

## Unsmoke<sup>®</sup> Degrease-All E<sup>™</sup> FOR PROFESSIONAL USE ONLY

### High Performance Electronics Cleaner

#### BACKGROUND

It is well known that structural fires deposit a great deal of soot, debris and greasy soils on electronic components that were in the building at the time of the fire. Structure fires that involve certain synthetic materials such as vinyl plastic also produce acidic vapors. These vapors can corrode the exposed metal components in electronic devices. Degrease-All E is specially designed to clean, neutralize and degrease these exposed metal components...

Degrease-All E contains water soluble solvents, corrosion inhibition agents, soil suspension agents, grease cutting surfactants and alkaline builders. The product loosens, emulsifies and suspends particulate and greasy soils. The alkaline builders in Degrease-All E neutralize acidic residues. Degrease-All E is fully water soluble so it can be rinsed off surfaces and leaves no residue.

#### ITEMS NEEDED

- **Cleaning products:** Degrease-All E
- **Personal Protective Equipment (PPE)** as specified in the Material Safety Data Sheet (MSDS)
- **Supplies:** adequate supply of clean cloths and a plastic bag for the storage of soiled cloths, measuring cup, source of purified (for example: deionized or distilled) water, hand trigger sprayer, wide mouth container, soft brush,
- **Equipment:** ultrasonic cleaning equipment, source of compressed air or heat

**PRETESTING:** Test surfaces or items to be cleaned in inconspicuous area to check for potential damage or adverse reaction.

#### PROCEDURE

**Pre-conditioning:** Prepare a ready-to-use (RTU) solution by diluting 12 ounces of concentrate with enough hot tap water (94 mL/L) to make one gallon. Place in hand trigger sprayer. Lightly spray smoke damaged surfaces, agitate with soft brush. Increase the concentration to as much as 32 ounces per gallon (250 mL/L) depending on soiling conditions.

**Brush on application:** Prepare a ready-to-use solution of Degrease-All E by diluting 12 ounces of concentrate with enough hot tap water (94 mL/L) to make one gallon and place in wide mouth container. (Increase the concentration to as much as 32 ounces per gallon (250 mL/L) depending on soiling conditions.) Use a soft brush to apply or agitate the RTU solution on target surfaces. Rinse with deionized or distilled water until no soap bubbles are visible. Remove moisture by blowing with compressed air and oven drying.

**Ultra-sonic cleaning:** Add 2 ounces of concentrate per gallon (16 mL/L) of water in cleaning tank. Rinse with purified water after cleaning.

**Siphon application:** Prepare a ready-to-use solution by diluting 12 ounces of concentrate with enough hot tap water (94 mL/L) to make one gallon. (Increase the concentration to as much as 32 ounces per gallon (250 mL/L) depending on soiling conditions.) Place in detergent reservoir. Spray soiled surfaces until clean and then rinse with purified water until no soap bubbles are visible. Remove moisture by blowing with compressed air and oven drying.

#### CLEAN UP

- Check all PPE for damage. Repair or replace as needed.
- Clean the outside of the spraying equipment to remove soot and soils. This will help to prevent cross-contamination and will maintain your professional image on the next job.
- Rinse containers and extraction equipment to remove product residues and waste water. Be sure to dispose waste water properly. Never dispose into surface waters, on the ground or into a storm drain.
- Flush the sprayer with detergent and then rinse with water to remove any product residue. Empty water from the sprayer, especially in cold climates where freezing is possible.
- Wash hands after using the product.

**SAFETY CONSIDERATIONS**

- **IMPORTANT:** The odor of this product may be irritating to some persons with allergic sensitivity. It is recommended to allow occupants to “sniff test” the product prior to application. For “sniff testing” prepare the ready-to-use solution and dip a note card or business card into the solution. Allow occupant to “sniff” both wet and dried solution. Obtain permission from occupants prior to product application. Individuals may reoccupy treated spaces when they feel physically comfortable and/or upon advice of their consulting physician.
- Keep children and pets away from chemical products, equipment and the work area.
- Read the Material Safety Data Sheet (MSDS) for any chemical product before using it. You can obtain the MSDSs for ProRestore Products from your distributor or from *ProRestoreProducts.com*
- Be sure electrical equipment including plugs and extension cords are in good condition.
- Be sure to wipe any surfaces where there has been a spill of the product
- Wash hands after using the product.
- Be sure to use personal protective equipment. Depending on the nature of the damage in the building, this could include hard hats, heavy soled shoes, full protective suits or aprons. In every instance when spraying solutions overhead or in your breathing zone you should use eye protection, gloves and respiratory protection. If using ultra sonic cleaning equipment, remember that is equipment generates significant noise. Use hearing protection anytime the generator is activated.

**Where to use:** Water-cleanable electronic components. Do not use on items damaged by water, alkali or glycol solvents.

**ADDITIONAL REFERENCES**

- User Guides and Material Safety Data Sheets (MSDS) for all ProRestore Products are available at ***ProRestoreProducts.com***
- Odor Removal Manual, Unsmoke / Microban Field Guide and Restoration Technology Manual (order separately from your distributor) for comprehensive odor management techniques.
- Restoration Sciences Academy Odor Certification Classes. For location and scheduling of classes, go to ***ProRestoreProducts.com***.
- For technical support call 800-332-6037 (USA) or 800-233-6037 (Canada)
- For medical advice related to exposure to this product, call Infotrac at 800-535-5053 (USA and Canada) / 352-323-3500 (worldwide).

**DEGREASE-ALL E TECHNICAL DATA**

Sold as	Case of four x 1 gallon bottles (3.8 L) Case of 12 x 1 quart bottle ( 0.9 L)
Re-order numbers	161242EEE case (4 x 1 gallon) 161249EEE quart case (12 quarts)
Color	Colorless
Odor	Ammonia, glycol solvent
Appearance	Transparent liquid
Flash point	> 200° F (93° C)
Specific gravity	1.03
Density	8.6 pounds per gallon
pH of concentrate	11.6
VOC content	Less than 5%
Phosphate content	Less than 2%
Non volatile matter	Approximately 6%
Surfactant type	Nonionic
Storage	Protect from freezing.