



## FACT SHEET

### R307-346 Metal Furniture Surface Coatings

#### Overview

The Utah Division of Air Quality Rule R307-346, was adopted as part of a package of rules designed to help minimize pollution. The rule applies to metal furniture surface coating operations in application areas, flash-off areas, and ovens of metal furniture coating lines involved in prime and top-coat or single coat 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

##### Metal Furniture Surface Coating Limitations

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

| Coating Category         | VOC Content Limits |           |
|--------------------------|--------------------|-----------|
|                          | Baked              | Air Dried |
| General, One Component   | 2.3                | 2.3       |
| General, Multi Component | 2.3                | 2.8       |
| Extreme High Glass       | 3.0                | 2.8       |
| Extreme Performance      | 3.0                | 3.5       |
| Heat Resistant           | 3.0                | 3.5       |
| Metallic                 | 3.5                | 3.5       |
| Pretreatment Coatings    | 3.5                | 3.5       |
| Solar Absorbent          | 3.0                | 3.5       |

#### Exemptions

The requirements of R307-346 **do not apply** to the following:

- Stencil coatings;
- Safety-indicating coatings;
- Solid-film lubricants;

#### 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 Furniture Surface Coatings rule. See: <https://adminrules.utah.gov/public/home> for the entire rule.

#### DEQ Social Media

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[dequtah.blogspot.com](http://dequtah.blogspot.com)

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- Electrical-insulating and thermal-conducting coatings;
- Touch-up and repair coatings; or
- Coating applications utilizing hand-held aerosol cans.

### **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**

Owner or operator shall:

- 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.

Use a coating application method that will achieve a minimum of 65% transfer efficiency and operate in accordance with the manufacturers specifications.

- The following applications achieve this requirement:
  - Electrostatic application;
  - Electrodeposition;
  - Brush coat;
  - Flow coat;
  - Roll coat;
  - Dip coat;
  - Continuous coating;
  - High-volume, low-pressure (HVLP) spray.
  - Other methods may be used if the 65% 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 R307-346. Records shall be made available to the director upon request.