

## Description

LPA-9 is a low-foam, slightly alkaline liquid detergent concentrate for use with Crest's Iron Phosphating Systems. LPA-9 performs at low temperature to remove a broad variety of soils including oil based soils. LPA-9 is formulated for use in the same tank as the iron phosphate. LPA-9 can be used in any size and type (dip or spray) wash system. It is especially useful in two and three stage wash systems where additional cleaner is sometimes necessary.

In addition to its application in phosphating operations, LPA-9 can be used as the only cleaner in a spray washer to remove light oil base soils.

- » Designed specifically for use with phosphating systems
- » Highly concentrated, and thus economical
- » Low foam characteristics, even at low temperatures
- » High penetrating power and detergency
- » Does not interfere with iron or zinc phosphate filtering systems
- » Safe on all metals
- » Environmentally safe: biodegradable, phosphate-free and baron-free. Does not contain any chromates, phenols or chlorinated hydrocarbons

## Method of Use

### Application Methods

- » Detergent Additive for spray or immersion tank.

### Mixing Instructions

- » Depends on amount and type of soils on the metal.
- » Normally, LPA-9 is controlled by visual inspection of the cleanliness of metal after final rinse.
- » Field testing will determine the necessary additions to the tank, usually 2 to 5 gallons per week.

### Application Instructions

- » Add product to the cleaning tank and run at a temperature of 110° to 160°F.

### Equipment

- » Mild steel may normally be used for tanks, spray, and heating equipment.
- » Avoid the use of brass/ bronze fittings, and valves.

## Caution

LPA-9 is an alkaline based material. Use with adequate ventilation. Avoid contact with skin, eyes and clothing. Face shields or goggles are recommended for personnel in contact with this product. Refer to product labels and Safety Data Sheets for precautionary and handling information.

### Warranty and Liability Disclaimer

The above information and recommendations concerning this product are based upon our laboratory tests and field use experience; however, since conditions of actual use are beyond our control, any recommendations, or suggestions, are made without warranty, expressed or implied. Manufacturer's and seller's sole obligation shall be to replace that portion of the product shown to be defective. Neither shall be liable for any loss, damage or injury, direct or consequential, arising out of the use of this product.