NuEtch E4 – Liquid Alkaline Heavy-Duty Aluminum Etchant.

Description:

NuEtch E4 a heavy-duty aluminum etchant. Heavily gluconated to increase tank life by up to 10 times, over that of standard etchants. Formulated for immersion application in both conversion coating and anodizing processes. Contains a surface tension reducing agent along with a mild cleaning agent to help remove light soils and provide finer surface finishes.

Applications:

Aluminum: Use at 5-10%, from ambient to 180°F, for 5 to 300 seconds*. Rinse thoroughly after processing. NuEtch E4 is suitable as the first stage of most processes. In cases where heavy surface contamination is normal, a separate alkaline cleaner stage may be necessary. Your NuGeneration Technologies Technical sales representative can help you in determining if a pre-cleaner is necessary.

Typical Usage Parameters:

	NuEtch E4
Concentration Range	5-10% (20:1 to 10:1)
Operating Temperatures	Ambient to 180°F
Immersion/Ultrasonic	•
Aluminum	•
Color	Amber
Form	Liquid

Physical Properties:

	NuEtch E4
pH, Concentrate	>14
pH, @ 10% b.v.	13.5
Bulk Density, #/gal	12.5
VOC (@ max. use Conc.)	None
Solubility in Water	Complete
Flash Point	None

Handling: Corrosive material handle with caution. Use with adequate ventilation.

Availability: Available in 5, 55 and 300 gallon containers. Bulk tank shipments also available.

Shipment: Freight classification: “Corrosive Liquid, NOS, 8, PGIII (Sodium hydroxide mixture) UN1760.”

Storage: Keep from freezing. Store between 50-120°F. Product may freeze at temperatures < 50°F. If freezing occurs, thaw and mix until uniform.

Disposal: Dispose of in accordance with local, state, and federal regulations. For assistance with disposal contact NuGeneration Technologies at 888-99-NuGen or email: info@nugentec.com.

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