



## **ODORx® Thermo-2000™** **FOR PROFESSIONAL USE ONLY**

**Instant-acting air freshener   Highly effective odor counteractant   For thermal fogging**

### **BACKGROUND**

Thermo-2000 is an essential component in the Three Step Odor Control System. Thermo-2000 is a unique water-based, thermal fogging product for treating odors during the final step of this system. Thermo-2000 consists of highly purified glycol solvents, penetrating agents and odor control essential oils. These substances generate a vapor barrier that prevents malodors from finding their way into the atmosphere. The thermal fogging process uses heat to produce micron size particles. Particles of this size have several advantages:

- They have extremely large surface area that adsorbs contaminants.
- Particles are sufficiently small to enter the tiny crevices on every surface in the room where the odor exists.
- Micron size particles remain suspended in the air for a sufficiently long time so that they can interact with airborne contaminants.
- Thermal fog agglomerates small airborne particulates that are a source of malodors.

The cherry or neutral versions of Thermo2000 tends to be particularly effective at controlling the smoke odor derived from wood or paper; Kentucky Blue Grass (KBG) is recommended for synthetics such as plastic and rubber and citrus for odor from protein (e.g. meat, poultry, fish) fires. Further details are available in the Unsmoke Odor Control Manual.

**Note: Thermo-2000 is intended for thermal fogging only.**

### **ITEMS NEEDED**

- Thermo-2000
- **9-D-9™** or **Double-O™**
- Compression or electric sprayer.
- **Crystal Odor Counteractant (C.O.C.™)**
- **Unsoot Encapsulant™** (optional)
- **Last Resort™** (optional)
- Airless paint sprayer (optional)
- Adequate supply of clean cloths and a plastic bag for the storage of soiled cloths
- Measuring cup
- Thermo-Gen™ or Electro-Gen™ 2000 Thermal Foggers. (Note: the Electro-Gen is NOT recommended for use with Thermo-2000. Use the Electro-Gen 2000.)
- Air mover for ventilation
- Extension cords as required to provide power for the electrical equipment

### **SYSTEM SUMMARY**

Read these steps before using the product.

**FOR BEST RESULTS IN SMOKE ODOR CONTROL PROCEDURES USE THE THREE STEP ODOR CONTROL SYSTEM.** This is a multistep approach to odor control and addresses a wide variety of odors in many different types of buildings.

**STEP 1:** Suppress odor sources by low pressure spraying with odor counteractant such as Unsmoke's 9-D-9 or Double-O. Refer to the labels for these products for more information. It is important that the odor counteractant solution come in direct contact with all contaminated surfaces that might be a source of odor. This provides an initial knockdown of strong, objectionable odors.

Technical Tip: Smoke odors in charred wood, attic insulation, and ceiling/wall voids may be contained by low pressure spraying with the following special mixture: Add the following to an empty 5 gallon (20 liter) pail: 1 gallon (4 liters) Unsoot Encapsulant, 1 quart (0.95 liter) 9-D-9 5 ounces (150 ml) Last Resort. Fill with enough water to make 5 gallons (20 liters). Covers 500 square feet per gallon (46 square meters per 4 liters).

**STEP 2:** Sprinkle 4 ounces C.O.C. (Crystal Odor Counteractant) per 200 square feet (120 ml. per 20 square meters) of floor area.

**STEP 3:** Apply thermal fogging. Prior to fogging, review directions below. . Be sure to ventilate the treatment area thoroughly before permitting the area to be re-occupied.

**FOGGING PROCEDURE**

1. Survey to determine the potential for exposure to sensitive individuals. Take special precautions to minimize exposure of potentially sensitive individuals. See special precautions.
2. Be sure that application equipment is in good working order. Determine the volume of the room so that you will know how much Thermo-2000 will be required to treat the area.
3. Turn off pilot lights and eliminate ignition sources and review UNSMOKE indoor fogging precautions as found in the Odor Removal Manual.
4. Evacuate humans and pets from treatment area. Post “Do Not Enter” signs.
5. Remove or protect food and utensils.
6. Cover materials potentially adversely affected by water based solvents.
7. Issue respirators to application personnel.
8. Best results are achieved when temperature of area to be treated is above 55°F (12.8° C).
9. Apply Thermo-2000 at rate of 0.5 to 1.5 fluid ounce per one thousand cubic feet (15 to 45 ml/ 28 cubic meters) of airspace.
10. Doors and windows should remain closed for 30 minutes after fogging.
11. Ventilate treatment area prior to re-entry or re-occupancy.

**SAFETY CONSIDERATIONS**

- Read the Material Safety Data Sheets (MSDS) before using. You can obtain the MSDSs from your distributor or download from [www.ProRestoreProducts.com](http://www.ProRestoreProducts.com)
- Extinguish all sources of ignition such as pilot lights and electrical sparks.
- 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 Thermo-2000.
- Wash hands after handling the product.

**ADDITIONAL REFERENCES**

- User Guides and Material Safety Data Sheets (MSDS) for all ProRestore Products are available at [ProRestoreProducts.com](http://ProRestoreProducts.com)
- Owner’s Manual for Thermo-Gen or Electro-Gen thermal foggers
- See the Unsmoke® Odor Control Manual, also at [ProRestoreProducts.com](http://ProRestoreProducts.com), for comprehensive odor management techniques
- Restoration Sciences Academy Certification Classes. For location and scheduling of classes, go to [ProRestoreProducts.com](http://ProRestoreProducts.com).
- For Technical Support 24/7, call 800-332-6037
- For medical advice related to exposure to this product, call Infotrac at 800-535-5053 (USA and Canada) / 352-323-3500 (worldwide).

**THERMO-2000 TECHNICAL DATA**

Sold as	Case of 4 one gallon bottles Case of 12 one quart bottles
Reorder nos.	433102901 Cherry (gallon / 3.8 L) 433106901 Cherry (quart / 0.9 L) 433102906 KBG (gallon / 3.8 L) 433106906 KBG (quart / 0.9 L) 433102909 Citrus (gallon / 3.8 L) 433106909 Citrus (quart / 0.9 L) 433102902 Fragrance free (gallon / 3.8 L) 433106902 Fragrance free (quart / 0.9 L)
Flash points	Cherry >200° F (93.3° C) KBG 232° F (111° C) Citrus >200° F (93.3° C) Fragrance free 200° F (93.3° C)
Color	Straw colored liquid
pH	5.0–7.0
Specific gravity / density	1.02 / 8.5 lbs. per gal. (1 gm/ mL)
*Citrus is particularly effective for neutralizing tobacco smoke odors.	