

# **XTREME**

## **RAPID TRANSIT<sup>®</sup>**

### **MASS TRANSPORTATION BUS, TRAIN, TRAM AND TRUCK WASHING CLEANER**

#### **PRODUCT DESCRIPTION:**

XTREME RAPID TRANSIT is a mega concentrate, custom designed for the mass transit industry. XTREME RAPID TRANSIT is formulated to remove road film, grease, road salts and other hard to remove soils from all types of vehicle surfaces. XTREME RAPID TRANSIT is ideal for brushless and automatic wash systems. XTREME RAPID TRANSIT is a water thin clear blue liquid concentrate with a pH ranging from 11.5 to 12.5.

#### **SUPERIOR/ECONOMICAL CLEANER:**

With a mixture of specially blended surfactants and sequestering builders, XTREME RAPID TRANSIT exhibits excellent cleaning characteristics at extremely low dilutions. Use XTREME RAPID TRANSIT at lean, budget friendly dilutions ranging from a ¼ oz. to 1 oz. per gallon. XTREME RAPID TRANSIT is also formulated to clean without hot water dependence. Hot water requires increased fuel and energy costs to heat the water. Energy conservation through cold water cleaning provides an additional cost cutting measure.

#### **AIDS BRUSH LUBRICITY:**

Sensitive decals, stickers, and lettering can be removed due to high brush friction during the cleaning process. XTREME RAPID TRANSIT's surfactants and foam profile aid brush lubricity. This feature is an important factor when the product is used in automatic brush wash systems.

#### **VERSATILE AND SURFACE SAFE...ONE CLEANER FOR MANY TASKS!**

Any surface not harmed by water may be cleaned with XTREME RAPID TRANSIT. XTREME RAPID TRANSIT may be used at light dilutions to clean floors, seats, and railings found inside most public transportation vehicles. At stronger, heavy-duty dilutions, XTREME RAPID TRANSIT may be used to degrease engines blocks.

Non-flammable, it can be safely used on warm engines.

XTREME RAPID TRANSIT is phosphate free and formulated without harsh solvents or corrosive acids. XTREME RAPID TRANSIT does not produce irritating fumes or odors and effectively removes low to medium soil loads when used in pressure washing equipment. XTREME RAPID TRANSIT dries film free, spot-free and is non-streaking when used as directed.

**XTREME RAPID TRANSIT ALUMINUM CORROSION TEST**

**Method:** Aluminum strips were immersed in various dilutions for 16 hours at room temperature with the following results:

<b>Dilution</b>	<b>Effect on Aluminum</b>
1:4	No discoloration
1:10	No discoloration
1:12	No discoloration
1:16	No discoloration
1:30	No discoloration
1:100	No discoloration

**Conclusion:** XTREME RAPID TRANSIT is safe to use on aluminum at dilutions up to 1:100 for long contact time. With short contact time (less than 30 minutes) and at room temperatures followed by a water rinse, no problems with aluminum should occur at any dilution.

**WILL NOT PIT ALUMINUM:**

XTREME RAPID TRANSIT’s formulation is a mixture of specially blended surfactants, sequestering builders and corrosion inhibitors that allow the product to be used safely on aluminum surfaces. With the lack of corrosive acids or harsh solvents, XTREME RAPID TRANSIT will not pit, darken, or discolor aluminum surfaces. It is important, however, to understand the nature of aluminum and how cleaners affect it.

Aluminum is used in many applications where a strong, light weight and relatively corrosion free material is required. As an example, aluminum is often used in place of unprotected steel since unprotected steel rusts very rapidly. Aluminum is quite reactive with oxygen but its oxide is white or gray and is not normally noticeable or objectionable.

Aluminum is readily attacked by both acid and alkaline solutions. One method to clean aluminum is to dissolve the surface. There are cleaning applications, however, where this is not acceptable and products used must be formulated at near neutral pH or the formulas must incorporate corrosion inhibitors.

