

# Power Clean HDS 1023 Lo-Foam

## ***H.D. ALKALINE CLEANER***

HDS-1023 is a heavy duty, low foam, surface cleaner for steel, plastic, alloys of aluminum, and galvanize zinc surfaces. Can be considered for situations where low temp processing is necessary: 100 F. Film free rinsing. Excellent grease oil removal. Splits and floats oils for easy recovery.

HDS-1023 is a superior high-performance product which provides low cost of operation and premium quality. Provides flash rust protection. Long solution life for maximum low cost and productivity.

HDS-1023 attacks difficult oils, soils, greases, and other residue which can interfere with final processing. Superior performance when used to remove mill applied lubes and oil inhibitors.

## **Features & Benefits**

- Preferred for iron and zinc phosphating pre-treatment processes.
- Biodegradable and Non-Phosphated
- No odors.
- Low-foam (even at room temperatures of 100 F. or less)
- 100% film free rinsing in cold or warm water.
- Low use cost.
- Filterable and easily splits oils for recovery.
- Recommended for use prior to iron or zinc phosphatizing, bonding, or other in process manufacturing operations.

## **Physical Data**

pH	13
Product Type	Liquid
Spec. Gravity	1.11
lbs./gal.	9.26
Foam, 0 = Low, 9 = High	0
Shelf-Life Years	10 years
Freeze Information	Not damaged by freezing

## **Typical Processing**

5 stage pre-paint iron or zinc phosphating:

1) 1023, 2-4% by volume, 140 F., 90 sec., 25 PSI spray.



- 2) Rinse.
- 3) Conversion coating, bond guard series, 80-140F., 60-90 seconds, 3% B.V.
- 4) Warm rinse.
- 5) Final rinse, warm (optional, NCS-100 passivation or D.I. water).
- 6) Dry.
- 7) Send to coating or processing.

## Packaging

Container Type	Poly-55
Net Units	509.25
Tare Wt.	25 lb.
Gross Wt.	525
DOT_Name	UN 1814, Potassium Hydroxide Solution, 8, PG II
DOT Hazard	Corrosive
Tarriff ID	2815.20.90

## Use Parameters

Concentration Range	3-5% by volume
Temperature Range	100-160 F.
Time Range	30-150 seconds
Agitation	Spray

## Waste Disposal

Neutralize, remove fats, oils, and grease.

## 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.

**WARRANTY:** HUBBARD-HALL INC. IS NOT RESPONSIBLE FOR THE MISUSE, MISAPPLICATION, OR MISHANDLING OF THIS PRODUCT. SEE THE TERMS AND CONDITIONS OF SALE ON OUR WEBSITE FOR ADDITIONAL TERMS AND CONDITIONS



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For more information on this process,  
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