



1. PRODUCT IDENTIFICATION

PRODUCT NAME: VIRAGUARD[®] Antiseptic Hand Gel	PRODUCT CLASS: Alcohol-based Antiseptic Hand Gel	PRECAUTIONS: Eye irritant, flammable	PREPARED BY: Howard Bochner	TITLE: Quality Assurance
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Hazardous Shipping Label:
Ground: < 30 kg. (66 lbs.) and < 5.0 L net capacity each = (DOT) = ORM-D (49CFR 173.150)
 > 30 kg. (66 lbs.) Or < 5.0 L net capacity each = FLAM. LIQUID 3, UN 1987, PG II
Air: < 25 kg. (55 lbs.) • (IATA) = Consumer Commodity Class 8 ID 8000, Packing Instruction 910

For 24-hour EMERGENCY CONTACT, call CHEMTREC - DOMESTIC: 800-424-9300; INTERNATIONAL: 703-527-3887

2. CHEMICAL INGREDIENTS (Identity Information)

HAZARDOUS COMPONENTS* Specific Chemical Identity: (Common Name)				OTHER NON-HAZARDOUS COMPONENTS* Specific Chemical Identity: (Common Name)		
Ingredients	TLV (units)	Hazard Data	CAS NO.	Ingredients	TLV (units)	CAS NO.
Isopropyl alcohol 65%	500 ppm PEL - 400 ppm	ACGIH OSHA	67-63-0	Hydroxypropyl Cellulose Propylene Glycol Water Fragrance		9004-64-2 57-55-6 7732-18-5 N/A

3. PHYSICAL DATA

BOILING POINT (760 mm Hg) 186°F	FREEZING POINT: N/A	VAPOR DENSITY (AIR=1) 2.05
SPECIFIC GRAVITY (H ₂ O=1) 0.92 @ 20°C	VAPOR PRESSURE: 21.5mm Hg	VISCOSITY (@ 20°C) 2200 to 2800 centipoise
pH @ 20°C 6.0	SOLUBILITY IN WATER, %BY WT.: Complete	APPEARANCE AND ODOR: Clear gel with floral odor
VOLATILES, % BY WEIGHT: 91.25	EVAPORATION RATE (Butyl Acetate=1) 1.65	

4. FIRE & EXPLOSION HAZARD DATA

FLASH POINT (Test Method): 71°F/22°C, PMCC ASTM D93 Method B	AUTOIGNITION TEMPERATURE: 668°F (ASTM E-659)
FLAMMABLE LIMITS IN AIR, % BY VOLUME: (per ASTM E-681) LOWER: 2.5 UPPER: 6.9	
EXTINGUISHING MEDIA: Use alcohol-type or all-purpose type foams by extinguisher manufacturer's recommended techniques for large fires. Use carbon dioxide or dry chemical media for small fires.	
SPECIAL FIRE-FIGHTING PROCEDURES: No special firefighting procedures required. Normal procedures include wearing NIOSH/MSHA approved self-contained breathing apparatus and turnout gear.	UNUSUAL FIRE & EXPLOSION HAZARDS: None

5. REACTIVITY DATA

STABILITY: STABLE: <input checked="" type="checkbox"/> UNSTABLE: <input type="checkbox"/>	CONDITIONS TO AVOID: Non-reactive	INCOMPATIBILITY (Materials to avoid): Acrylics, natural leathers
HAZARDOUS DECOMPOSITION PRODUCTS: None	HAZARDOUS POLYMERIZATION: May Occur <input type="checkbox"/> Will Not Occur <input checked="" type="checkbox"/>	CONDITIONS TO AVOID: Heat, sparks, flame.

