UTAH DEPARTMENT of ENVIRONMENTAL QUALITY

FACT SHEET

R307-352 Metal Container, Closure & Coil Coatings

Overview

The Utah Division of Air Quality Rule R307-352, was adopted as part of a package of rules designed to help minimize pollution. The rule is designed to limit volatile organic compound (VOC) emissions and applies to metal container, closure, and coil coating operations that use a combined 20 gallons or more of coating products and associated solvents per year and are located in Box Elder, Cache, Davis, Salt Lake, Tooele, Utah and Weber counties.

Requirements

You have the option of either limiting the amount of VOC coatings applied or limiting VOCs by using add on control systems. (See entire rule for all circumstances.)

VOC Content Limits

Operations that use aerosol coating products are exempt.

Metal Container and Closure Coil Coatings

(values in pounds VOC per gallon of coating, minus water and exempt solvents (compounds not classified as VOC as defined in R307-101-2), as applied)

Coating Category	VOC Limits (lb/gal)
Cans	
Sheet Basecoat (Interior & Exterior) and Over varnish	1.9
Two Piece Can Exterior Basecoat, Over varnish 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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Contact
(801) 536-4000

General Air Quality information, regulations, and contact information:
https://deq.utah.gov/division-air-quality

This fact sheet provides general information concerning the Metal Container, Closure & Coil Coatings rule. See:
https://adminrules.utah.gov/public/home
for the entire rule.

DEQ Social Media

Blog
dequtah.blogspot.com

Facebook
facebook.com/udeq

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twitter.com/UtahDEQ

Add-On Controls Systems

If an add-on control system is used, the owner or operator shall install and maintain the add-on emission control system in accordance with the manufacturer recommendations and maintain 90% or greater capture and control efficiency. The overall capture and control efficiency shall be determined using EPA approved methods or an alternative test method may be substituted for the preceding test methods after review and approval by the EPA Administrator.

Work Practices

The owner and operator shall:

- Store all VOC-containing

coatings, thinners, and cleaning materials in closed containers;
- Minimize spills of VOC-containing coatings, thinners, and cleaning materials;
- Clean up spills 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 must 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;
  - High-volume, low-pressure (HVLP) spray;
  - Hand methods;
  - Printing techniques;
  - Other methods may be used if the transfer efficiency is met.

Solvent cleaning operations shall be performed using cleaning materials having a VOC composite vapor pressure no greater than 1 mm Hg at 20 degrees Celsius, unless an add-on control device is used.

Record Keeping

Maintain records, for a minimum of two years, of inventory and product data sheets of all coatings and solvents applied. If an add-on control device is used, and the physical characteristics that demonstrate compliance with R307-352. Records shall be made available to the director upon request.