

**INDUSTRIAL CLEANING SOLVENTS**

**SUMMARY:** This Rule establishes limits for the use of Industrial Cleaning Solvents and establishes requirements for their handling and equipment maintenance.

- 1. Applicability Criteria for the Use of Industrial Cleaning Solvents.** Except as provided in Section 3, the owner or operator of a source that uses Industrial Cleaning Solvents in Cleaning Activities and creates actual emissions, before controls, of 3 tons or more of volatile organic compounds (VOC) from the Cleaning Activities during any calendar year shall comply with the record keeping provisions of Section 5 of this Rule within 120 days of its effective date and comply with any applicable section of this Rule by the end of the first full calendar year.
  
- 2. Definitions**
  - A. Cleaning Activities.** "Cleaning Activities" means the use of solvents to remove contaminants including, but not limited to, adhesives, inks, paint, dirt, soil, oil, and grease from parts, products, tools, machinery, equipment, vessels, and work production related areas for a variety of reasons, including safety, operability, and to avoid product contamination; this includes activities such as wiping, flushing, or spraying. Examples of such activities may include, but are not limited to, the cleaning of spray booths, spray guns, and printing presses.
  
  - B. Industrial Cleaning Solvents.** "Industrial Cleaning Solvents" means products containing VOCs when used for Cleaning Activities applied to items and surfaces used in manufacturing, processing, mining, and refining or other manufacturing activities.
  
- 3. Exemptions.** The use of Industrial Cleaning Solvents for the following activities shall be exempt from this Rule; however, the recordkeeping requirements in Section 5(C) and (D) shall apply to such activities:
  - A.** Any cleaning activity associated with a category listed below:
    - (1) Paper, fabric, film, and foil coating operations subject to *Control of Volatile Organic Compounds from Paper, Film, and Foil Coating Operations*, 06-096 C.M.R. Ch. 123;
    - (2) Metal furniture coating operations subject to *Surface Coating Facilities*, 06-096 C.M.R. Ch. 129;
    - (3) Wood furniture coating operations subject to *Surface Coating Facilities*, 06-096 C.M.R. Ch. 129;

- (4) Flexible packaging printing operations subject to *Control of Volatile Organic Compounds from Flexible Package Printing*, 06-096 C.M.R. Ch. 154;
  - (5) Lithographic printing subject to *Graphic Arts – Offset Lithography and Letterpress Printing*, 06-096 C.M.R. Ch. 161;
  - (6) Letterpress printing subject to *Graphic Arts – Offset Lithography and Letterpress Printing*, 06-096 C.M.R. Ch. 161;
  - (7) Flat wood paneling and flat wood stock coating operations subject to *Surface Coating Facilities*, 06-096 C.M.R. Ch. 129;
  - (8) Miscellaneous metal parts and products coating operations subject to *Surface Coating Facilities*, 06-096 C.M.R. Ch. 129;
  - (9) Plastic parts and products coating operations subject to *Surface Coating Facilities*, 06-096 C.M.R. Ch. 129;
  - (10) Fiberglass boat manufacturing subject to *Control for Fiberglass Boat Manufacturing Materials*, 06-096 C.M.R. Ch. 162; or
  - (11) Adhesives, sealants, adhesive primers, and sealant primers subject to *Control of Volatile Organic Compounds from Adhesives and Sealants*, 06-096 C.M.R. Ch. 159.
- B.** Solvent cleaning activities subject to *Solvent Cleaners*, 06-096 C.M.R.Ch. 130, and activities exempted from 06-096 C.M.R. Ch. 130 pursuant to Section (1)(B) of that Chapter;
  - C.** Any aerospace manufacturing and rework facility, if the Industrial Cleaning Solvent is used in accordance with the requirements of 40 C.F.R. § 63.744 as amended up to July 1, 2017, inclusive of exemptions;
  - D.** A cleaning activity, including surface preparation prior to coating, necessary to meet a standard or specification issued or approved by the United States Department of Defense, Federal Aviation Administration, or other federal government entity;
  - E.** Quality control or laboratory testing;
  - F.** Research and development;
  - G.** Medical device manufacturing;
  - H.** Pharmaceutical manufacturing;
  - I.** Any cleaning activity that uses 55 gallons or less of an industrial cleaning solvent in any calendar year;
  - J.** Janitorial activities;

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**Note:** “Janitorial activities” may include, but are not limited to, cleaning offices, bathrooms, or other similar areas, including the cleaning of air conditioning units, tubes, and coils.

