



# TETRA-CHEM INDUSTRIES LTD.

271 INGERSOLL ST. S.  
INGERSOLL, ONTARIO  
CANADA N5C 3J7

TEL: (519) 485-4370  
TOLL FREE: (888) 658-5515  
FAX: (855) 762-4446  
EMAIL: [info@tetra-chem.com](mailto:info@tetra-chem.com)  
WEB SITE: [www.tetra-chem.com](http://www.tetra-chem.com)

SPECIALTY CHEMISTRY

WASTE MANAGEMENT

APPLICATION TECHNOLOGY

INNOVATIVE ENGINEERING

## Product Application Presentation

Product Identifier:

# TCI 777 H.D.

Process Identifier: Brushless biodegradable vehicle wash & shine super concentrate (safe on polished aluminum)

### Product Presentation

Advanced Heavy-Duty Cleaning Solution

Innovative Brushless Cleaning Technology

**TCI 777 H.D.** revolutionizes industrial and transportation cleaning with a super-concentrated, eco-friendly liquid formulation. Its cutting-edge brushless cleaning concept eliminates the need for abrasive scrubbing while delivering unmatched cleaning power.

Powerful active ingredients & Environmentally Responsible Phosphate Free Technology combines biodegradable detergents, high-performance sequestering agents, and grease-cutting alkalies for superior cleaning.

Formulated with the most environmentally friendly chemistry—safe for users and the planet.

Versatile & Adjustable Strength

Water-dilutable concentration adapts to varying soil levels—from light grime to heavy grease and industrial buildup.

- Ideal for trains, trucks, aggregate trailers, utility vehicles, aircraft, ships, agricultural equipment (livestock carriers, dry feed carriers), buses, RVs, and more.

- Effective at ambient temperatures, reducing energy costs.

Choose **TCI 777 H.D.** its safe for all surfaces

- Leaves no residual chemical activity when used as directed.

- Compatible with metals, plastics, glass, rubber electrical components, composites and painted surfaces.

High-efficiency cleaning without brushing or excessive labor.

Eco-conscious formula with biodegradable ingredients that meet local sewer discharge parameters and limits.

Cost-effective—super-concentrated, high solids for extended use.

Trusted across the transportation industry for reliability and performance.

### Process Introduction

**TCI 777 H.D.** is engineered for brushless vehicle washing at TRUCK WASH FACILITIES and MOBILE OPERATIONS when used with the manufacturer's approved chemical proportioner system (see brochure). The process is simple yet highly effective:

#### 1. Proportion & Spray or Foam

- Applied as a light mist via a "ON the SPOT" Dosatron proportioner or foamed using a foam generator for fast optimal coverage.

- The pre-diluted solution penetrates and breaks down tough soil matrices instantly.

#### 2. High-Pressure Water Rinse

- After a brief dwell time, a high-pressure (2500–3000 psi) cold or warm water rinse effortlessly removes contaminants.

- No scrubbing required—reducing labor and risk of surface damage.

#### Exceptional Cleaning Performance

- Removes heavy buildup of:

- Bugs, road film, lime dust, and oxides (safe for acid-sensitive surfaces).

- Oil, grease, mud, and grime without harsh scrubbing.

- Rinses completely, leaving no harmful residues safe for aluminum, paint and delicate surfaces over time.

#### Enhanced Surface Finish

- Boosts light reflectivity, leaving behind a rich, luxurious sheen for a showroom-quality finish.

**Ideal for Well water or Municipal water that is pretreated with Water Softeners.**

**TCI 777 H.D.** delivers superior cleaning with minimal effort — maximizing efficiency while protecting surfaces.

The prespray or foam is in the pH range where it is not necessary to rinse with Reverse Osmosis water. It is recommended for additional brilliance.

### Process Specificity

Dilution & Application of **TCI 777 H.D.**

Flexible Concentration: Premix 5 – 20 L of concentrate with 200 – 180 L of water, manually or via a variable manual "ON the SPOT" concentration DOSATRON metering system.

- Dilution ratio adjusts "ON the SPOT" based on:

- Soil complexity (light grime to heavy encrustation).

- Wash frequency and accumulated buildup.

- Optimal Performance:

For streak-free results, use a 30:1 water-to-product ratio.

Compatible Surfaces

Safe and effective for:

- Painted surfaces, chrome, glass, mirrors.

- Ferrous & non-ferrous metals (steel, copper).

- White metals (aluminum, magnesium)—no tarnishing of Alcoa wheels, fuel tanks, or truck accessories.

- Stainless steel and sensitive finishes.

Efficiency & Results

- Rinse with cold/warm water (4 – 8 GPM, 2500–3000 psi) for fast, labor-saving cleaning.

- No residue, streaking or water spots—even on chrome, glass, and mirrors.

- Unaffected by low water hardness or dissolved solids.

- Thermally stable: Will not "oil-out" detergents when rinsed with hot water.

Product Safety - Read SDS prior to use.

Contains mild alkalies and biodegradable surfactants.

Handling Precautions

- Avoid ingestion.

- Skin contact: Flush with water immediately; prolonged exposure may cause irritation.

- Eye contact: Rinse thoroughly for 15 minutes; seek medical attention if irritation persists.

- Environmental note regarding Waste Water:

Formulated for effective yet eco-conscious cleaning with full compliance of sewer discharge in Canada and most states in the USA.

## Packaging: 004, 020, 205, 1,000 litres



**Before: Courtesy of Home Hardware  
St. Jacobs, ON**

**After: Courtesy of Home Hardware  
St. Jacobs, ON**



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