

# Technical Bulletin

## LAB 495

### Heavy Duty Alkaline Spray Cleaner

#### Product Description:

Technically advanced alkaline spray washing compound for both ferrous and nonferrous metals.

LAB 495 is a free-flowing light brownish powder. LAB 495 contains components to suppress dusting and caking. LAB 495 was specially formulated for the metal working and automotive industries where spray cleaning is commonly practised. LAB 495 not only has superb cleaning ability but also excels in its rinseability. This makes this material specially suitable for cleaning prior to phosphating, because it eliminates alkaline carry over into the phosphate bath. Since LAB 495 contains no harsh free caustic, it is considered to be industrially safe for cleaning all metals - even aluminium and magnesium.

LAB 495 is described as a 'Quick Break Detergent' and has been tested to break within the 10 minute parameter.

#### Application:

- 1) Heavy duty detergency cleaning performance, yet industrially safe on all metals.
- 2) Non foaming under severe spray wash conditions such as high pressure, low temperature or soft water.
- 3) Safe for industrial use on aluminium and galvanised as well as all other common metals such as steel and magnesium.
- 4) Free rinsing.
- 5) Dissolves quickly to simplify recharging.
- 6) Added to sequestering agents to effectively handle hard water. LAB 495 can be added to the warm
- 7) Buffered to maintain effective cleaning through life of solution.
- 8) Contains no sodium hydroxide or free caustic.
- 9) Biodegradable, which enables direct sewage disposal, where effluent water pollution is a problem.

LAB 495 can be added to the warm circulating water from 10 grams to 28 grams per litre and heat to 71°C to 82°C.

**Pre-Clean:** We recommend, to extend the working life of the Lab 495, that heavy contamination of grease & oil should be removed with a water blaster prior to placing the items into the parts washer. This will reduce contamination in the tank & extend the products active life.

**SHELF LIFE:** As a quality assured manufacturer, Castle Chemicals has a stringent Quality assurance programme. As part of this regime, the label on this product shows a batch number and date of manufacture. This product has a shelf life of 24 months from the label printed date of manufacture. This information contained herein is based on data considered accurate. However, no warranty is expressed or implied regarding the accuracy of these data or the results to be obtained from the use thereof. Castle Chemicals assumes no responsibility for personal injury or property damage to vendees, users or third parties caused by the material. Such vendees or users assume all risks associated with the use of material.