

Bottle Washing: Heavy Duty Cleaning of Food Processing Equipment / Chain Lube

Applications: NuGeneration Technologies **NuWash PB 1** is a highly alkaline, non-silicated, non-chelated, non-phosphated aqueous cleaner that is 100% biodegradable. **NuWash PB 8** is a moderately alkaline cleaner designed for easy disposal, typically without any neutralization. The **NuWash PB** products are highly effective, cost efficient, biodegradable and safe to use. Designed to be used in CIP machines for plastic bottle cleaning in three stage washers as the first stage cleaner. Concentration control by either titration or by conductivity is possible. Contact your local NuGenTec representative for more information regarding concentration control. **NuLube 1** is a highly concentrated chain lubricant for conveyor systems that is economical to use and highly effective at reducing friction and preventing squeaking of chains.

Typical Usage Parameters:

| | NuWash PB 1 | NuWash PB 6 | NuLube 1 | Sodium Hypochlorite 12.5% |
|--|--------------------------------|---------------------------------|---------------------------------|----------------------------------|
| Description | Alkaline Liquid | Mild Alkaline Liquid | Chain Lube – Soap Based | Concentrated “Bleach” Sanitizing |
| Use Concentration Range | 1 – 3% | 2 – 4% | 250:1 to 100:1 | 100-200 ppm, Cl |
| Operating Temps | 100 to 160°F* | 100 to 160°F | Ambient | Ambient to 160°F |
| Spray | Yes | Yes | Yes | Yes |
| Ferrous Metals | Yes | Yes | Yes | No |
| Aluminum Alloys | No | Yes | Yes | No |
| Non-Ferrous Alloys | Yes | Yes | Yes | No |
| Glass | Yes | Yes | Yes | Yes |
| Plastics/Polymers | Yes | Yes | Yes | Yes |
| PC*, PET & Glass bottle compatibility | No crazing. Test glass. | No crazing – OK on glass | No crazing – OK on glass | No crazing – OK on glass |
| Meet USDA/FDA food cleaning requirements | YES | YES | YES | YES |

*3 week, 120°F, immersion tests run. Polycarbonate Bottles should not be exposed to moist atmospheres above 160°F, crazing could result in these conditions.

Physical Properties:

| | NuWash PB 1 | NuWash PB 6 | NuLube 1 | Sodium Hypochlorite 12.5% |
|---------------------|---------------|---------------|---------------|---------------------------|
| pH, Concentrate | 13.1 | 9.9 | 10.5 | 11.5 |
| pH, @ 1% bv | 12.6 | 9.9 | 10.0 | 10.0 |
| Bulk Density, #/gal | 9.2 | 8.7 | 8.5 | 10.0 |
| Foam Levels | Will not foam | Will not foam | Moderate foam | Will not foam |
| Rinsability | Excellent | Excellent | Excellent | Excellent |
| Solubility in Water | Complete | Complete | Complete | Complete |
| Biodegradable | Yes | Yes | Yes | Yes |
| Chelates | Yes | No | No | No |
| Corrosive | Yes | No | No | Yes |
| Ozone Friendly | Yes | Yes | Yes | Yes |
| Phosphates | None | None | None | None |
| Silicated | No | No | No | No |
| Odor | None | None | None | Ammonia |

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

Shipment: Freight classification is “Non-Hazardous, cleaning compound, NOBIN – Liquid.”

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. For assistance with disposal contact NuGeneration Technologies at 888-99-NuGen or email: info@nugentec.com.