

NuBrite 55L

Technical Data Sheet

Non-Chromated Aluminum Desmut and Deoxidizer

Non-Chromated liquid acidic solution for deoxidizing and desmutting Aluminum and Aluminum alloys.

Description:

NuGeneration Technologies' NuBrite 55L is a non-chromated, non-foaming acidic solution used for removing smut, oxides, mill scale and discoloration from Aluminum and Aluminum alloys. It is used prior to spot welding, anodizing, conversion coating, or after alkaline etching. **NuBrite 55L** performs well in hard water, requires no heat, deoxidizes rapidly and rinses freely. **NuBrite 55L** meets the deoxidizing requirements of Military Specification MIL-W-6858. **NuBrite 55L** contains Hydrofluoric Acid (HF), and should be used by

Characteristics:

NuBrite 55L was formulated to quickly and effectively desmut and deoxidize Aluminum and Aluminum alloys, and may safely and effectively be used on Aluminum and Aluminum alloys, Stainless Steel, Inconel, Copper and Copper alloys. **NuBrite 55L** should not be used on Magnesium, Zinc, Titanium, Zirconium or their alloys.

Directions for Use:

NuBrite 55L is effective at ambient temperatures. However, it is normally used at 10-20% by volume of water up to 100 °F for 1-5 minutes in immersion applications. **NuBrite 55L** should be used after surfaces have been pre-cleaned with a suitable detergent/etchant such as **NuGeneration Technologies' AquaKlean EF 145, AquaKlean EF105, AquaKlean EF105MF** or **AquaKlean EF105LF**. For desmutting Aluminum after alkaline etching in a solution, such as **NuEtch E3**, use at 15-20% by volume at ambient temperature for 2-5 minutes.



Product Benefits

- Aluminum and Aluminum alloy cleaner, deoxidizer and brightener
- Effective on stainless steel
- Low concentration of HF make solution safer for use
- Meets Military Specification MIL-W-6858

Physical Properties



Physical Properties

Use concentration (pre-clean)	10-20% by volume
Use concentration (post-alkaline etch)	15-20% by volume
Bulk Density	11.9 lbs/gal
Operating Temps	Ambient to 100°F
pH, Concentrate	< 1.0
pH, @5%	< 1.0
VOC (Concentrate)	0 g/L
Flash Point	None
Chelates	No
Soluble in water	Complete
Contains Hydrofluoric acid?	Yes
Corrosive	Yes

Availability: 5-gallon and 55-gallon containers, 275-gallon totes and bulk tankers.

Shipment: UN3264 Corrosive liquid, acidic, inorganic, n.o.s. (Nitric acid, Hydrofluoric acid), 8, PG II, ERG #154

Storage: Keep out of direct sunlight. Keep from freezing. Store between 40 ° F - 120 °F.

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.

Regulatory: This product is classified and labeled according to the Globally Harmonized System (GHS).

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EMERGENCY OVERVIEW:

This product may cause severe burns to the skin and eyes. Toxic in contact with skin. Harmful if swallowed. May intensify fire; oxidizer.

SAFETY:

Please make sure you have read and understand the product label and SDS before using this product. Avoid breathing vapors, spray or mists. Use only with adequate ventilation. Wash thoroughly after handling. Observe label precautions.