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- K. Cleaning of screen printing equipment, if the cleaning solvent used has an as-applied VOC content that does not exceed 500 grams VOC per liter, equivalent to 4.2 lb/gal;
- L. Cleaning of electrical and electronic components;
- M. Cleaning of high-precision optics;
- N. Cleaning of equipment which comes into contact, in both their manufacturing and their end uses, with resins, coatings, inks, and adhesives, such as mixing, molding, and application equipment;
- O. Use of cleaning solvents in activities subject to a reasonable available control technologies (RACT) determination by the Department pursuant to *Reasonably Available Control Technology for Facilities That Emit Volatile Organic Compounds*, 06-096 C.M.R. Ch. 134, or in activities exempted from 06-096 C.M.R. Ch. 134 pursuant to Section 1(C) of that Chapter;
- P. Stripping of cured coatings, ink, or adhesives;
- Q. Cleaning operations in printing pre-press areas, including the cleaning of film processors, film cleaning, and plate cleaning;
- R. Cleaning of plastic-based or vinyl-based substrates for use in the screen printing process when using ultraviolet (UV) curable ink and coatings systems; and
- S. Use of Industrial Cleaning Solvents in activities subject to maximum available control technologies (MACT) under 40 C.F.R. Part 63 as amended up to July 1, 2017.

#### **4. Compliance Standards for the Use of Industrial Cleaning Solvents**

- A. The owner or operator of a source subject to this Section shall limit VOC emissions from the use, handling, storage, and disposal of Industrial Cleaning Solvents and shop towels by implementing the following work practices:
  - (1) Covering open containers of Industrial Cleaning Solvents and used applicators;
  - (2) To the greatest extent practicable and in consideration of best practices for maintaining safe work environments, minimizing air circulation around cleaning operations;
  - (3) Properly disposing of used solvents and shop towels; and
  - (4) Maintaining cleaning equipment to prevent and repair solvent leaks.
- B. The owner or operator of a source subject to this Section shall limit VOC emissions by utilizing one or more of the following methods for each applicable Cleaning Activity:

- (1) Using Industrial Cleaning Solvents with a maximum VOC content limit of 50 grams VOC per liter, equivalent to 0.42 lb/gal;
  - (2) Using Industrial Cleaning Solvents with a composite vapor pressure of 8.0 millimeters or less of mercury (mm Hg), measured at 20 °C (68 °F); or
  - (3) Using an emission control system with an overall control efficiency of at least 85 percent.
- C. Upon request by the purchaser or the Department, a person who sells or offers for sale any industrial cleaning solvent containing VOCs shall provide to the purchaser the following written information:
- (1) The name and address of the solvent supplier;
  - (2) The type of solvent including the product or vendor identification number;
  - (3) The vapor pressure of the solvent measured in mm Hg at 20° C (68° F); and
  - (4) Percent VOC content by weight.

## **5. Recordkeeping**

- A. An owner or operator conducting Cleaning Activities subject to compliance standards of this Chapter shall maintain monthly purchase or use records of all Industrial Cleaning Solvents, including the following information:
- (1) Name and description of each Industrial Cleaning Solvent;
  - (2) VOC content and/or vapor pressure of each Industrial Cleaning Solvent either as supplied or as applied;
  - (3) Amount of each Industrial Cleaning Solvent purchased or used;
  - (4) Safety Data Sheets for each Industrial Cleaning Solvent;
  - (5) If applicable, documentation of control device efficiency and capture efficiency, using an applicable EPA reference method as approved by the Department and EPA; and
  - (6) If applicable, date and type of maintenance performed on air pollution control equipment.
- B. Any owner or operator conducting Cleaning Activities whose Actual Emissions before controls are less than or equal to 3 tons of VOC for any calendar year and is not otherwise subject to the compliance standards of this Rule shall maintain materials purchase or use records sufficient to verify the compliance standards and other provisions of this Rule are not applicable.
- C. An owner or operator conducting Cleaning Activities exempted by Section 3 of this Rule shall maintain records sufficient to verify the exemption.
- D. All records required by this Section shall be maintained for a minimum of 5 years from creation and shall be provided to the Department or EPA upon request.

AUTHORITY: 38 M.R.S. §585-A

EFFECTIVE DATE: August 22, 2018