

Technical Data Sheet

BC Tec Cleaner-1

Acid-Based Concrete & Equipment Cleaner

1. Product Description

BC Tec Cleaner-1 is a specially inhibited, colored liquid acid cleaner with a pleasant odor. It is a safer replacement for traditional muriatic acid, producing virtually no fumes and remaining non-aggressive to most paints, coatings, and finishes.

Designed for heavy-duty professional cleaning, it effectively dissolves cementitious deposits and mineral buildup without damaging equipment surfaces.

2. Features & Advantages

- Ready-to-use formulation for concrete equipment
- Safe alternative to muriatic acid—low fumes and reduced surface damage
- Contains corrosion inhibitors to minimize attack on metals
- Effective detergent action removes oil, grease, scum, and grime
- Suitable for steel, painted surfaces, and masonry
- Fast-acting cleaning action reduces maintenance time

3. Basic Uses

BC Tec Cleaner-1 is used for:

- Removing concrete and cement buildup from ready-mix trucks, mixers, pumps, trowels, and forms
- Cleaning metal or enamel surfaces affected by mineral deposits
- Removing mortar smear from bricks, blocks, masonry, and exposed aggregate panels (when diluted)
- General industrial cleaning where cement-based materials must be dissolved safely



4. Directions for Use

A. Removing Concrete Buildup (Ready-Mix Trucks & Equipment)

1. Apply BC Tec Cleaner-1 using a stiff brush or spray system.
2. Allow reaction for 5–10 minutes—avoid splashing or spattering.
3. Brush the loosened concrete and residues.
4. Rinse thoroughly with clean water.
5. For heavy or aged concrete buildup, a second application may be required.

B. Cleaning Brick, Masonry, Tile, or Mineral Deposits

1. Dilute the cleaner as follows:
 - o 1 part BC Tec Cleaner-1 : 1–2 parts water
2. Pre-wet the masonry surface thoroughly.
3. Apply diluted cleaner uniformly with brush or sprayer.
4. Allow short reaction time, then rinse thoroughly with clean water.
5. Do not allow product to dry on the surface before rinsing.

Recommendation: Wear rubber gloves and protective gear during application.

5. Storage & Shelf Life

- Store in tightly closed original containers away from heat and direct sunlight.
- Keep in a cool, dry, and well-ventilated area.
- Shelf Life: 12 months in unopened condition.
- Do not store near alkalis, oxidizers, or incompatible materials.

6. Safety & Handling

BC Tec Cleaner-1 contains hydrochloric acid and must be handled with care.

Precautions:

- Avoid breathing vapors.
- Avoid contact with eyes, skin, and clothing.
- Use with adequate ventilation.
- Keep out of reach of children.





First Aid Measures:

- Skin Contact: Rinse immediately with water and soap.
- Eye Contact: Rinse continuously with water for at least 15 minutes; seek medical attention immediately.
- **Ingestion:**
 - Do NOT induce vomiting.
 - Give large quantities of water.
 - Give milk of magnesia, beaten egg whites, olive oil, or milk.
 - Seek medical assistance immediately.

DISCLAIMER

The data presented in this sheet are based on laboratory testing and practical experience. Variations in substrate, application method, and environmental conditions may impact performance. Users are advised to carry out tests under their own conditions. Building Chemistry Industry's responsibility is limited to the product replacement in cases of proven manufacturing defect.

