



Product Bulletin

Product Name: ACID DESCALER H.D. #8550
Product Code: 2380033
Revision Date: March 1, 2026

ACID DESCALER H.D. #8550

ACID CLEANER FOR METALS - SOAK TANKS

#8550 is an inhibited acid for cleaning metals. Removes rust, oxide & scale. Can be used on all types of surfaces. 8550 provides an ultra-clean micro etched surface on aluminum that is used for bonding of adhesives, rubber coatings, masks and other topcoats.

Can be used as an acid cleaner, soak and circulation for removal of rust, scale and oxides from all types of surfaces. #8550 is also an effective product for bright dipping, etching and processing of aluminum.

Biodegradable. Highly Concentrated.

Provides a superior surface preparation on all metals prior to the application of advanced top coatings, primers, bonding of

adhesives and polymer films and sheets.

Features & Benefits

Inhibited To Prevent Attack On Base Metals And Extend Bath Life. Non-fuming. No Odors.

Milder, Less Aggressive On Surfaces.

Free Rinsing.

Ease Of Solution Control During Processing.

Typical Processing

Time: 2-20 Minutes (As Determined)

Temperature: 100- 170 Deg. F. Typical (As Determined)

Concentration: 1-25% (As Determined)

Purging Systems: .25 - 2% As Needed.

Control Concentration at Predetermined Level.

For Steel Surfaces Being Derusted or Other Metals Which May Have a Tendency of Staining or Flash Rusting Rinse Surfaces Well and Apply Corseal 917 Inhibitor or Poly Film 2010 Non-Oil Dry To Touch Inhibitor.



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Specifications

pH	1
Prod.Type	Liquid
Spec.Grav	1.33
LBS./GAL	11.09
FOAM 0=low 9=high	0
Shelf life years:	10
Freeze information	Not damaged by freezing

Packaging

Container Type	POLY
Net Units	610
Tare Wt.	25 LB.
Gross Wt.	635
Dot_Name	UN 3264, Corrosive Liquid, Acidic, inorganic, N.O.S., (Phosphoric & Glycolic Acids),8, PG II,
DOT Hazzard	Corrosive
Tariff ID	n/a

Use parameters

Concentration Range	.25-25%
Range	Cold Up To 212 F.
Time Range	As Necessary
Agitation	As Necessary.

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.

Waste Disposal

Neutralize

Holding Tank Materials of Construction

ACID RESISTANT, STAINLESS OR POLY



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Holding Tank Materials of Construction

Free Acid Test:

- 1) Take A 10 MI Sample of Solution to be Tested
- 2) Add 5-7 Drops of Bromo Blue Indicator (free Acid)
- 3) Titrate With 1.0n Sodium Hydroxide to A Blue Color
- 4) The Number of MIs Required for the Color Change Multiplied by a Factor of 1.43 =% By Volume

Ex) 7 MIs Multiplied By 1.44 = 10% By Volume

Bath Control Refractance/contaminants Ratio: (target <2.0)

- 1) Multiply The % Concentration by a Refract Factor Of .40 (% Concentration Determined From Free Alk Factor Above)
- 2) Record Results as R1= Target Refractance
- 3) Take A Refractance Reading of the Bath. Record The Number as R2.
A Refractance R2 Number Over The (r1) target Refractance Number = Level of Contaminants.
- 3) Formula: $\frac{R2}{R1}$ = Refractance/contaminant Ratio: Target < 2

Refractance Chart

10% = 4.0
5% = 2.0
2.5% = 1.0
1% = 0.40



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Our People. Your Problem Solvers.

For more information on this process,
please call us at 203.756.5521 or email: techservice@hubbardhall.com

Hubbard-Hall holds certifications for **ISO 9001:2015**, Responsible Distribution, as accredited by the **ACD** (Alliance for Chemical Distributors) and as a **Women-Owned Small Business**, as well as maintaining an association with **Omni-Chem**¹³⁶.