



AquaKlean EF 105: Nitrated, Non-silicated liquid multi-metal cleaner for tank applications. With FLASH RUST PROTECTION

Application Notes:

NuGeneration Technologies' AquaKlean EF 105 is a mildly alkaline liquid cleaner moderate-foaming for use in soak tank (ultrasonic) applications. The non-silicated and non-caustic formula will not sludge or scale-up. The mildly alkaline formula allows AquaKlean EF 105 to be used as a multi-metal cleaner. Other acceptable materials include: plastics, ceramics and glass. May be used in solvent replacement tanks with hand brushing operations. Nitrated formula protects against flash rusting and corrosion.

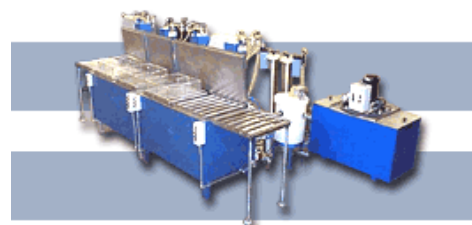
AquaKlean EF 105 was formulated to provide improved removal of particulates and organics while providing reduced residues, and fast rinsing. **AquaKlean EF 105 provides excellent wetting and rinsing properties and is therefore an excellent choice for pre-plate cleaning.** Removes: inks, polishing and buffing compounds, grease, oils, fingerprints, drawing compounds, metalworking fluids.

Application Procedure:

AquaKlean EF 105 is effective at ambient temperatures. However, it is normally used at 1 to 10% by volume of water at 120 to 165 °F for 5 seconds to 5 minutes. The parameters can vary due to the type and extent of soils to be removed. Temperatures may be increase slightly for shorter time cycles. Not safe on magnesium. Test for discoloration on cuprous alloys. For flash rust protection use at <5% by volume.

Typical usage parameters:

AquaKlean EF 105	
Description	Mild alkaline cleaner with built in flash rust protection
Concentration Range – Spray	1%-2% (run at >120 °F)
Concentration Range – Immersion	2.5%-10% (use at >5% for flash rust protection)
Operating temps	70F and up but, Best >120 to 165 °F



Physical Properties:

AquaKlean EF 105	
pH, concentrate	10.5
pH, @ 5% b.v.	10.2
Bulk Density, #/gal	8.8
Flash point	None
Solubility in water	Complete
Biodegradable	Yes
Chelates	No
Corrosive	No
VOC (concentrate)	< 40 g/L
Ozone friendly	Yes



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

Shipment: Freight classification is "cleaning compound, NOBIN – Liquid."

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

⁽¹⁾**Disposal:** Dispose of in accordance with local, state, & federal regulations. For assistance with disposal contact NuGeneration Technologies at 888-99-Nugen or e-mail: info@nugentec.com

