

FACT SHEET

R307-345 Fabric and Vinyl Coatings

Overview

The Utah Division of Air Quality Rule R307-345, was adopted as part of a package of rules designed to help minimize pollution. The rule applies to fabric and vinyl coating operations located in Box Elder, Cache, Davis, Salt Lake, Utah, Tooele, and Weber counties. Effective September 1, 2018 this rule shall apply to fabric and vinyl coating operations that use a combined 20 gallons or more of coating products and associated solvents per year.

Requirements

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

VOC Content Limits

Fabric and Vinyl Coating Limitations

Values in pounds VOC per gallon of coating, minus water and exempt solvents (compounds not classified as VOC), as applied

Coating Category	VOC Content Limit
Fabric	2.2
Vinyl	2.2

Organosol and plastisol coatings cannot be used to bubble emissions from vinyl printing and top coating.

Add-On Control 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.

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/Divisions/daq/index.htm>

This fact sheet provides general information concerning the General Burning rule. See:
<https://rules.utah.gov/publicat/code/r307/r307-345.htm> for the entire rule.

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Work Practices

Control techniques and work practices are to be implemented at all times to reduce VOC emissions.

Control techniques and work practices include:

- Covered containers for solvent wiping cloths;
- Collection hoods for areas where solvent is used for cleanup;
- Covered mixing tanks; and
- Covered hoods and oven routed to add-on control devices, which may include, but are not limited to, after burners, thermal incinerators, catalytic oxidation, or carbon adsorption.

Coating application methods must achieve a demonstrated 65% transfer efficiency and operate in accordance with the manufacturers specifications:

- Foam coat;
- Flow coat;
- Roll coat;
- Dip coat;
- Die coat;
- High-volume, low-pressure (HVLP) spray;
- Hand application methods; or
- 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 R307-345. Records shall be made available to the director upon request.