



# Power Clean #399-LR

## **HEAVY DUTY STEEL CLEAN & DESCALE**

399-LR "liquid" is a heavy-duty metal cleaner for use in dip tanks and in spray washers. A super heavy duty alkali type product defined as an alkali descaler and surface decontaminant. Excellent removal of zinc phosphate and aluminum etching cleaner.

Particularly effective for removal of light rust, oxides, surface oxidation and descaling. 399-LR is a unique product which effectively performs difficult surface contamination removal prior to subsequent coatings.

399 is non foam. Removes phosphate coatings and is also used for removal of paints and coatings in hot stripper tanks. Ideal for purging iron and zinc phosphate washers clogged with sludge and mud. Ideal for purging iron and zinc phosphate washers clogged with sludge and mud.

## Features & Benefits

- High solids liquid.
- Super high alkali level.
- Non-phosphated and biodegradable.
- Meets automotive requirements as an effective descaler in phosphate coating lines.
- Long solution life.
- Easy control and use.
- For added grease and oil removal use additives CP-100 or Surfcon PP-1.

## Physical Data

pH	13
Product Type	Liquid
Spec. Gravity	1.461
lbs./gal.	12.18
Foam, 0 = Low, 9 = High	2
Shelf-Life Years	10 Years
Freeze Information	Not damaged by freezing



## Typical Processing

1. Spray wash & clean (oil & grease removal) Typical product = #1022.
2. Rinse or alkali descale in #399-LR at: 20%. 170 F., 60-90 sec.
3. Phosphate coat

### Alkali - Descale - Derusting:

1. Soak: 15-20% by volume. 200 F., 8-30 min.
2. Rinse, power spray
3. Anti-corrosion

### Paint stripping - coating removal:

1. Soak: 15-25% by volume. 200 F., time as required 1-2 hours. Agitation preferred.

## Packaging

Container Type	Plastic
Net Units	670
Tare Wt.	25 lb.
Gross Wt.	695
DOT_Name	UN 1824, Sodium Hydroxide Solution, 8, PG II
DOT Hazard	Corrosive
Tarriff ID	2815.12

## Use Parameters

Concentration Range	1-20% by volume
Temperature Range	120-210 F.
Time Range	As required
Agitation	When available

## Waste Disposal

Neutralize pH, remove fats, oils, grease and heavy metals.

## Holding Tank Materials of Construction

Steel, stainless, or poly.



## Other Information

It is important that the OSHA DATA, "Material Safety Data Sheet" be carefully read and reviewed with the users of this product. OSHA data is required to be posted in the work area by law.

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For more information on this process,  
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