

BAY AREA AIR QUALITY MANAGEMENT DISTRICT

939 Ellis Street . . . San Francisco, CA 94109 . . . (415) 749-4990 Fax (415) 749-5030

**DATA FORM SC
Solvent Cleaning Operations**

Plant No. _____ Source No _____ Application No. _____

New Modified Retro
(for office use only)

Form SC is for solvent cleaning operations only. All other operations involving solvents, use Data Form S. Form instructions are on the following page. PLEASE READ FIRST.

SIC Number _____ (leave blank if unknown)

Plant No. _____

- 1. Business Name _____
- 2. Date of Initial Operation _____ Source No S- _____ (leave blank if unknown)
- 3. Make, Model, and Rated Capacity of Equipment _____
- 4. Operating time: _____ hours/day _____ days/week _____ weeks/year
- 5. Typical % of total annual usage: Dec-Feb _____% Mar-May _____% Jun-Aug _____% Sep-Nov _____%
- 6. Does solvent evaporation emissions at this source vent directly to room atmosphere or to an abatement device or through a stack? (Check one)
- 7. Net solvent usage for 12-month period _____ (See instructions below)
- 8. Solvent used most: Trade name _____ % of total used _____
- 9. Solvent used 2nd most: Trade name _____ % of total used _____
(Attach a Material Safety Data Sheet for each solvent)

8a) Material Code _____; Density _____ lb/gal (District use only)
9a) Material Code _____; Density _____ lb/gal (District use only)

- 10. If this is a **wipe cleaning operation**, check this box and stop here. This form is now complete.
- 11. Container: Length _____ in. width _____ in. liquid volume _____ gal. freeboard height _____ in. (See instructions)
- 12. Freeboard ratio = Freeboard height divided by smaller of the length or width = _____
- 13. General information:
 - a. Is there a container for the solvent and for the articles being cleaned? yes no
 - b. Does the container have a cover? yes no
 - c. Is a solvent spray used? yes no
If yes, is spray "atomized" or a "shower" type? _____
 - d. Is there a conspicuous label summarizing District operating requirements? yes no
 - e. How are cleaned parts drained? _____
- 14. Equipment type: Check one: Vapor Degreaser (Part A) Conveyorized Degreaser (Part B) Cold Cleaner (Part C)

Part A: Open-Top Vapor Degreaser (Attach copy of equipment specifications or manufacturer's data sheet.) Does the degreaser have the following?

- 15. Condenser flow switch (except on refrigerated degreasers)? yes no
- 16. Spray safety switch for degreasers with open area greater than 432 in²? yes no
- 17. Vapor level control thermostat? yes no
- For large Vapor Degreasers with open area greater than 1550 in²:
 - 18. A refrigerated chiller (in addition to the cooling coils)? yes no
 - 19. Carbon adsorption or other control system? yes no

Part B: Conveyorized degreaser (Attach copy of equipment specifications or manufacturer's data sheet.) Does the degreaser have the following?

- 20. Condenser slow switch (except on refrigerated degreasers)? yes no
- 21. Spray safety switch? yes no
- 22. Vapor level control thermostat for boiling degreasers? yes no
- 23. Drying tunnel or rotating basket? yes no
- 24. Open area of the degreaser entrance _____ in² exit _____ in²
- For large Conveyorized Degreasers with an air-vapor interface area greater than 3100 in²:
 - 25. A refrigerated chiller (in addition to the cooling coils)? yes no
 - 26. Carbon adsorption or other control system used? yes no

Part C: Cold Cleaner (Attach copy of equipment specifications):

- 27. Is air agitation used? yes no
- 28. Is a water cover used? yes no
- 29. A refrigerated chiller, carbon adsorption, or other control? yes no

Person completing this form: _____ Date: _____

INSTRUCTIONS FOR COMPLETING DATA FORM SC

- Complete one Data Form SC for each solvent cleaning operation.
- SIC and Plant Numbers may be left blank if unknown.

Please read the following instructions prior to completing this form.

- Line 6* If emissions from this source vent to other than room atmosphere, check either the source, abatement device, or emission point to which they vent; complete the appropriate source, abatement, or emission point form(s) in addition to Data Form SC.
- Line 7* Annual net solvent usage is the quantity of solvent lost to the atmosphere in a 12-month period. Net solvent usage equals the quantity of solvent purchased and placed in the container minus the quantity of recovered or recycled solvent. Net solvent usage is also equal to the quantity of "make-up" solvent placed in the container. If annual net solvent usage is not available, please estimate or project the annual solvent usage.
- Line 8* Provide the trade name(s) of solvent(s) used. If more than two solvents are used, attach & additional Material Safety Data Sheets (MSDS). "Percent of total used" means the percent
Line 9 of the total solvents used at this source.
- Line 11* Freeboard height: (A) of vapor degreasing tanks is the distance from the solvent vapor-air interface to the top of the degreasing tank; (B) of conveyORIZED degreasing tanks is the distance from the top of the solvent or solvent vapor-air interface to the bottom of the lowest opening in the degreaser tank; (C) of cold cleaning tanks is the distance from the top of the solvent or solvent drain to the top of the tank.

DEFINITIONS

Open-Top Vapor Degreaser: Any batch loaded, boiling solvent degreaser.

Conveyorized Degreaser: Any continuously loaded, conveyorized solvent degreaser either boiling or non-boiling.

Cold Cleaner: Any non-boiling solvent degreaser, including, but not limited to, spray sinks, spray booths and batch-loaded dip tanks.

Wipe Cleaning: That method of cleaning which utilizes a material such as a rag wetted with a solvent, coupled with a physical rubbing process to remove contaminants from surfaces.

Freeboard Height: Of open-top vapor degreasing tanks, the distance from the solvent vapor-air interface to the top of the degreaser tank. Of conveyorized degreasing tanks, the distance from the top of the solvent or solvent vapor-air interface to the bottom of the lowest opening in the degreaser tank. Of cold cleaning tanks, the distance from the top of the solvent or solvent drain to the top of the tank.

Make-up Solvent: Make-up solvent is that solvent which is added to a cleaning operation to replace solvent lost through evaporation. Where solvent is reclaimed by a commercial reclamation service, only the net increase between solvent sent out and solvent returned shall be considered make-up solvent.

Condenser Flow Switch: A safety switch which shuts off sump heat if condenser water fails to circulate or rises above the designated operating temperature.

Spray Safety Switch: A safety switch which cuts off the pump of the spray applicator if the vapor level drops below a specified level.

Vapor Level Control Thermostat: A safety switch which turns off the sump heater if the thermostat senses vapors rising above the air-vapor interface.