



**EFFICACY DATA for #68 ARK HY-DIS
 CD 1.6 (D&F) DETERGENT/DISINFECTANT
 (EPA Reg. No. 1839-101-1674)**

DISINFECTION DATA:

Test Method: AOAC Use Dilution

Test Conditions: 5% blood serum
 10 minute contact time
 stainless steel carrier substrates
 20°C exposure temperature

Results:

Test Organism	Dilution	Sample	Number of Carriers		PHENOL RESISTANCE			
			Exposed	Positive	Exposure Time (min.) vs. Growth			
					Dilution	5	10	15
<i>Staphylococcus aureus</i> (ATCC 6538)	4.5 oz/gal	A	60	0	1:60	+	0	0
		B	60	0	1:70	+	+	+
		C	60	0				
<i>Salmonella choleraesuis</i> (ATCC 10708)	4.5 oz/gal	A	60	0	1:90	+	0	0
		B	60	0	1:100	+	+	+
		C	60	0				
<i>Escherichia coli</i> (ATCC 11229)	4.5 oz/gal	A	10	0	1:90	+	0	0
		B	10	0	1:100	+	+	+
<i>Pseudomonas aeruginosa</i> (ATCC 15442)	6.0 oz/gal	A	60	0	1:80	+	0	0
		B	60	0	1:90	+	+	+
		C	60	0				

+ = growth = no growth

Conclusion:

Under the conditions of these investigations, CD 1.6 (D&F) Detergent/Disinfectant demonstrated **disinfectant** activity against *Staphylococcus aureus*, *Salmonella choleraesuis*, *Escherichia coli*, and *Pseudomonas aeruginosa* according to criteria established by the U. S. Environmental Protection Agency for registration and labeling of a disinfectant product as a bactericide.

VIRUCIDAL DATA:

Test Methods: U.S. E.P.A. Pesticide Assessment Guidelines, Subdivision G: Product Performance, 1982, Section 91-30 (d) (5), pp. 72-76.

Test Conditions: 10 minute contact time, room temperature, glass Petri dish substrates

Results:

<u>Test Organism</u>	<u>Dilution</u>	<u>Sample</u>	<u>Serum ID (%)</u>	<u>Titer Reduction (after 10 min. contact)</u>
Canine Parvovirus, ATCC VR-2017 (Strain Cornell)	18 oz/gal	A	Fetal bovine calf (5%)	>4.0 log ₁₀
		B		>4.0 log ₁₀

Conclusion:

Under the conditions of this investigation, CD 1.6 (D&F) Detergent/Disinfectant was **virucidal** for Canine Parvovirus according to criteria established by the U. S. Environmental Protection Agency for registration and labeling of a disinfectant product as a virucide.

MILDEW FUNGISTATIC DATA:

Test Method: Hard Surface Mildew Fungistatic Test

Test Organism: *Aspergillus niger* (ATCC 6275)

Test Conditions: tile substrates

Results:

Sample	Dilution	No. of Exposed Tiles	No. of Tiles Showing Growth
A	4.5 oz/gal	10	0
B	4.5 oz/gal	10	0
Control	-	10	10

Conclusion:

Under the conditions of this investigation, CD 1.6 (D&F) Detergent/Disinfectant was **fungistatic** for *Aspergillus niger* according to criteria established by the U. S. Environmental Protection Agency for registration and labeling of a disinfectant product as a fungistat.