



**METHLAB DECONTAMINATION
PROTOCOL**

H2o2 Decon 5

www.h2o2Decon.com

INTRODUCTION

The basic chemistry of h₂o₂ Decon 5 is a combination of two active ingredients; quaternary amines and hydrogen peroxide. Decon 5 also contains several stabilizing compounds, which help to extend the shelf life of the formula and control the chemical reaction so that the decontamination occurs in a safe manner.

The pH of the formula is around 9.8 making it a basic solution. When the formula comes in contact with inorganic acids it will work to neutralize the acids bringing them to a pH of 7.

The combined formula (Decon 5 part A + Decon 5 part B) breaks the chemical bonds between the individual atoms. The result is a release of water molecules reducing the chemicals on the list below to carbon and non-hazardous inorganic residue.

Once the decontamination formula had been applied and allowed to work the materials left behind are all non-hazardous and can be rinsed away with water. None of the chemicals remain in their original form. None of the residues are flammable and all of the remaining materials can be disposed of safely without harm to the environment.

CHEMICALS FOUND IN METH LABS

Inorganic Acids

Hydriodic
Hydrochloric acid
Sulfuric acid

Inorganic Bases

Sodium hydroxide

Inorganic Compounds

Iodine
Red phosphorous
Thionyl chloride

Organic Acids

Acetic acid
Acetic anhydride
Phenylacetic acid

Organic Solvents

Acetone
Benzyl chloride
Ethyl alcohol
Ethyl amine
Ethyl ether
Isopropyl alcohol
Nitroethane
Petroleum ether
Phenyl-2-propanone
Toluene

Organic Compounds

Ephedrine
Pseudoephedrine

METH LAB CLEANUP PROTOCOL

- 1) Place warning signs on each entry door to structure. There will be no unauthorized entry and each technician must use the sign in sheet that will be adhered to the entrance.
- 2) Proper contamination suits and masks must be worn at all times in accordance with local regulations.
- 3) Pre-inspection by lead technician to determine what personal items, carpeting, drapery and furniture are left in structure.
- 4) Technician is to photograph all interior rooms, belongings and furniture before any work has commenced.
- 5) First pre-treatment: Fogging of the entire structure and contents with Decon 5 using the fogging protocol (See below). This is important to decontaminate items that may be deemed severely soiled and will be disposed of.
- 6) Assess contents of structure (if any) to determine level of contamination on property contents. Contents that are beyond decontamination are to be itemized, bagged and discarded. This will include carpeting, drapery, furniture or any fabric items.
- 7) If any demolition is necessary, set up containment fields for all areas including a possible negative air pressure environment for demolition. Containment field must include a zipper access door and a possible second entry containment for areas adjacent to other areas.
- 8) For areas deemed necessary for demolition, any contents are to be removed from contained area and moved to second containment area.
- 9) Pre-treat all areas with Decon 5 using the fogging protocol. This could include wet spraying depending on the structure and level of contamination.
- 10) Set up proper ventilation with the use of fans, HEPA air scrubbers using negative air pressure.
- 11) Technician to demo and remove severely contaminated and compromised materials deemed necessary. All materials to be bagged in containment field and all debris are to be removed from structure and discarded properly.
Areas that have been demoed will be HEPA vacuumed prior to final treatment with Decon 5.

- 12) HEPA air scrubbers will be moved into areas for final air scrubbing. Scrubbers should be set on timers for start up 4 hours after fogging has been completed. Scrubbers must be kept clean and covered with plastic sheeting and removed after technician has completed treatment.
- 13) Technicians are to do an initial wipe down of all surfaces in preparation for final treatment.
- 14) Final treatment of structure with Decon 5 using the fogging protocol.
- 15) Treat HVAC system by fogging Decon 5 directly into all return air vents while system fan is running. Turn system off and back feed into individual vents when necessary. (Any filters must be removed prior to treatment of HVAC system)
- 16) Seal treated area doors with remediation tape if necessary and place warning signs for no entry on structure.
- 17) After completion of air scrubbing, technician is to complete a post inspection to verify proper treatment has been performed. If post inspection by 3rd party inspector is to be performed, air scrubbers are to be left on until entry by inspector. There must be no entry until final report has been received and inspector has issued clearance.
- 18) Remove any containment fields and HEPA air-scrubbing units.
 - Demolition may not be necessary.
 - Proper safety gear necessary for the entire duration of treatment.

FOGGING PROTOCOL

- 1) Employees suit up in full PPE
- 2) Every surface from floor to ceiling and any contents left behind are sprayed and WET with Decon 5.
- 3) Next day, full PPE again and all flooring, drywall, plaster and contents are removed and disposed of. May take days to complete depending on size.
- 4) Then all framing is sprayed and WET with Decon 5 and then the air is fogged.
- 5) Following day, ready for testing!