



# UPH Pro System

## Safety Information Sheet



**DANGER** NOTE: For professional use only

**KEEP OUT OF REACH OF CHILDREN.**

**NOTE: GHS HAZARD STATEMENTS APPLY TO THE DRY CHEMICAL.**

**THIS PRODUCT FULLY COMPARTMENTALIZES DRY INGREDIENTS INSIDE A HYDROPHOBIC ENVELOPE. UNDER NORMAL USE CONDITIONS AND UNLESS SEALED PRODUCT ENVELOPE IS COMPROMISED, CONTACT WITH THE DRY INGREDIENTS WILL NOT OCCUR. READ SDS BEFORE USE.**

**MAY INTENSIFY FIRE; OXIDIZER. CAUSES SEVERE SKIN BURNS AND EYE DAMAGE.**

**PRECAUTIONARY STATEMENTS:**

**AVOID BREATHING FUMES. AVOID CONTACT WITH SKIN AND EYES. WEAR SUITABLE PROTECTIVE CLOTHING, GLOVES, AND EYE/FACE PROTECTION. DO NOT BREATHE CHLORINE DIOXIDE FUMES, USE IN WELL VENTILATED AREA.**

**Activated solution: Causes moderate eye irritation. Avoid contact with eyes, skin, or clothing. Avoid breathing vapors. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum or using tobacco. Read product SDS for additional safety information before use.**

Chlorine Dioxide description:

Liquid Chlorine Dioxide reddish brown to yellow green in color.

ClO<sub>2</sub> in gaseous form gas is yellow in color.

ClO<sub>2</sub> has a smell similar to Chlorine.

ClO<sub>2</sub> is regulated by OSHA and cited by the NIOSH

Chlorine Dioxide OSHA Guidelines:

The odor threshold is .1 PPM. The OSHA and NIOSH airborne permissible exposure is .1 PPM averaged over an 8 hour period and or .3 PPM in a 15 min period.

PPE for Chlorine Dioxide respiratory, eye, and skin protection :

Breathing ClO<sub>2</sub> gas can cause nose and throat causing coughing and wheezing.

Breathing ClO<sub>2</sub> gas can cause lung irritation causing coughing and or shortness of breath.

Contact with ClO<sub>2</sub> can cause skin irritation.

Contact with ClO<sub>2</sub> can cause watery eyes.

PPE Equipment:

PPE equipment is recommended when handling Ultra Pure Home products at the 500 PPM concentration, or in working in confined spaces. PPE equipment recommendations are noted below and in the User Manual.

Clothing:

Wear protective gloves and clothing. Gloves should be chemical resistant and made of the following material types; Neoprene, Nitrile, Butyl Rubber, Viton®, Responder®. Full coverage clothing by PureGard with Hood and Boots is also recommended.



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### Eye and Respiratory Protection:

Wear a NIOSH/MSHA-approved respirator with a multi-gas/vapor cartridge is recommended under the following conditions:

- when mixing 500 PPM Selectocide® solution
- when applying activated solution with a pressure sprayer
- when working with the activated solution for an extended period of time in a closed facility or in a poorly-ventilated area
- when normal work shift duties entail uninterrupted periods of applying the activated solution with mop, sponge, or sprayer

The 3M Full Face piece Reusable Respirator 6900 with the 3M Multi Gas/Vapor Cartridge/Filter 60922, P100 are good examples.

### ClO<sub>2</sub> Sensors:

ClO<sub>2</sub> Sensors are recommended to measure when it is safe to re-enter a treatment space. A badge which is worn on the clothing senses the amount of ClO<sub>2</sub> in the air. A portable electronic sensor is also available. BW Gas Monitor GAXT and the SafeAir Direct Read Colorimetric Badges are examples,

### ClO<sub>2</sub> Disposal:

Liquid solutions have a time period that the liquid is at full strength. Selectocide® makeup liquids (500 PPM) and disinfectant concentrations (100 PPM) can be stored in non UV light areas for three weeks from mixing. Dilute the 500 PPM liquid to dispose through drain systems. Ultra Pure Pro series sachets are activated in small amounts of water in the Ultra Pro VF unit. The water can be disposed of through drain systems after the treatment period. The sachets can be placed in trash containers.



### **Ultra Pure Home**

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