

NuKlean

Technical Data Sheet

NuKlean DS 105

Heavy Duty Acidic Cleaner

Application Notes:

NuKlean DS 105 a heavy duty acidic immersion/ultrasonic cleaner for removing oxides, smut, oils, grease, fingerprints and ship dirt from stainless steel, aluminum, brass, copper, zinc, magnesium, titanium, zirconium and inconel. Also for plastics, ceramics, glass, silicon carbide. The unique surfactant blend is especially good for wetting recessed surfaces such as tapped holes and tubes. Prevents oily materials from re-contaminating parts by emulsifying oils. At higher concentrations NuKlean DS 105 may be used for passivating stainless steel. For best results passivating SS NuBrite C 50 is recommended. Contains only phosphoric acid so NuKlean DS 105 is a safer alternative to sulfuric, hydrofluoric and nitric acid based products. NuKlean DS 105's surfactant blend not only aids in cleaning but helps provide a more uniform passivation. Great acid cleaner for medical devices and instruments.



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

Availability: 5-gallon and 55-gallon containers; 300-gallon tote-bins and bulk tankers.

Shipment: Freight classification: "Corrosive Liquid, NOS, 8, UN1760, PG III (Phosphoric acid mixture)."

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

Disposal: Dispose of in accordance with local, state, and federal regulations.

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DS 105



Applications:

Use at 5-10%, from ambient to 120°F, for 5 to 300 seconds*. Rinse thoroughly after processing.
 *Time, temperature and concentration should be determined based on type of material to be removed and base material. Contact your NuGeneration Technologies representative for assistance.

Typical Usage Parameters:

NuKlean DS 105	
Concentration Range	5-10% (20:1 to 10:1)
Operating temperatures	Ambient to 160°F
Immersion/Ultrasonic	•
Aluminum, brass, copper	•
Stainless steel, inconel	•
Mg, Zn, Ti, Zr	•
Plastics	•
Ceramics	•
Color	Colorless



Physical Properties:

NuKlean DS 105	
pH, concentrate	<1.0
pH, @ 10% b.v.	1.5
Bulk Density, #/gal	9.6
VOC (g/l in concentrate)	50
Solubility in water	Complete
Flash point	None
Contains Hydrofluoric acid	No
Contains Nitric acid	No
Contains Sulfuric acid	No
Contains Citric acid	No
Contains Phosphoric acid	Yes



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



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