



## Technical Data Sheet

### - BRIEF DESCRIPTION -

*Neutrad is the perfect safer alternative to old-fashioned caustic soap powders in every manual-scrub cleaning procedure! An instantly soluble liquid detergent concentrate with near neutral-pH, Neutrad is substrate-safe and skin-kind. The phosphate-free nature of Neutrad, its inherent rinsability characteristics and broad-spectrum cleaning capabilities are advantages that make it suitable for all critical laboratory cleaning applications. It is phosphate-free, chlorine-free, biodegradable, and disposable straight to drain.*

### - USE PROCEDURE -

**Scrub.** Optimum scrub procedure is to prepare a 2% solution (approximately 2.5 ounces per gallon) in hand-hot water. Neutrad does not precipitate hard water salts so regular tap water may be used. Manually scrub until clean. Rinse thoroughly in warm water while still wet.

**Ultrasonics.** For use in ultrasonic tank, prepare a 5% solution. Immerse labware to be cleaned totally and sonicate for 5 to 30 minutes. Rinse thoroughly, while still wet.

### - pH PROBE CLEANING -

pH probes should not be cleaned in acidic or alkaline cleaning solutions. Neutrad has a near-neutral pH and is the agent of choice for cleaning pH probes.

Recommended procedure is as follows:

Prepare a 5% solution of Neutrad in deionized water. Agitate the contaminated tip of the probe in this solution for one or two minutes, then allow probe to stand in solution for 2-4 hours depending on the degree of contamination. Remove and immediately rinse thoroughly in deionized water.

### - RINSABILITY -

The phosphate-free nature of Neutrad, its inherent rinsability characteristics and broad spectrum

cleaning capabilities are advantages that make it suitable for all critical laboratory cleaning applications. Neutrad's near-neutral pH makes it a safer alternative to caustic soap powders.

Neutrad is a complex cleaning agent that contains non-ionic detergents. The rinsability test applicable to a non-ionic detergent will be effective in checking for the correct and total rinsing of any article that has been cleaned in Neutrad.

A Colorimetric Method for the detection of detergent residue has been developed by CHEMetrics, Inc. Neutrad can be detected as low as 0.25 ppm using the Detergent Kit Number K-9400. Further information can be found at [www.chemetrics.com](http://www.chemetrics.com) or Chemetrics Labs, Route 28, Calverton, VA 22016, (800) 356-3072.

### - PACKAGING -

950 mL (32 oz.) Squeeze Pack / 12 per case  
5 Liters (1.32 gal.) / 4 per case  
20 Liters (5.28 gal.) / each

### - CATALOG NUMBERS -

<u>Manufacturer</u>	<u>Item</u>	<u>Cat. No.</u>
Decon Labs, Inc.	950 mL (32 oz.)	3003
	5 L (1.32 gal.)	3001
	20 L (5.28 gal.)	3002

For Additional Technical Information call

Decon Customer Service

(800) 332-6647, or

See our website at [www.deconlabs.com](http://www.deconlabs.com)

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