

VARIGARD™ Polymer Gel Complex

Technical Data Sheet



- 2+ Hours of protection
- Kills 99.9% of harmful germs
- Designed to “Trap and Kill” today's strongest pathogens
- Patented Organic Polymers create a protective barrier on skin

Product Name	Varigard Hand Sanitizer
Scientific Name	Topical Complex Formulated as an Ethanol Alcohol, Crypto Biotic Visco Elastomeric Polymer Topical Solution
Recommended use	ZT-PC is an Alginate Polymer based solution complex that is formulated for use with High Purity Ethanol Alcohol as the primary sterilant and Active Ingredient as a Hand Sanitizer with Enhanced Attributes.
Composition	Plant-based Ethanol CAS Number 64-17-5 (1000PPM)
Preservation	<ul style="list-style-type: none"> • Store at room temperature • Shelf Life: 36 months from Manufacturing date • Period after opening: 3 months
Directions for use	<ul style="list-style-type: none"> • On clean and dry hands place a dose of product • Thoroughly rub entire surface of hands and wrists including nails and in-between fingers for at least 30 seconds • Allow time to dry completely, do not rinse with water • Supervise children under 6 years of age to when using this product to prevent swallowing.
Precautions for use	<ul style="list-style-type: none"> • Do not swallow • Do not mix with other products • Always read the label and product information before use • Dispose of contents and container into an approved waste disposal container • Do not reuse packaging • For further information refer to the Safety Data Sheet (SDS)
Danger Statement	This Product Is formulated to minimize fire hazards and has enhanced properties to lower the flashpoint of alcohol below 70% concentration in ambient temperatures under the recommended storage conditions specified below. Regardless of the product's enhanced attributes, all of the fire code regulations under the Class 3 rating must be followed.



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ANALYSIS USP 36 / NF 31
CONFORMITY TO SPECIFICATION

POLYMER COMPLEX CONTAINING 62% ETHANOL ALCOHOL		
Appearance	Opaque Semi Translucent – Viscous, Liquid	Conforms
Apparent Viscosity (M)	12-18 mPs.a	Conforms
Organic Cellulose	2.0-3.0%	Conforms
Hydrox co polymer	7.0-12.0%	Conforms
Glycerin	1-3%	Conforms
pH of Water and Polymers	5.5– 8.5	Conforms
H2O2	1-3%	Conforms
HEAVY METAL TESTING		
Heavy Metals (as Pb)	< 20 ppm	Conforms
Lead	< 3 ppm	Conforms
Arsenic	< 3 ppm	Conforms
Mercury	< 1 ppm	Conforms
Cadmium	< 1 ppm	Conforms
MICRO BIOLOGY TESTING		
Total Plate Count	< 1000 cfu/g	Conforms
Yeast and Mold	< 100 cfu/g	Conforms
Coliform	Absent	Conforms
Salmonella	Absent	Conforms
Residual Solvents – USP<467	Absent	Conforms

Meets All Requirements Of USP36 / NF31 for the Monograph Cellulose Organic Polymers.