

Data Form F Worksheet
Semiconductor Manufacturing Operations
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2. Solvent Spray Stations (as defined in Regulation 8-30-221)

Solvent Name or Trade Name of Solvent Mixtures (attach MSDS for Solvent Mixtures)	Material Code*	Organic Content (wt %)	Density (lb/gal)	Maximum Annual Throughput (gal/yr)	P-#, or If Abated, A-#
ONE COMPONENT SOLVENTS					
		100%			
		100%			
		100%			
		100%			
		100%			
		100%			
		100%			
		100%			
SOLVENT MIXTURES (MORE THAN ONE COMPONENT SOLVENTS)	Attach MSDS	Attach MSDS	Attach MSDS		

3. Solvent Vapor Stations (as defined in Regulation 8-30-222)

Solvent Name or Trade Name of Solvent Mixtures (attach MSDS for Solvent Mixtures)	Material Code*	Organic Content (wt %)	Density (lb/gal)	Maximum Annual Throughput (gal/yr)	P-#, or If Abated, A-#
ONE COMPONENT SOLVENTS					
		100%			
		100%			
		100%			
		100%			
		100%			
		100%			
		100%			
		100%			
SOLVENT MIXTURES (MORE THAN ONE COMPONENT SOLVENTS)	Attach MSDS	Attach MSDS	Attach MSDS		

*Please leave Material Codes blank, if unknown.

4. Wipe Cleaning Operations (as defined in Regulation 8-30-225)

Solvent Name or Trade Name of Solvent Mixtures (attach MSDS for Solvent Mixtures)	Material Code*	Organic Content (wt %)	Density (lb/gal)	Maximum Annual Throughput (gal/yr)	P-#, or If Abated, A-#
ONE COMPONENT SOLVENTS					
		100%			
		100%			
		100%			
		100%			
		100%			
SOLVENT MIXTURES (MORE THAN ONE COMPONENT SOLVENTS)	Attach MSDS	Attach MSDS	Attach MSDS		

Part B – Coating Operations

1. Photoresist (as defined in Regulation 8-30-215) **and Other Wafer Coating**

Photoresist/Other Wafer Coating Trade Name (attach MSDS)	Organic Content (wt %)	Density (lb/gal)	Maximum Annual Throughput (gal/yr)	P-#, or If Abated, A-#

2. Solvent-Based Developer (as defined in Regulation 8-30-219)

Solvent-Based Developer Trade Name (attach MSDS)	Organic Content (wt %)	Density (lb/gal)	Maximum Annual Throughput (gal/yr)	P-#, or If Abated, A-#

*Please leave Material Codes blank, if unknown.

3. Other Miscellaneous Solvent Usage

Solvent Name or Trade Name of Solvent Mixtures (attach MSDS for Solvent Mixtures)	Material Code*	Organic Content (wt %)	Density (lb/gal)	Maximum Annual Throughput (gal/yr)	P-#, or If Abated, A-#
ONE COMPONENT SOLVENTS					
		100%			
		100%			
		100%			
		100%			
SOLVENT MIXTURES (MORE THAN ONE COMPONENT SOLVENTS)	Attach MSDS	Attach MSDS	Attach MSDS		

Part C – Other Operations Involving Materials That Are Toxic (listed in Table 2-5-1 of Regulation 2-5)

1. Inorganic Liquids

Inorganic Liquid Name	Material Code*	Density (lb/gal)	Maximum Annual Throughput (gal/yr)	P-#, or If Abated, A-#

*Please leave Material Codes blank, if unknown.

2. Organic and/or Inorganic Gases (excluding carrier gases)

Organic and/or Inorganic Gas Name	Material Code*	Maximum Annual Throughput (lb/yr)	P-#, or If Abated, A-#

*Please leave Material Codes blank, if unknown.

COMPLIANCE DETERMINATION WORKSHEET *(Completion required for all operations that exist in fab area source)*

Photoresist Operations Using Solvent-Based Developer Requirements

- Yes No Is solvent-based developer applied by any method other than by immersion in a solvent sink? If no, go to next section.
- Yes No Are all exhaust gases containing VOC from both the solvent-based photoresist application and solvent-based developer operations in the fab area vented to an approved emission control device which captures and abates at least 90% (by weight) of VOC evaporated at the application and development operations? (8-30-302)
- Yes No Is total combined net consumption of solvent-based photoresist and solvent-based developer less than 24 gallons per month? (8-30-402)

Solvent Sink Requirements

- Yes No Do all solvent sinks containing VOC have a cover? (8-30-304.1)
- Yes No If no (all solvent sinks do not have a cover), are all uncovered solvent sinks containing VOC abated by an approved emission control device? (8-30-304.2; 8-30-304.5)
- Yes No Is the capacity of all solvent sinks clearly labeled on the sink (8-30-304.2)
- Yes No Are all materials containing VOC, including waste solvents, stored or disposed in a manner so as not to allow evaporation into the atmosphere? (8-30-304.3)
- Yes No Are liquid solvent leaks repaired immediately or the equipment shut down (8-30-304.4)
- Yes No Are there any unheated solvent sinks with a vapor pressure higher than 30 mmHg at 20 degrees C, OR any heated sinks with a freeboard ratio¹ less than 0.75? (8-30-304.5)
- Yes No If yes, are there any such sinks with capacity greater than 1 liter? (8-30-304.5.1)
- Yes No If yes (greater than 1 liter), are all such sinks abated by an approved emission control device.(8-30-304.2; 8-30-304.5.2)

¹. The vertical distance from the top of the evaporative area to the bottom of the lowest opening in the solvent cleaner (freeboard height) divided by the smaller of the length or width of the solvent cleaner evaporative area.

Solvent Spray Station Requirements

- Yes No Does the station(s) operate as a sealed enclosure unless sampling, maintenance, loading or unloading procedures require operator access. (8-30-305.1)
- Yes No If no (station is not a sealed enclosure), is station abated by an approved emission control device which captures and abates at least 90% (by weight) of VOC emitted from station? (8-30-305.1)
- Yes No Are liquid solvent leaks repaired immediately or the equipment shut down (8-30-305.2)
- Yes No Does station have VOC emissions that exceed 250 lb/month per station, as calculated in accordance with 8-30-504?
- Yes No If yes (station's VOC emissions exceeds 250 lb/month), does an approved emission control device abate station? (8-30-305.3)

Solvent Vapor Station Requirements

- Yes No Does the station(s) operate as a sealed enclosure unless sampling, maintenance, loading or unloading procedures require operator access. (8-30-306.1)
- Yes No If no (station is not a sealed enclosure), is station abated by an approved emission control device which captures and abates at least 90% (by weight) of VOC emitted from station? (8-30-306.1)
- Yes No Are liquid solvent leaks repaired immediately or the equipment shut down (8-30-306.2)
- Yes No Does station have VOC emissions that exceed 250 lb/month per station, as calculated in accordance with 8-30-504?
- Yes No If yes (station's VOC emissions exceeds 250 lb/month), does an approved emission control device abate station? (8-30-306.3)

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Fab Area Wipe Cleaning Requirements

- Yes No Is a solution containing less than or equal to 10% VOC by weight only used to perform wipe cleaning of fab area walls, floors and other fab area surfaces, including fabrication tool enclosures? (8-30-307)
- Yes No Discarded rags and paper that have been used for cleaning are kept in a closed container. (8-1-320)
- Yes No All solvent containers are closed at all times except when a solvent is being dispensed. (8-1-321)

Additional Comments, If Any

CERTIFICATION *(I hereby certify that all information contained herein is true and correct)*

_____ Signature	_____ Title	_____ Date
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