

FIFRA SECTION 18 EMERGENCY EXEMPTION LABEL (Rev. 2/5/2025)

AGENCY: U.S. Department of Agriculture (USDA), Animal and Plant Health Inspection Service (APHIS)

APPLICATORS: USDA–APHIS and those under APHIS’ oversight.

CHEMICAL: Virkon S (EPA Reg. No. 39967-137) and propylene glycol mixture

Virkon S A.I.: potassium peroxydisulfate
sodium chloride

PESTS: Highly Pathogenic Avian Influenza Virus

EXPIRATION

DATE: March 26, 2028

USE SITES: Hard nonporous surfaces that are outdoors on poultry premises in freezing temperatures, including but not limited to, delivery trucks, tractors, farm vehicles, and other conveyances, farm equipment, and footwear.

USE DIRECTIONS: All applicable directions, restrictions and precautions on the registered product for Virkon®S (EPA Reg. No. 39967-137) are to be followed. Surfaces must first be cleaned prior to disinfection. Gross contamination, organic material, and debris must be removed via mechanical means like brushing (dry cleaning) and/or the use of water and soap or detergents (wet cleaning).

Final solution is 2% Virkon S and 30 or 40% PG, depending on air temperature. When mixing the Virkon S /PG solution, 30 or 40% of the water that is used to obtain 2% Virkon S per labeled directions must be replaced by the corresponding volume of PG. The colder the temperature, the more PG is necessary to keep the mixture from freezing. In the below table are formulations and example solution concentrations based on outdoor air temperatures.

Outdoor Temperature Range	Total Formulation	Total volume of solution	water	PG	Virkon®S	Contact time
0 to -20°C (32 to -4 °F)	70 % water + 30% PG + Virkon S*	1 gal (128 fl oz)	7/10 gal (89.5 fl oz)	3/10 gal (38.5 fl oz)	2.7 fl oz	5 minutes
		1 qt (32 fl oz)	7/10 qt (22.5 fl oz)	3/10 qt (9.5 fl oz)	0.7 fl oz	
-21 to -25 °C (-5.8 to -13°F)	60 % water + 40% PG + Virkon S*	1 gal (128 fl oz)	6/10 gal (77 fl oz)	4/10 gal (51 fl oz)	2.7 fl oz	15 minutes
		1 qt (32 fl oz)	6/10 qt (19 fl oz)	4/10 qt (13 fl oz)	0.7 fl oz	

* The volume of the Virkon S concentrate is not typically considered in the total solution volume.

Once prepared, the diluted solution must be used as soon as possible, not to exceed 30 minutes beyond its preparation. Spray solution until surface is saturated. If surface dries before wet contact time is complete, reapply solution. Allow surfaces to air dry. Multiple applications may occur, especially if equipment is being moved on and off infected premises.

APHIS would use this product only during fall and winter months when infected premises experience freezing temperatures.

Treatments must be conducted on impermeable surfaces. Runoff will not be allowed to enter drains or water courses. Any runoff from treatment will be accumulated and disposed of properly.