Product Bulletin

Product Name: Aluma Brite GM-1 non-foaming
Product Code: 2541071
Revision Date: July 1, 2024

Aluma Brite GM-1 Non-Foaming

Metal Descaler & Brightener

GM-1 is a mineral acid-based brightener, etchant, deoxidizer, smut remover for aluminum, stainless steel and some alloys of zinc and zinc die cast metals.

GM-1 is used to etch and clean aluminum for final finishing or for in process preparation for welding, coating or inspection. GM-1 is also used for system purge and cleaning out of resistant sludge and scale from process washer systems.

GM-1 is fast acting. It instantly removes dulling stains, lifts and removes weld spatter and provides a level and even matte finish bright etch appearance to the metal surface.

Features & Benefits

- Liquid concentrate is diluted with water.
- Non-phosphated and biodegradable.
- Long solution life.
- Can be automatically metered or fed into the system.

Purge Circulation washer cleanout:

- Prepare a bath in washer 4-8% (or as pre-determined)
- 80-125 F. and circulate for pre-determined time to flush lines, headers, nozzles, etc. or soak tank cleaning of valves and plumbing at 5-20%, 80-125 F. Time as need GM-1 should not be used in carbon steel

Physical Data

pH	1
Product Type	Liquid
Spec. Gravity	1.14
lbs./gal.	9.51
Foam, 0 = Low, 9 = High	0
Shelf-Life Years	10 years
Freeze Information	Not damaged by freezing.

Typical Processing

1. Prewash and clean surfaces to remove heavy grease or oil.
2. Rinse.
3. Spray or dip parts into a solution of GM-1 at room temperature.

NOTE: Temperature can be elevated to speed reaction to a level of up to 110 F. Acid vapors can evolve at elevated temperatures.

NOTE: Equipment handling this product must be acid resist poly or s/s.

4. Rinse, (Acid resistant equipment should be used in rinse stage also.)
5. Another second rinse warm to Dry parts. Highly recommended.

Packaging

Container Type	Poly pails, drums, or totes
Net Units	523
Tare Wt.	25 lb.
Gross Wt.	548
DOT_Name	UN 1830, Sulfuric Acid Solution, 8, PG II
DOT Hazard	Corrosive
Tarriff ID	2807.00.00

Use Parameters

Concentration Range	5-100% by volume.
Temperature Range	Cool up to 120 F.
Time Range	As necessary (1/2-10 minutes typically).
Agitation	As necessary.

Waste Disposal

Neutralize acid materials. Remove fats, oils, grease and metals.

Holding Tank Materials of Construction

Acid resistant, 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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