

NuWet® DM6701

Technical Data Sheet

Disk Drive Media Cleaner SiO₂ Slurry Removal

Disk drive cleaning agent for removal of Silicon Dioxide slurry and particulate from Nickel-Phosphate coated substrates.

Description:

NuGeneration Technologies' NuWet® DM6701 is an alkaline aqueous cleaning solution used to remove Silicon Dioxide slurry and particulate from electroless Nickel (Nickel-Phosphate) coated substrates. NuWet DM6701 was formulated to accommodate the current and foreseeable future needs of the Disk Drive Industry, and offers an optimized mechanistic approach for removing polishing slurry and particulate from substrate surfaces in which dissolution and zeta potential behavior are accounted for.



Characteristics:

NuWet DM6701 offers improved removal of particulates and organics, while providing extremely fast wetting and rinsing. As such, NuWet DM6701's cleaning cycles are shorter and consume less water than other cleaning products, thereby improving throughput and cost. In formulating NuWet DM6701, the mechanisms of particulate dissolution, and surfactant selection carefully tailored to the soils' zeta potential were optimized for cleaning in an alkaline environment. The unique surfactant properties of NuWet DM6701 allow it to clean and be rinsed at ambient temperatures without worry of potential re-deposition of slurry particulate. NuWet DM6701 contains no toxic solvents. NuWet DM6701 is an effective, cost competitive, and more flexible alternative to traditional slurry and particulate removal solutions.

Directions for Use:

NuWet DM6701 is used at 1-10% concentration, and should be used at ambient temperatures up to 30.0 °C (86.0 °F) in immersion with ultrasonics or megasonics. The parameters can vary due to the type and extent of soils to be removed. After washing cycle, parts should be rinsed thoroughly in ambient temperature de-ionized water up to 30.0 °C (86.0 °F).

Product Benefits

- Non-toxic, alkaline, aqueous solution that removes slurry and particulate.
- Operates through combined dissolution and isolation of particulate through carefully tailored zeta potential matching of surfactants to soils.
- Fast wetting and rinsing; cleaning and rinsing at ambient temperatures.

Physical Properties



Physical Properties

Use concentration (ultrasonics)	1-10% by volume
Bulk Density	9.8 lbs/gal
Operating Temperature	Ambient to 30.0 °C (86.0 °F)
Boiling Point	100 °C
pH, @100%	13.00 - 14.00
Silicon dioxide (SiO ₂) removal	100%
VOC (Concentrate)	0 g/L
Flash Point	None
Chelates	No
Corrosive?	Yes
Slurry Removal	Excellent
Particle Removal	Excellent

Availability: 5-gallon pails, 55-gallon drums, and 275 gallon totes

Shipment: UN3266 Corrosive liquid, basic, inorganic, n.o.s. (Potassium Hydroxide), 8, PG III

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).

EMERGENCY OVERVIEW:

Causes severe skin burns and eye damage. Causes serious eye damage. Harmful if swallowed.

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.

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