

310 CMR 7.00

AMEND 310 CMR 7.00 DEFINITIONS

SOLVENT METAL DEGREASING means the process of cleaning metal surfaces by using a volatile organic compound:

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- Cold cleaning degreasing means the batch process of solvent metal cleaning by spraying, brushing, flushing or immersion while maintaining the solvent below its boiling point. Wipe cleaning is not included in this definition.
- Conveyorized degreasing means the continuous process of solvent metal cleaning by operating with either cold or vaporized solvents.
- Vapor degreasing means the process of solvent metal cleaning by condensing hot solvent vapor on the colder metal parts.

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SPECIAL AND EXTREME SOLVENT METAL CLEANING means the use of degreasers:

- (a) To clean metal parts used in the manufacturing and rework of electronic parts, assemblies, boxes, wiring harnesses, sensors and connectors used in aerospace service;
- (b) To clean metal parts used in the manufacturing of ozone, nitrous oxide, fluorine, chlorine, bromine, halogenated compounds, or oxygen in concentrations greater than 23 percent; or
- (c) To clean metal parts exposed to ozone, nitrous oxide, fluorine, chlorine, bromine, halogenated compounds, or oxygen in concentrations greater than 23 percent.

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AMEND 310 CMR 7.18(8)

(8) U Solvent Metal Degreasing.

1. (a) Cold Cleaning Degreasing. On or after [6 months after promulgation date], no person owning, operating, leasing or controlling any solvent metal degreasing facility which utilizes a cold cleaning degreaser that is able to contain more than 1 liter of solvent shall cause, suffer, allow or permit emissions of volatile organic compounds therefrom unless they comply with the requirements in 310 CMR 7.18(8)(a)1. through 310 CMR 7.18(8)(a)3. The solvent used in a cold cleaning degreaser shall have a vapor pressure that does not exceed 1.0 mm Hg measured at 20°C. This requirement shall not apply to the following:

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- a. cold cleaning degreasers used in special and extreme solvent metal cleaning;
 - b. cold cleaning degreasers for which the owner or operator has received Department approval of a demonstration that compliance with the requirement to use a solvent with a vapor pressure of 1.0 mm Hg or less at 20°C will result in unsafe operating conditions; and
 - c. cold cleaning degreasers that are located in a permanent total enclosure having control equipment that is designed and operated with an overall VOC control efficiency of 90% or greater.
2. Any leaks shall be repaired immediately, or the degreaser shall be shut down.
3. The following requirements shall apply unless the cold cleaning degreaser is a sink-like work area with a remote solvent reservoir with an open drain area less than

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100 square centimeters:

- a. Each cold cleaning degreaser is equipped with a cover that is designed to be easily operated with one hand;
- b. Each cold cleaning degreaser is equipped to drain clean parts so that, while draining, the cleaned parts are enclosed for 15 seconds or until dripping ceases, whichever is longer;
- c. Each cold cleaning degreaser is designed with:
 - i. a freeboard ratio of 0.75 or greater; or
 - ii. a water blanket (only if the solvent used is insoluble in and heavier than water); or
 - iii. an equivalent system of air pollution control which has been approved by the Department and EPA;
- d. The covers of each cold cleaning degreaser are closed whenever parts are not being handled in the degreaser, or when the degreaser is not in use; and
- e. The drafts across the top of each cold cleaning degreaser are minimized such that when the cover is open the degreaser is not exposed to drafts greater than 40 meters per minute (1.5 miles per hour), as measured between one and two meters upwind at the same elevation as the tank lip.

THE REMAINDER IS UNCHANGED.

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 <#>an equivalent system of air pollution control which has been approved by the Department and EPA; and¶
 <#>the covers of each cold cleaning degreaser are closed whenever parts are not being handled in the degreaser, or when the degreaser is not in use; and¶
 <#>the drafts across the top of each cold cleaning degreaser are minimized such that when the cover is open the degreaser is not exposed to drafts greater than 40 meters per minute (1.5 miles per hour), as measured between one and two meters up wind at the same elevation as the tank lip; and¶
 <#>any leaks are repaired immediately, or the degreaser is shut down.¶
 <#>the cold cleaner must have a remote solvent reservoir; and¶
 <#>the solvent used in the cold cleaner must not have a vapor pressure that exceeds 4.3 kPa (33 mmHg or 0.6 PSI) measured at 38°C (100°F) or be heated above 50°C (120° F); and¶
 <#>the sink-like work area must have an open drain area less than 100 square centimeters.¶