UTAH DEPARTMENT of ENVIRONMENTAL QUALITY

FACT SHEET

R307-345 Fabric and Vinyl Coatings

Overview

The Utah Division of Air Quality, R307-345, was adopted as part of a package of rules designed to help minimize pollution along the Wasatch Front. The rule applies to fabric and vinyl coating operations in Box Elder, Cache, Davis, Salt Lake, Utah, Tooele, and Weber counties.

The purpose is to limit emissions from operations, which use roll, knife, or rotogravure coaters and drying ovens with the potential to emit 2.7 tons per year or more of volatile organic compounds (VOC).

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.

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.

Utah Division of Air Quality

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Contact
(801) 536-4000

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

This fact sheet provides general information concerning the Fabric and Vinyl Coatings rule. For the entire rule see
http://www.rules.utah.gov/publicat/code/r307/r307-345.htm

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dequtah.blogspot.com

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Add-On Control 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:
    - Tight fitting covers for open tanks or drums;
    - 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:
    - Achieve a demonstrated 65% transfer efficiency and operate in accordance with the manufacturers specifications:
        - The following applications achieve a minimum of 65% transfer efficiency:
            - 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:
    - 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.