

Dutrion Tablets

Fundamentals Guide



BROAD-SPECTRUM DISINFECTANT, SPORICIDE, VIRUCIDE, BIOCID, FUNGISTAT, ALGAESTAT, MILDEWSTAT AND SLIMICIDE

Dutrion Tablet is List N, EPA-approved broad-spectrum disinfectant and antimicrobial. Once diluted, Dutrion can be fog, mist and spray applied to a wet contact time of either 1 minute or 5 minutes based on concentration. It leaves no film/residue on surfaces.

- Take up 99% less space than traditional liquid disinfectants
- No mix, self dissolving tablets
- Perfectly proportioned tablets for quart, gallon and 5-gallon containers
- Residue free, no rinse needed
- Deodorize and disinfect in one step
- Long 30-day shelf life once mixed
- Ionic formula is compatible with all Enviroguard coatings and sealants
- Can be combined with all Enviroguard cleaners and additives for synergistic cleaning and deodorization
- Includes ready-to-use, chemical resistant bottle labels with every order for OSHA compliance
- Proven, chemical/oxidizer resistant quart, gallon and 5-gallon containers are available

THE PROBLEMS

As organizations grow, chemicals can present training and cost management challenges when it comes to dilutions, dwell times, use instructions, safety, and equipment compatibilities. Additionally, many disinfectants on the market leave behind residues that ionically attract dirt and microbes to surfaces long after disinfection has been completed, resulting in unknown conducive conditions by both professionals and their customers.

THE SOLUTIONS

Dutrion presents a thoughtful, tablet solution that is proportioned for the most used container sizes for most contracting companies including quarts, gallons, 5-gallon pails and half / whole drums. The self dissolving tablets prevent the need for mixing, and Dutrion provides 30 days of shelf stability once diluted for easy product deployment within the warehouse and on trucks and vans. Dutrion can be used as a light duty cleaner, *disinfectant and deodorizer (pre-clean surfaces prior to disinfection) and is residue free once dry (unlike quats and phenols). And unlike other disinfectants such as quaternary ammonium chloride compounds, Dutrion will not negate the antimicrobial capacity of mold resistant coatings and sealants. Additionally, Dutrion is compatible with cleaners like Grease Gobbler and Code Orange for single-step cleaning and deodorization on fire, nicotine and pet odor jobs. If the odor of Dutrion is objectionable, SorbAssist can be added (per instructions) for a fresh, clean fragrance and additional cleaning enhancement. To ensure OSHA compliance and safety, every order includes color-coded, chemical resistant bottle labels with quart, gallon and 5-gallon dilution instructions to make identification easy in the field.



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Disinfection

Tablet Size	Container Size	# of Tablets	Dwell Time
1-gram	Quart	4	1 minute
4-gram	Gallon	4	1 minute
20-gram	5-Gallon	4	1 minute
100-gram	25-Gallon / 50-Gallon	4 / 8	1 minute

Odor Removal

Liquid Application	Textile/Porous Surfaces			Non/Semi-Porous Surfaces		
Odor Intensity	Light	Medium	Heavy	Light	Medium	Heavy
Concentration	100ppm	200ppm	400ppm	400ppm	800ppm	1200ppm
Tablet Size	Volume of Solution			Volume of Solution		
1-Gram	1 Qt	16oz	8oz	N/A		
4-Gram	1 Gal	1/2 Gal	1 Qt	1 Qt	16oz	8oz
20-Gram	5 Gal	2.5 Gal	1.25 Gal	1.25 Gal	1/2 Gal	1 Qt
100-Gram	25 Gal	12 Gal	6 Gal	6 Gal	3 Gal	1.5 Gal

SAFETY

To account for unknown sensitivities, we recommend using nitrile gloves when handling Dutrion tablets in both solids and liquid form; and, we since Dutrion is oxidative in nature, we recommend a multi-gas, multi-vapor cartridge for respiratory protection in both direct and prolonged exposure environments.

EQUIPMENT & APPLICATION RECOMMENDATIONS

Efficiency, productivity and safety are primary focuses for every Enviroguard chemical product. As a rule of thumb, low viscosity products like Dutrion should always be pair with low pressure sprayers (this includes misters and ULV foggers). Low pressures (<50psi) prevent "chemical blowback" and waste. Additionally, most high quality, low pressure sprayers, misters and foggers are primarily manufactured with polymer, stainless steel and Viton® parts for compatibility with variations in pH, ionic characteristics and oxidizing potential. For low viscosity products like Dutrion, we recommend the use of spray nozzles that project a flat spray at between a 15° and 80° fan pattern (this range of nozzles permits a 4" to 20" coverage pattern when the end of the nozzle is 24"-36" from the surface). Outputs should range between 0.1 gallon per minute for misting and up to .4 gallons per minute for a saturating spray (which permits a faster pace).

If you have any questions about the uses of Dutrion, its dilution, kills claims, dwell times or recommended equipment, please contact your Enviroguard representative at 828-548-3900 or email Support@EnviroguardDirect.com.

