



Sapphire Scientific Amped Enzyme Booster Additive

FOR PROFESSIONAL USE ONLY

Natural enzymatic action Effective attack on organic soils Economical: use only if needed

BACKGROUND

Amped Enzyme Booster is an additive used in conjunction with **Surge Heavy Duty Traffic Lane Cleaner**

Enzymes are a very broad class of biomolecules. All living beings use enzymes every moment to keep their biological systems operating properly. Industry has found practical uses for enzymes. The food industry, for example, uses meat tenderizer, an enzyme-based product. The cleaning trades have selected a specific group of enzymes that are effective at dissolving a wide variety of organic soils and odors including cooking oils and greases, blood, urine, and protein stains. Enzymes attack these larger molecules and break them down into smaller, more easily dissolved fragments.

Enzymes are most effective in these conditions:

- They require time to work. For best results, use this class of product in the prespray part of the process. This allows adequate dwell time for the enzyme-fortified detergent solution to break down the soils.
- Enzymes tend to be more effective in warmer temperatures.
- Enzymes can be deactivated by extreme pH conditions or by a variety of other chemicals. It is important, then, to use the product according to label directions. Do not use enzyme booster alone, and do not add enzyme booster to any product except **Surge Traffic Heavy Duty Lane Cleaner**.
- Enzymes can attack natural materials such as wool, cotton or linen and are not recommended for use on these materials.

ITEMS NEEDED

Note: be sure all equipment operates properly before arriving at the customer's location

- **Cleaning products: Surge Heavy Duty Traffic Lane Cleaner, Fiber Soft Rapid Rinse and Cleaner**
- **Additional products: DynaForce Concentrated Carpet Detergent**, foam suppressant or fabric protector (as needed)
- **Personal Protective Equipment (PPE)** as specified in the Material Safety Data Sheet (MSDS)
- **Supplies:** booties, carpet groomer, adequate supply of clean cloths and a plastic bag for the storage of soiled cloths, measuring cup, wet floor signs, corner guards, traffic lane protectors and furniture leg protectors as needed, empty 5 gallon pail to prepare stock solution
- **Equipment:** air movers (the DriEaz Studebaker AirPath is particularly useful in this application), vacuum cleaner (preferably a two motor upright), pressure injection or electric or pump up dispensers as desired for the job, either truckmount or portable extraction equipment as desired for the job

INSPECTION BEFORE PROCEEDING WITH CLEANING

Inspect the customer's carpet before doing any work. Note any of the following on your inspection report and discuss with the customer:

- Check compatibility of product with the carpet prior to use. This enzyme based product is not recommended for use on natural fibers such as wool, cotton, sisal or sea grass.
- Air flow and drying problems within the building
- Objects that might be damaged if in contact with wet flooring such as floor length window treatments, furniture legs or skirts. Be sure to protect these items.
- Access to the work area: be sure you have room to move equipment in and out without causing damage to walls and objects in the room.
- Check the area for fragile objects. Be sure these items are removed to a safe location per customer instructions.
- Inspect and make a note of carpet for any tears, bunching, burns or other damage, excessive wear, heavy staining or unusual odors. Review any issues with the customer before proceeding.

PROCEDURE

Read these steps before using the product.

When required for removal of organic soils, add **Amped** to the ready to use solution of **Surge Traffic Lane Cleaner**.

- Use an electric or pump up pressure sprayer. Add 1 ounce of **Amped** to each gallon of ready to use **Surge**. (8 mL per L)
- Be sure product is fully dispersed into the detergent solution. The solution will be turbid but the particles of the **Amped Enzyme Booster additive** should be fully dissolved
- Use **Surge Traffic Lane Cleaner** according to label directions.

TO CHECK AFTER COMPLETING CARPET CLEANING

- Enzymes degrade over time once diluted into a water solution. Prepare fresh solutions each day.
- Be sure to check for any overspray of detergent or water. Remove these spills promptly.
- Dispose of waste water properly. Do not dispose anywhere but to a sanitary water treatment system.
- Rinse equipment to remove detergent residues. These residues can interfere with valves or spray jets.
- Establish adequate airflow either through the use of airmovers or open windows or doors. Instruct the customer on the importance of maintaining airflow until the carpet is fully dry.

SAFETY CONSIDERATIONS

- Keep children and pets away from your work area, from cleaning products and from your equipment.
- Slip hazards can occur when stepping from wet carpet onto smooth, hard surface floors such as vinyl or ceramic. Place wet floor warning signs in the work area as needed.
- If using a truckmount style extractor, remember that water supply lines and fittings will get very hot. This heat can damage lawns and some types of carpeting. The heat can also burn the skin.
- If you will treat carpet that is contaminated with blood or body fluids, be sure to follow the safety procedures outlined by the U.S. Occupational Safety & Health Administration. The link found below provides a source to this information.
- Read the Material Safety Data Sheets (MSDSs) for all products before using them. You can obtain the MSDSs from your distributor or from www.sapphirescientific.com
- Use the personal protective equipment specified in the MSDS.
- In case of exposure to the product, call 800-535-5053 for advice

ADDITIONAL REFERENCES (available at www.sapphirescientific.com)

- Sapphire Scientific Carpet Care Manual
- User Guides for all Sapphire Scientific Products
- Material Safety Data Sheet for all Sapphire Scientific Products
- For information on the OSHA Blood Borne Pathogen Standard (29 CFR. - 1910.1030), go to www.osha.gov.
- For product sales or to locate a Sapphire Scientific distributor, call 800-932-3030.
- For technical support call 800-332-6037 (USA) or 800-233-6037 (Canada).
- For medical emergencies and emergencies related to exposure to a product call Infotrac at 800-535-5053 (USA & Canada) / 352-323-3500 (worldwide).

AMPED TECHNICAL DATA

Sold as	Case of six 2 pound bottles
Re-order no.	76-060
Color	Tan to grey
Odor	Slight
Appearance	Granules
Phosphate	Nominal
Volatile Organic Content (VOC)	None
Non-volatile content	100% by weight

Sapphire Scientific

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