Discoloration is a major problem in aluminum cleaning. As an example, when you put an aluminum pie plate in an automatic dishwasher rinse cycle a couple of times without detergent, brown to black discoloration occurs. Even when detergent containing a corrosion inhibitor is used, discoloration can occur depending on the dilution used.

The reason discoloration occurs is not fully known. Different ingredients in a formula can contribute to or cause slightly different discoloration. As a consequence, it is very difficult to predict what will happen unless all the conditions of time, temperature and detergent are known. While the test data shown in this bulletin specifies the time, temperature and detergent considerations of XTREME RAPID TRANSIT, it's always best to pretest in an inconspicuous area if there is any question.

**THE VERSATILITY OF XTREME RAPID TRANSIT BENEFITS THESE USERS:**

City, State & County Transit Systems	Post Office
Industrial Laundry Service Vehicles	School Transportation Systems
Parcel Delivery Firms	Gasoline, Electric And Water Company
Truck Lines	Bottling Companies
Railroads	Mobile Washing Service Units
Subway Systems	Recreational Vehicle Sales/Service
Trams/Monorails	Truck Leasing/Rental Fleets

**DIRECTIONS FOR USE:**

Some individuals may be sensitive to ingredients in this product. Before use, read product label and MSD sheet. If questions remain, consult your employer or a physician.

**Automatic Wash Systems:**

Use at 1/2 oz. per gallon dilution (4 ml/l) under normal cleaning circumstances. For light duty soils, use at 1/4 oz. per gallon (2 ml/l). For heavy-duty soils, 1 oz. per gallon (8 ml/l) may be used. Rinse thoroughly. For best results when heavy soil conditions exist, pre-scrub rocker panels, front and back of bus with hand brush.

**Pressure Washing:**

Dilute 1:50 (2-1/2 oz. / gal. or 20 ml/l of water). Rinse thoroughly.

**Engine Cleaning:**

In some cases, strong dilutions of XTREME RAPID TRANSIT (1:10 to 1:25) can be used to clean engines. Apply through a sprayer or pressure washer and rinse thoroughly.

**Manual Cleaning:**

When using XTREME RAPID TRANSIT in a bucket for manual hand washes, dilute at 1:128 (1 oz. /gal. or 8 ml/l of water). Rinse thoroughly.

**Aluminum Cleaning:**

XTREME RAPID TRANSIT contains an aluminum corrosion inhibitor which protects aluminum when used undiluted and up to dilutions of 1:256. For best results dilute XTREME RAPID TRANSIT at 1:128 (1 oz. per gallon). Rinse thoroughly.

**SPECIFICATIONS:**

Specific Gravity – 1.038 @ 24°C / 75°F

Viscosity – Water Thin

pH (concentrate) – 11.5 – 12.5

Density – 8.64 lb./gal.

Solvents – None

Flash Point – 212°F

Miscibility – Completely in all proportions with hot or cold water

Stability –

- Shelf @ 24°C / 75°F – One year
  - Accelerated @ 49°C / 120°F – 90 Days
  - Freeze/Thaw – One complete cycle
- Biodegradable/Phosphate free

**PACKAGING:**

XTREME RAPID TRANSIT is packaged in the 330-gallon reusable totes; 275-gallon recyclable totes; attractive HDPE (High Density Polyethylene) 55, 30 and 15-gallon drums; 5-gallon pails; and gallons, four per case. Label copy is provided in English, Spanish and French. Secondary labels are also available.

**Be sure to read all Directions, Precautionary and First Aid Statements on product labels before use of this or any Spartan product. If questions remain, consult your employer or a physician. Material Safety Data Sheets for all Spartan products are available from your authorized Spartan distributor or by visiting [www.spartanchemical.com](http://www.spartanchemical.com).**

**GUARANTEE:**

Spartan's modern manufacturing and laboratory control insure uniform quality. If dissatisfied with performance of product, any unused portion may be returned for credit within one year of the date of manufacture.