

**REGULATION 8  
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**REGULATION 8**  
**ORGANIC COMPOUNDS**  
**RULE 38**  
**FLEXIBLE AND RIGID DISC MANUFACTURING**

(Adopted October 2, 1985)

**8-38-100 GENERAL**

- 8-38-101 Description:** The purpose of this Rule is to limit the emissions of volatile organic compounds from the manufacture of flexible and rigid magnetic data storage discs.
- 8-38-110 Exemption, Non-Precut Substrates:** The requirements of this Rule shall not apply to coating, washing, or mixing operations used in the production of disc substrate materials that are in sheets or rolls not cut into final disc form. Such coating operations are subject to Rule 12 of this Regulation unless exempted by that Rule.
- 8-38-111 Exemption, Low VOC Coatings:** The requirements of Sections 8-38-301 and 303 shall not apply to the application, mixing, or milling of any coating with a VOC content of less than 340 grams per liter of coating applied, excluding water (2.8 pounds per gallon).
- 8-38-112 Exemption, Low VOC Solvents:** The requirements of Section 8-38-302 shall not apply to the use of any solvent containing less than 15 percent VOC, by weight.
- 8-38-113 Exemption, Small Coating Lines:** The requirements of Section 8-38-301 shall not apply to any disc coating line which does not emit more than 6.8 kilograms of VOC per operating day (15 lb/day).
- 8-38-114 Exemption, Small Polishing Lines:** The requirements of Section 8-38-302 shall not apply to any disc polishing line which does not emit more than 10 kilograms of VOC per operating day (22 lb/day).
- 8-38-115 Exemption, Small Mixing Operation:** The requirements of Section 8-38-303 shall not apply to any mixing vat with a volume of 0.045 cubic meters (12 gallons) or less.
- 8-38-116 Exemption, Equipment Cleaning:** The requirements of this Rule shall not apply to the emissions of VOC resulting from the cleaning of disc coating or polishing equipment.

**8-38-200 DEFINITIONS**

- 8-38-201 Flexible Magnetic Data Storage Disc:** A flat, circular plastic film, contained in a non-rigid envelope, with a magnetic coating on which digital information can be stored by selective magnetization of portions of the flat surface.
- 8-38-202 Rigid Magnetic Data Storage Disc:** A flat, circular, non-flexible plate with a magnetic coating on which digital information can be stored by selective magnetization of portions of the flat surface.
- 8-38-203 Disc Coater:** Any device used for applying a magnetizable film to the substrate of flexible or rigid magnetic data storage discs.
- 8-38-204 Disc Polisher:** Any device or technique using a physical rubbing process with an organic solvent on the surface of flexible or rigid magnetic data storage discs for the purpose of removing contaminants or oxidation or for increasing surface smoothness, resolution or gloss. Solvent cleaning devices using immersion or agitation in solvent or solvent vapors are subject to Rule 16 of this Regulation unless exempted by that Rule.
- 8-38-205 Coating Mixing Operation:** Any vat used for blending, milling or dispersing oxide, resin, solvent, or any other compounds in the preparation of a magnetizable coating in the manufacture of flexible or rigid magnetic data storage discs.
- 8-38-206 Disc Coating Line:** All disc coaters at a facility dedicated to the manufacture of a specific magnetic data storage disc product.
- 8-38-207 Disc Polishing Line:** All disc polishers at a facility dedicated to the manufacture of a specific magnetic data storage disc product.

**8-38-208 Volatile Organic Compound (VOC):** Any organic compound [excluding methane, carbon monoxide, carbon dioxide, carbonic acid, metallic carbides or carbonates, ammonium carbonate, which would be emitted during the use, application, curing or drying of a solvent or surface coating.

208.1 For the purposes of calculating VOC content of a coating, any water or the following non-precursor organic compounds,  
methylene chloride  
1,1,1 trichloroethane  
1,1,2-trichloro 1,2,2-trifluoroethane (CFC-113)  
trichlorofluoromethane (CFC-11)  
dichlorodifluoromethane (CFC-12)  
dichlorotetrafluoroethane (CFC-114)  
chloropentafluoroethane (CFC-115)  
acetone  
parachlorobenzotrifluoride (PCBTF)  
cyclic, branched or linear, completely methylated siloxanes (VMS)  
shall not be considered to be part of the coating.

