

# Aluminum Cleaner H.D. 120

## *Liquid Heavy Duty*

HD 102 is a low foam heavy duty alkaline detergent for washing aluminum and other metals and plastics or fine surfaces. it effectively attacks residues, greases, wax and difficult drawing lubricants. In addition, provides a brightening finish on surfaces.

HD 102 is an ideal product for sheet aluminum, zinc galvanize, hot milled steel and cast iron. Rinses freely with warm or cold water.

HD 102 can be used in many different types of processing operations where a bright finish product is preferred. Highly resistant to hardwater deposits of calcium and other scale producers. Extremely effective on all types of drawing lubes and compounds.

## Features & Benefits

- Non-etch, high performance for aluminum.
- Effective on ferrous and aluminum
- Use over a wide temperature operating range of 90-180 deg. F.
- Easily treated in wastewater treatment processes. Splits oils.
- Non-phosphate and biodegradable.
- No odors. Ideal product for pre-coating lines prior to paint and adhesives.

## Physical Data

|                         |                          |
|-------------------------|--------------------------|
| pH                      | 12.5                     |
| Product Type            | Liquid                   |
| Spec. Gravity           | 1.194                    |
| lbs./gal.               | 9.96                     |
| Foam, 0 = Low, 9 = High | 1                        |
| Shelf-Life Years        | 10 years                 |
| Freeze Information      | Not damaged by freezing. |

## Typical Processing

1. 3-4 stage power wash process:
2. 1-3 minutes, 110 -140 deg. F., 1-4% by volume.
3. Rinse, cool to warm or as needed.

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4. Optional rp rinse for ferrous metals
5. 5 stage clean & paint bond process: 1) hd 102 @ 2-3%, 115-160 f.), 2) rinse,
6. Optional zirconium or phosphate conversion treatments 4) rinse
7. D. I. Water rinse. To drying oven.

## Packaging

|                |                                                                                  |
|----------------|----------------------------------------------------------------------------------|
| Container Type | Poly                                                                             |
| Net Units      | 547                                                                              |
| Tare Wt.       | 25 lb.                                                                           |
| Gross Wt.      | 572                                                                              |
| DOT_Name       | UN1760, Corrosive Liquids, NOS, (Potassium Hydroxide, Sodium Silicate), 8, PGIII |
| DOT Hazard     | Corrosive                                                                        |
| Tariff ID      |                                                                                  |

## Use Parameters

|                     |            |
|---------------------|------------|
| Concentration Range | 1 – 5%     |
| Temperature Range   | As needed. |
| Time Range          | As needed. |
| Agitation           | Spray.     |

## 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,  
please call us at 203.756.5521 or email: [techservice@hubbardhall.com](mailto:techservice@hubbardhall.com)

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