

# TECHNICAL DATA REPORT

HS 5626

## BGST

### Brick, Granite, Sandstone and Terra Cotta Cleaner

#### DESCRIPTION:

BGST is a semi-viscous liquid which has been formulated specifically for cleaning heavily soiled bricks, terra cotta, granite, sandstone or masonry surfaces.

#### PURPOSE:

BGST will remove heavy accumulations of dirt, hydro-carbon soils, algae and rust stains and restores the surface being cleaned to its natural beauty.

#### HOW TO USE:

Always conduct a small patch test first. Certain types of face bricks require the product to be diluted with up to three parts water. Glazed brick or terra cotta should be tested with BGST diluted with four to five parts water or use an alkaline cleaner such as Melrose's LMP. The only way to determine the best mixture is to conduct patch tests on the brick to be cleaned. After rinsing the patches, allow them to dry thoroughly and observe for:

- A: The cleanliness of the patch **AND**
- B: Any discolouration or whitening of the brick.

Whitening indicates the cleaner is too strong and must be cut with water.

Apply the BGST solution by brush, spray or roller. Start at the bottom of the structure and apply an even coating. After a dwell time of twenty to thirty minutes the product can be rinsed off with a high pressure rinse. Treatment of heavy rust stains may require a second application and an increase in the dwell time of up to thirty minutes. Our experience indicates that best results are obtained if the product is sprayed on about 30 psi and rinsed with a 5 PPM nozzle at 1500 psi.

BGST contains a small percentage of fluoride, necessary to clean the silicon oxides in the brick, granite or masonry. So long as it is not left on glass for a prolonged period of time, it will not etch. However, since the possibility of etching the glass does exist, particularly soft plate glass, it is our firm recommendation that glass windows and doors be masked or coated with Melrose's PEEL COTE.

#### MAIN USERS:

Building renovation contractors

#### ADVANTAGES:

- 1) Safer than straight muriatic acid for workers.
- 2) A larger area can be worked on than with muriatic acid, since the product will not dry-out on the masonry.
- 3) Will not leach vanadium and other metallic contaminations from masonry and redeposits them as coloured stains.
- 4) Will not etch non-masonry surfaces such as architectural aluminum, painted surfaces, etc.
- 5) Biodegradable.

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**PRECAUTIONS:**

Avoid contact with skin, eyes and clothing. Do not mix with any other chemicals. If in contact with skin, flush with water for 15 minutes. If in contact with eyes, flush with water for 15 minutes and get prompt medical attention. If ingested, drink large quantities of water. Do not induce vomiting. Call a physician promptly. Keep out of reach of children. Read Material Safety Data Sheet.

**SPECIFICATIONS:**

pH ..... 1.0 - 1.2  
Density at 20°C ..... 1.15 - 1.19  
Physical Form ..... Clear liquid  
Colour ..... Slightly yellow  
Odour ..... Acid  
Stability ..... Stable between -17°C and 55°C  
Compatibility ..... Do not mix with other chemicals