(Amended December 20, 1995)

**8-38-209 Approved Emission Control System:** A system for reducing emissions to the atmosphere, consisting of an abatement device and a collection system, which achieves the abatement efficiency specified in the applicable standards at all times during the operation and meets the requirements of Regulation 2, Rule 1.

(Adopted June 15, 1994)

**8-38-210 Key System Operating Parameter.** An emission control system operating parameter, such as temperature, flow rate or pressure, that ensures operation of the abatement equipment within manufacturer specifications and compliance with the standards in Sections 8-38-301, and 302.

(Adopted June 15, 1994)

### **8-38-300 STANDARDS**

**8-38-301 Disc Coating Line Requirements:** Effective January 1, 1987, a person shall not operate a disc coating line unless the emissions of VOC from the disc coaters are controlled by an approved emission control system which has an overall collection and control efficiency of at least 85 percent on a mass basis and meets the requirements of Regulation 2, Rule 1. (Amended October 6, 1993; June 15, 1994)

**8-38-302 Disc Polishing Line Requirements:** Effective January 1, 1987, a person shall not operate a disc polishing line unless the emissions of VOC from the disc polishers are controlled by an approved emission control system which has an overall collection and control efficiency of at least 85 percent on a mass basis and meets the requirements of Regulation 2, Rule 1. (Amended October 6, 1993; June 15, 1994)

**8-38-303 Coating Mixing Operation Requirements:** Effective January 1, 1987, a person shall not operate a coating mixing operation unless vats are covered, except to add ingredients or take samples, with covers that satisfy the following requirements:

303.1 Covers extend at least 1/2 inch beyond the outer rim of the vat or are attached to the rim of the vat; and

303.2 Covers are maintained in good condition such that, when in place, they maintain contact with the rim for at least 90 percent of the circumference of the rim of the vat; and

303.3 Covers may have a slit to allow clearance for insertion of a mixer shaft. The slit shall be covered after insertion of the mixer shaft, except to allow safe clearance for the shaft.

303.4 Polyethylene or other non-permanent covers may be used provided that the requirements of subsections 8-38-303.1 through 303.3 are met.

**3-38-304 Deleted October 6, 1993**

### **8-38-400 ADMINISTRATIVE REQUIREMENTS**

**8-38-401 Deleted October 6, 1993**

**8-38-402 Qualification for Exemption:** By March 1, 1986, persons seeking to claim exemption from the requirements of Section 8-38-301 and/or 302 pursuant to Sections 8-38-111 through 114 shall submit for APCO approval a description of the methods and/or limitations that will ensure qualification for exemption. Such description shall include a list of coatings or solvents and the VOC contents of each to qualify for the exemptions pursuant to Sections 8-38-111 or 112 and daily production records sufficient to qualify for the exemptions pursuant to Sections 8-38-113 or 114.

(Amended October 6, 1993)

#### **8-38-500 MONITORING AND RECORDS**

**8-38-501 Approved Emission Control System, Recordkeeping Requirements:** Any person subject to Sections 301 and 302 shall:

- 501.1 Maintain a current list of coatings and solvent in use which states the VOC content of each.
- 501.2 Record on a daily basis the type and amount of coating and solvent used.
- 501.3 Record on a daily basis key system operating parameters. Key system operating parameters are those necessary to ensure compliance with VOC content of coating requirements, such as temperature, flow rate, and pressure, when applicable.
- 501.4 Retain and have such records available for inspection by the APCO for the previous 24-month period.

(Adopted June 15, 1994)

**8-38-502 Burden of Proof:** Any person claiming an exemption pursuant to Sections 8-38-113, 114, or 115, must have information available, such as purchase orders or hazardous waste manifests, that would allow the APCO to verify facility usage.

(Adopted June 15, 1994)

#### **8-38-600 MANUAL OF PROCEDURES**

**8-38-601 Analysis of Samples:** Samples of VOC as specified in Sections 8-38-111 and 112 shall be analyzed as prescribed in the Manual of Procedures, Volume III, Method 21 or 22.

**8-38-602 Determination of Emissions:** Emissions of volatile organic compounds as specified in Sections 8-38-113, 114, 301, 302 and subsection 304.7 shall be measured as prescribed by any of the following methods 1) BAAQMD Manual of Procedures, Volume IV, ST-7, 2) EPA Method 25 or 25A. A source shall be considered in violation if the VOC emissions measured by any of the referenced test methods exceed the standards of this rule. (Adopted October 2, 1985; Amended June 15, 1994)