

# Sapphire Scientific Surge Heavy Duty Traffic Lane Cleaner

FOR PROFESSIONAL USE ONLY

**Signature Fresh fragrance VOC compliant Superior cleaning**

## BACKGROUND

**Surge Heavy Duty Traffic Lane Cleaner (TLC)** is a general purpose detergent prespray. It is used in the prespray and rinse extract mode on both moderately and heavily soiled carpeting. It is recommended for use on water cleanable carpeting. **Surge TLC** is compatible with both portable or truckmount extraction systems. The product includes water conditioning agents, surfactants, alkaline builders, water soluble solvents and corrosion inhibitors.

**Surge TLC** is moderately alkaline with a ready to use pH of less than 10 so it is suitable for use on stain resist carpeting.

**Surge TLC** is compatible with **Amped Enzyme Booster Additive**. This booster is used to remove organic soils from the carpet.

### The process is simple.

For lightly soiled carpet:

1. Pretreat with **Surge**
2. Extract using **Fabric Soft Rapid Rinse and Cleaner**

For heavily soiled carpet:

1. Pretreat with **Surge**
2. Extract using **DynaForce Concentrated Carpet Detergent** followed by neutralizing with **Fabric Soft Rapid Rinse and Cleaner**

## ITEMS NEEDED

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

- **Cleaning products:** **Surge, DynaForce Concentrated Carpet Detergent, Fabric Soft Rapid Rinse and Cleaner**
- **Additional products:** **Amped Enzyme Booster Additive**, 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 Dri-Eaz Studebaker AirPath is particularly useful in this application), vacuum cleaner (preferably a two motor upright), electric or pressure or pump up dispensers as desired for the job, either truckmount or portable extraction equipment as desired for the job.

**PRETESTING:** Check compatibility of product with the carpet prior to use.

## INSPECTION

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

- 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.

## PREPARATION OF SOLUTIONS

### Tech tips:

- Be sure to replace the cover or cap on the container after dispensing the product. This prevents volatile components of the product from being lost.
- Add the concentrate to the water rather than water to the concentrate as much as possible. This will reduce foam inside the container.

### Directions to prepare ready to use (RTU) solutions

- For use with high pressure dispensers: mix 2.25 quarts (2.16 L) **Surge** with enough water to fill the 5 quart container. Use warm water.
- To dispense using pump-up pressure or electric sprayers: Add 6 ounces of **Surge** to enough water to make one gallon of RTU solution (47 mL per L)
- When cleaning carpets with heavy amounts of organic soils such as grease, protein, include **Amped Enzyme Booster Additive** according to label directions. Allow adequate dwell time after prespraying to allow the enzyme to attack the organic soils.

### Use instructions:

1. Preinspect / pretest / pretreat spots as needed.
2. Vacuum the carpet thoroughly.
3. Apply RTU solution at rate of 0.5 gallons per 100 square feet of carpet. (2 L per 10 M<sup>2</sup>)
4. Allow 15 minutes dwell time, but do not allow the carpet to dry.
5. **For lightly soiled carpets:** rinse extract with **Fiber Soft Rapid Rinse and Cleaner**. Follow label instructions for this product.  
**For heavily soiled carpets:** rinse extract using **DynaForce Concentrated Carpet Cleaning Detergent**, then neutralize with **Fiber Soft Rapid Rinse and Cleaner**. Follow label instructions for these products.
6. Use ventilation as needed to assure that the carpet will dry quickly.

## CLEANUP

- Be sure to check for any overspray. Remove these spills promptly.
- Dispose of waste water properly. Do not dispose anywhere but to a sanitary water treatment system.
- Rinse equipment to remove product residues; these residues can interfere with valves or spray jets.

## SAFETY CONSIDERATIONS

- Keep children and pets away from your work area, from cleaning products and from your equipment.
- 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.
- 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](http://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](http://www.sapphirescientific.com))

- Sapphire Scientific Carpet Care Manual
- User Guides for all Sapphire Scientific Products
- Material Safety Data Sheet

## SURGE TECHNICAL DATA

Sold as	Case of 4 x 1 gallon (3.8 L) bottles
Reorder no.	76-040
Color	Blue
Odor	Mild fragrance and solvent
Appearance	Transparent liquid
pH of ready-to-use:	8.6
Surfactant type	Nonionic
Contains phosphate?	Yes
Volatile Organic Content (VOCs)	Less than 1%
Non volatile content	15% by weight

## Sapphire Scientific

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