6. PRECAUTIONS (Safe Handling & Use)

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Avoid any ignition source until area of spill has been properly ventilated. Flush spills with water.	
WASTE DISPOSAL METHOD: Flush into drain and sanitary sewer, dilute with water.	
PRECAUTIONS TO BE TAKEN IN HANDLING & STORAGE: In storage and dispensing, avoid spillage and evaporation from the container. Caution. Flammable. Keep away from heat, sparks and flame.	OTHER PRECAUTIONS: None

MATERIAL SAFETY DATA SHEET

PRODUCT NAME: **VIRAGUARD®**
Antiseptic Hand Gel
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7. HEALTH HAZARD DATA

ROUTE(S) OF ENTRY: INHALATION? No SKIN? No INGESTION? Yes

HEALTH HAZARDS (Acute & chronic):

INGESTION: Large quantity may cause stomach cramps, pain, nausea, vomiting & diarrhea.
SKIN ABSORPTION: No evidence of adverse effects from available information.
INHALATION: May cause mild irritation of eyes, nose and throat in a closed environment. No or minimal effect if normally ventilated.
SKIN CONTACT: No evidence of adverse effects from normal contact.
EYE CONTACT: Can cause slight irritation.
EFFECTS OF REPEATED OVEREXPOSURE: No evidence of adverse effects from available information.
LD₅₀ EFFECTS: Nontoxic - OSHA-29 CFR 1910.1200

CARCINOGENICITY: NTP? NO IARC MONOGRAPHS? NO OSHA REGULATED? NO SIGNS & SYMPTOMS OF EXPOSURE: N/A

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: N/A EMERGENCY/FIRST AID PROCEDURES: Flush eyes with water.

8. CONTROL MEASURES

RESPIRATORY PROTECTION (Specify Type):
None required

WORK/HYGENIC PRACTICES:
Emergency eye wash should be available.

VENTILATION LOCAL EXHAUST: N/A
MECHANICAL (General): N/A

SPECIAL: None required
OTHER: None required

PROTECTIVE GLOVES?
None required

EYE PROTECTION?
None required

OTHER PROTECTIVE CLOTHING OR EQUIPMENT ?
None required

9. SUPPLIER NOTIFICATION - SECTION 313

This product contains the following chemicals subject to the reporting requirements of Section 313 of the Emergency Planning and Community Right-to-Know Act of 1986 and of 40 CFR 372:

CAS #	CHEMICAL NAME	% BY WEIGHT
67-63-0	Isopropyl alcohol	65%

10. PENNSYLVANIA WORKER & COMMUNITY RIGHT-TO-KNOW SECTION 307.2(a)

The materials in this product, which are required by Pennsylvania to be identified, are as follows:

INGREDIENTS CAS # % BY WEIGHT

See Page 1 for ingredients.

All other specific chemical ingredients are held as a trade secret under the provisions of the Pennsylvania Worker and Community Right-to-Know regulations.

11. NEW JERSEY WORKER & COMMUNITY RIGHT-TO-KNOW ACT Chapter 59, Subchapter 5(8:59-5.1)

The materials in this product, which are required by New Jersey to be identified, are as follows:

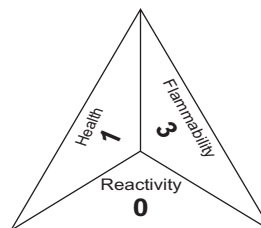
INGREDIENTS CAS #

See Page 1 for ingredients.

This information must be included in all MSDS that are copied and distributed for this material.

*The information and recommendations presented in this MSDS are believed to be accurate on the date hereof. Veridien Corporation makes no representation on its completeness or accuracy. It is the user's responsibility to determine the product's suitability for its intended use, the product's safe use, and proper disposal. No representation or warranties, either expressed or implied, are made with respect to the information provided in this MSDS or to the product to which such information refers.

Liability is expressly disclaimed for any loss or injury arising out of the use of this information or the use of any materials designated. Safe use of the materials is the responsibility of the user.



Ratings:
0 - Minimum
1 - Slight
2 - Significant
3 - Serious
4 - Extreme

REV: 10-17-01