



## ***FACT SHEET***

### **R307-350 Miscellaneous Metal Parts and Products Coatings**

#### **Overview**

The Utah Division of Air Quality Rule R307-350, 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, but is not limited to large and small farm machinery, small appliance, commercial and industrial machinery and fabricated metal products located in Box Elder, Cache, Davis, Salt Lake, Tooele, Utah and Weber counties. Effective September 1, 2018, R307-350 shall apply to miscellaneous metal parts and products 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 add on control systems. (See entire rule for all circumstances.)

#### **Exemptions**

See <http://rules.utah.gov/publicat/code/r307/r307-350.htm> for all exemptions.

#### **Work Practices**

Control techniques including:

- Store all VOC-containing coatings, thinners, and coating related materials in closed containers;
- Ensuring that mixing and storage containers used for VOC-containing coatings, thinners, and coating-related waste material are kept closed at all times except when depositing or removing these materials, unless a container has activated carbon or other control method;
- Minimizing spills of VOC-containing coatings, thinners, and coating-related waste materials;
- Conveying VOC-containing coatings, thinners, and coating-related waste materials from one location to another in closed containers, containers with activated carbon or other control method
- Minimize usage of solvents during cleaning of storage, mixing, and conveying equipment.

Application method:

- Operated in accordance with the manufacturers specifications.

The following applications achieve this requirement:

- Electrostatic application; Flow coat; Dip/electrodeposition coat; Hand application methods; Roll coat; High-volume, low-pressure (HVLV) spray; or application method capable of achieving 65% or greater transfer efficiency.

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 Miscellaneous Metal Parts and Products Coatings rule. See <http://rules.utah.gov/publicat/code/r307/r307-350.htm> for the entire rule.

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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. Cleaning material with VOC content of 0.21 pounds per gallon or less.

## VOC Content Limits

### Miscellaneous Metal Parts and Products Coatings

Values in pounds of VOC per gallon of coating, minus water and exempt solvents, as applied.

| Coating Category                            | VOC Content Limits |       |
|---|--------------------|-------|
|   | Air Dried          | Baked |
| General One Component                       | 2.8                | 2.3   |
| General Multi Component                     | 2.8                | 2.3   |
| Camouflage                                  | 3.5                | 3.5   |
| Electric-Insulating Varnish                 | 3.5                | 3.5   |
| Etching Filler                              | 3.5                | 3.5   |
| Extreme High-Gloss                          | 3.5                | 3.0   |
| Extreme Performance                         | 3.5                | 3.0   |
| Heat-Resistant                              | 3.5                | 3.0   |
| High Performance Architectural              | 6.2                | 6.2   |
| High Temperature                            | 3.5                | 3.5   |
| Metallic                                    | 3.5                | 3.5   |
| Military Specification                      | 2.8                | 2.3   |
| Mold-Seal                                   | 3.5                | 3.5   |
| Pan Backing                                 | 3.5                | 3.5   |
| Prefabricated Architectural Multi-Component | 3.5                | 2.3   |
| Prefabricated Architectural One-Component   | 3.5                | 2.3   |
| Pretreatment Coatings                       | 3.5                | 3.5   |
| Repair and Touch Up                         | 3.5                | 3.0   |
| Silicone Release                            | 3.5                | 3.5   |
| Solar-Absorbent                             | 3.5                | 3.0   |
| Vacuum-Metalizing                           | 3.5                | 3.5   |
| Drum Coating, New, Exterior                 | 2.8                | 2.8   |
| Drum Coating, New, Interior                 | 3.5                | 3.5   |
| Drum Coating, Reconditioned, Exterior       | 3.5                | 3.5   |
| Drum Coating, Reconditioned, Interior       | 4.2                | 4.2   |

If there is more than one content limit, the most stringent applies.

## 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.

## 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 R307-350. Records shall be made available to the director upon request.

