4WD Hi

TECHNICAL BULLETIN

ALKALINE PRESOAK - RECLAIM COMPATIBLE

A high-performance alkaline cleaner engineered primarily for touch-less vehicle wash applications where powerful cleaning is required without relying on mechanical friction. Its concentrated alkaline chemistry penetrates and loosens stubborn road film, traffic grime, oils, grease, bug residue, and other organic soils from vehicle surfaces. Designed as a powerful component of a two-step touch-less cleaning process, 4WD Hi works harmoniously when used as the second step when paired with a high-performance acidic cleaner such as our 4WD Lo, Clarity or Rock'n Lo as the first pass.

4WD Hi also performs exceptionally well in automatic friction washes, where its strong cleaning action complements mechanical agitation to loosen and remove stubborn soils and bug remains from vehicle surfaces, tires and wheels. Its reclaim-compatible formulation makes it an excellent choice for high-volume wash facilities that capture and reuse wash water while demanding excellent cleaning, foaming, and rinse performance..

Advantages:
Reclaim Compatible – Anionic free system, keeps water cleaner and odor free.
Hard Water Tolerant – Prevents scaling in 8-10 grain hard water up to 1:400.
Strong Alkalinity – No need to boost this product, over takes strong acids without using more product.
Versatile – Use for low-high pressure pre-soak, tires, wheels and bug remover.
Premium Detergency – helps remove oily grime, faster wetting, easy rinsing-fast crashing foam.
Highly Concentrated – Excellent performance at economical use rates.
Clog & Build-Up Free – Application and car wash equipment stays cleaner longer when used as directed.

DIRECTIONS FOR USE

Touchless Pre-Soak (2-Step Process Lo / Hi):
Using a Hydrominder® 506/511, dilute 1:120-200, or inject 45–65 mL of concentrate into a 1.5–3 GPM water stream as the 2nd Pass.

Automatic Friction Vehicle Wash "Pre-Soak" using Nozzle Arch, K-Stick or Shower Head Applicator:
Using a Hydrominder® 506/511, dilute 1:360-600, or inject 6–15 mL of concentrate into a 1.5–3.25 GPM water stream.

HP Foam Cannon:
Add 3-6 oz into 24 oz bottle and fill with soft water and attach to the high pressure wand. Apply to the surface and allow that to dwell for 30-60 seconds. Best if applied over top of an acid for a 2-step effect. Then remove with high pressure water (1250-2000 psi) keeping nozzle 8-10" away from surface.

Wheel & Tire CTA:
Using a Hydrominder® 506/511, dilute 1:48-120, or inject 6–15 mL of concentrate into a .5–1.5 GPM water stream per vehicle.

Bug Remover:
Using a Hydrominder® 506/511, dilute 1:80-150, or inject 4–10 mL of concentrate into a .5–1.5 GPM water stream per vehicle.

Do not use on polished aluminum. Dilute with soft water heated to 90-130 F for best performance. Do not exceed 1:400 dilution in 8-10 grain hard water.

PROPERTIES

PHYSICAL FORM: Liquid	**SPECIFIC GRAVITY:** 1.35--1.40
COLOR: Amber-Brown	**SOLUBILITY IN WATER:** Complete
PH: 13-14	**RECLAIM COMPATIBLE:** Yes
ODOR: Amine like	**HAZARDS:** Corrosive

STOCK NUMBER: QW-0114

TECHNICAL DATE: 08/01/26

Clean, dry & shiny...
Magnified!