MethSan

Potentiated Hydrogen Peroxide Decontaminant

Actichem's MethSan and it's working partners, have been professionally formulated to target the stubborn residues created by the manufacture and use of methamphetamine and other clandestine drugs. Depending on the ingredients used, the cooking process, the location of the area in relation to the drug activity area and the length of time of drug activity, a single property may have a wide variance of contamination levels.

The MethSan system caters for this and provides for maximum efficiencies in decontamination for all scenarios.

The MethSan Decontamination technology is different to other remediation systems in that it not only employs oxidisers and associated chemistry to breakdown chemical and biological residues but it also utilizes a blend of two unique ingredients which have a strong affinity for the carbonaceous soils which are a consequence of heating & cooking hydrocarbons and other chemicals. This chemical duo then facilitate the physical release and suspension of these soils, even when embedded in paintwork and porous surfaces. This two-pronged attack on meth and drug residues in conjunction with versatile and easy application methods creates a dependable, reliable decontamination system.

MethSan PreWash

The success of a high reading Drug Lab Remediation process depends on a prewash based on innovative, purpose built chemistry (not just sugar soap) and a thorough application procedure. The MethSan PreWash is specifically designed for the maximum removal of stubbornly embedded carbonaceous and oily residues from a variety of substrates. A pre-wash done well means there is reduced residues for the main wash step to tackle, facilitating a significantly higher success rate.

- Advanced chemistry chases and removes micro-carbon compounds typical to drug lab residues.
- High quality emulsification system removes associated soiling and oils.
- Super wetting agents ensures rapid penetration and action even on porous surfaces.
- Free rinsing characteristics.

Main Wash and Decontamination

The main wash must ensure that all the chemical substance residues are either physically removed or deactivated. This is a serious challenge considering the chemicals typically used, the mode of deposition onto surfaces and the variety of substrates involved. Powerful targeted oxidisation in tandem with the micro-carbon residue chasing chemistry provides dependable, reliable results.

MethSan Part A

- A unique Hydrogen Peroxide blend potentiated to dramatically enhance it's oxidising activity.
- Super wetting agents ensures rapid penetration and superior action even on porous surfaces.
- Powerful complementary anti-microbial action tackling bacteria, viruses and mould.

MethSan Part B

The part B provides hydrogen peroxide boosting activity, additional wetting properties and the unique micro-carbon residue removal properties. Part B is available in two versions to

facilitate fogging or foam application.

MethSan Part B FOG Boost

- Three potentiators dramatically raise the oxidising potential of Part A solution.
- The unique carbon residue chasing chemistry releases micro chemical particles for removal or/and neutralisation by oxidation.
- Specific safe solvents ensure effective formation of micro-droplets through wet/cold fogger application facilitating complete coverage and penetration into even micro-pores
- Corrosion inhibitors and pH balance protect equipment and surfaces against corrosion.

Methsan Part B FOAM Boost

- Three potentiators dramatically raise the oxidising potential of Part A solution.
- The unique carbon residue chasing chemistry releases micro chemical particles for removal or/and neutralisation by oxidation.
- Generates a rich, stable foam when used through foam generating equipment for easy, rapid and effective application on vertical and ceiling surfaces.

MIXING AND DILUTIONS

Methsan PREWASH Dilution

Mix 1-part MethSan PreWash with 4-parts water

Eg. Add 4Lt water into the container. Add 1Lt MethSan PreWash.

- Briefly stir
- Store unused solution in a sealed container.

Methsan FOG Dilution

Mix 1-part MethSan Part B Fog Boost with 4-parts MethSan Part A

Eg. Add 4Lt MethSan Part A into the container. Add 1Lt MethSan Part B Fog Boost.

- Briefly stir
- Use solution within 12 hours

Methsan FOAM Dilution

Mix 1-part MethSan Part B Fog Boost with 4-parts MethSan Part A

Eg. Add 4Lt MethSan Part A into the container. Add 1Lt MethSan Part B Foam Boost.

- Briefly stir.
- Use solution within 12 hours.
- Use Actichem Foamex Liquid or Foamex Powder to assist with clean-up when using wet-extraction equipment.

APPLICATION

The MethSan system allows for multiple different application methods depending on the drug residue levels, preferred application methods and regulations imposed.

Ensure that all safety, sds guidelines, PPE and good practice principles are strictly adhered to.

Low meth readings (eg drug user house)

1. Apply MethSan Fog solution using a sprayer or wet/cold fogger
2. Agitate thoroughly. Re-agitate every 15 to 20 minutes.
3. Allow 30-60 minutes dwell time. Reapply solution if required to keep wet
4. Agitate again at end of dwell time.
5. Rinse thoroughly

If desired this process can be performed utilising the MethSan Foam solution.

Medium readings (eg drug user house)

1. Apply Methsan Foam solution using foam generating equipment
2. Agitate thoroughly. Re-agitate every 15 to 20 minutes.
3. Allow 1-2 hours dwell time. Reapply solution if required to keep wet
4. Agitate again at end of dwell time.
5. Rinse thoroughly.

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High Readings (eg drug lab)

1. Prewash the area using MethWash PreWash solution. Agitate well. Allow at least 10 minutes dwell time. Rinse with clear water. Repeat where high readings are encountered and/or severe soiling is encountered.
2. Ensure surfaces are not shiny wet before proceeding with step 3
3. Apply Methsan Foam solution using foam generating equipment
4. Agitate thoroughly. Re-agitate every 30 minutes.
5. Allow 1-2 hours dwell time.

- Keep wet by reapplying MethSan foam solution or the Methsan Fog solution
- Re-agitate every 30 minutes

6. Agitate again at end of dwell time
7. Rinse thoroughly

Ultra Performance Option

The Ultra Performance Option enables the user to reduce dwell times on meth lab decontamination projects.

This option involves handling 50% strength Hydrogen Peroxide and applying Hydrogen Peroxide at 12.5% activity. This poses significantly higher risk of injury and possible substrate damage to sensitive surfaces. This option must not be undertaken unless supervisors and technicians have undergone professional training and strictly follow all sds, ppe and good practice guidelines.

MethSan/Perox FOG Dilution

Mix 1-part MethSan Part B Fog Boost with 1-part Perox (Hydrogen Peroxide 50) into 2-parts water.

Example:. Add 2 liters water into the container, followed by 1 Lt Perox and 1 Lt Methsan Part B Fog Boost

- Briefly stir.
- Use solution within 8 hours.

MethSan/Perox FOAM Dilution

Mix 1-part MethSan Part B Foam Boost with 1-part Perox (Hydrogen Peroxide 50) into 2 parts water.

Example:. Add 2 liters water into the container, followed by 1 Lt Perox and 1 Lt Methsan Part B Foam Boost

- Briefly stir.
- Use solution within 8 hours.

APPLICATION

Prewash the area using MethWash PreWash solution. Agitate well. Allow at least 10 minutes dwell time. Rinse with clear water. Repeat where high readings are encountered and/or severe soiling is encountered.

1. Ensure surfaces are not shiny wet before proceeding with step 3.
2. Apply Methsan Perox solution using foam generating equipment, fogging equipment or sprayer.
3. Agitate thoroughly.
4. Allow 30-60 minutes dwell time.

- Keep wet by reapplying the Foam solution or Fog solution.
- Re-agitate every 30 minutes.

5. Agitate again at end of dwell time.
6. Rinse thoroughly.