manufacturer's recommendations, and as required to demonstrate operations are providing continuous emission reduction from the source during all periods that the operations cause emissions from the source.

Work Practices to be Followed

Control techniques including:

- Store all VOC-containing coatings, thinners, and cleaning materials in closed containers;
- Minimize spills;
- Clean up immediately;
- Convey any coatings, thinners, and cleaning materials in closed containers or pipes;
- Close mixing vessels and other materials except when specifically in use; and
- Minimize usage of solvents during cleaning of storage, mixing, and conveying equipment.

Coating application method:

- Achieve a minimum of 65% transfer efficiency and operate in accordance with the manufacturers specifications.
- The following applications achieve this requirement:
 - Electrostatic application;
 - Flow coat;
 - Roll coat;
 - Dip coat;
 - Continuous coating;
 - High-volume, low-pressure (HVLP) spray;
 - Hand methods;
 - Printing techniques;
 - Other methods may be used if the transfer efficiency is met.

Solvent cleaning operations:

- Cleaning material with VOC content of 0.21 pounds per gallon or less.
- Excluding compounds not classified as VOC.

Record Keeping

Maintain records, for a minimum of two years, demonstrating compliance.

