



## M<sup>2</sup> Polymer Technologies, Inc.

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### Remediation of PCB Waste from Porous & Non-Porous Surfaces

There has been a great deal of historical experience with [Liquinox® Critical Cleaning Detergent](#) remediating PCBs. This is a highly concentrated detergent that is normally diluted to a 1% (100:1) concentration.

However, **for PCBs we recommend a high concentration of 3-4%**. Elevated temperatures will help in the cleaning.

#### PRODUCT COVERAGE:

- ✓ For metal & non-porous surfaces coverage is 400 sq feet per diluted gallon (~ 10 sq. meters per liter).
- ✓ For porous surfaces such as concrete coverage is 250 sq. feet per diluted gallon. Polychlorinated biphenyls (PCBs) are nasty stuff and care should of course be taken care of during the cleaning and rinsing process, as well as the rinse water disposal. Consult local Environmental Health & Safety (EHS) professionals and regulations as required.

M<sup>2</sup> Polymer Technologies offers FREE SAMPLES of [Liquinox®](#) Critical-Cleaning Liquid Detergent.

#### Usage Instructions:

1. Obtain a suitable mixing container to dilute the [Liquinox®](#) concentrate and dilute with clean water to make a 3% or 4% solution. Warm or room temperature water works better than cold water.
2. Apply the [Liquinox®](#) diluted solution to a contaminated area with a pump sprayer or brush. It is helpful to take a stiff bristle brush and work the detergent into the surface. Work in smaller, manageable areas. Allow the detergent to sit 15-20 minutes. Do not allow the surface to dry out! Apply a fine water mist if needed.
3. After the 15-20 minutes residence time, perform at least TWO water rinses with warm or room temperature water. **Be sure to rinse with a similar temperature water for the first rinse** to avoid thermally shocking micelles that form and redeposit the residue you are looking to remove. In this case, redepositing PCBs.
4. Collect the rinsate with a power wet vacuum or by moping.
5. Allow surface to dry thoroughly for 24 hours. Then re-sample and test for PCBs.



[Liquinox®](#) is available in the following sizes:

- SAMPLE (4 oz) (makes 1 gallon of 3% solution)
- One Quart Bottle (makes 8 gallons of 3% solution)
- One Gallon Bottle (makes 33 gallons of 3% solution)
- Five Gallon Can (makes 165 gallons of 3% solution)
- 15 Gallon Drum (makes 495 gallons of 3% solution)
- 55 gallon Drum (makes 1815 gallons of 3% solution)