

# Safety Data Sheet

## 1 – PRODUCT IDENTIFICATION

**PRODUCT NAME:** ..... EZ-SAN Alcohol Foam Instant Hand Sanitizer  
**PRODUCT TYPE:** ..... Healthcare Hand Antiseptic  
**PRODUCT NUMBER:** ..... A0052V1000

**COMPANY:** ..... **Vectair Systems**  
2095 Spicer Cove, Covington Way  
Memphis, TN 38134  
1-901-373-7818  
[www.vectairsystems.com](http://www.vectairsystems.com)

## 2 – HAZARDS IDENTIFICATION

**CLASSIFICATION OF SUBSTANCE/MIXTURE:** .....Flammable Liquids (2)

**SYMBOLS:**.....



**SIGNAL WORD:**..... DANGER!

**HAZARD STATEMENT:**..... Highly flammable liquid and vapor

**PRECAUTIONARY STATEMENTS:**

**PREVENTION:** ..... Keep away from heat/sparks/open flames/hot surfaces. — No smoking. Keep container tightly closed. Ground/bond container and receiving equipment. Use explosion-proof electrical/ventilating/lighting/equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Wear protective gloves/protective clothing/eye protection/face protection

**RESPONSE:**..... Specific Treatment (See Section 4 on the SDS). IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. In case of fire: Use CO<sub>2</sub>, dry chemical, or foam for extinction.

**STORAGE:** ..... Store in a well-ventilated place. Keep cool

**DISPOSAL:**..... Dispose of contents/container in accordance with local regulations.

# Safety Data Sheet

## 3 – COMPOSITION / INFORMATION ON INGREDIENTS

INGREDIENT	C.A.S. NUMBER
Ethyl Alcohol	64-17-5
Benzalkonium chloride	63449-41-2
Caprylyl glycol	1117-86-8
Cetrimonium chloride	112-02-7
Chlorhexidine gluconate	55-56-1
Di-PPG-2 myreth-10 adipate	397247-05-1
1,2-hexanediol	6920-22-5
Isopropyl alcohol	67-63-0
PEG 10 dimethicone	1136947-78-8
PEG – 14M	25322-68-3
Phenoxyethanol	122-99-6
Polyquaternium 10	81859-24-7
PPG-3 myristyl ether	63793-60-2
Water	7732-18-5

Percentages of ingredients are being withheld as trade secret information. This information will be disclosed as necessary to authorized individuals.

## 4 – FIRST-AID MEASURES

**BREATHING (INHALATION):** ... If victim shows signs of discomfort or irritation, remove to fresh air. If symptoms persist, get immediate medical attention.

**SWALLOWING (INGESTION):** . DO NOT INDUCE VOMITING! Drink a large quantity of water or milk. Do not attempt to give liquids to an unconscious person. Get immediate medical attention!

**EYES:** ..... Flush eyes with a large quantity of fresh water for at least 15 minutes. If irritation persists, consult a physician.

**SKIN (DERMAL):** ..... Flush from skin and clothing with large amounts of fresh water. If irritation persists, consult physician. Wash contaminated clothing before wearing.

## 5 – FIRE-FIGHTING MEASURES

**FLASHPOINT:**..... 21 °C 70 °F

**EXTINGUISHING MEDIA:**..... Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. Unsuitable extinguishing media...Caution: Use of water spray when fighting fire may be inefficient.

**SPECIAL FIRE FIGHTING PROCEDURES:** .....Firefighters working in areas where this product is present should be equipped with an approved, fully enclosed SCBA.

**UNUSUAL FIRE AND EXPLOSION HAZARDS:**.....None known.

# Safety Data Sheet

## 6 – ACCIDENTAL RELEASE MEASURES

**SPILL PROCEDURES:** ..... Remove sources of ignition. Dike to prevent spillage into streams or sewer systems. Consult local, state and federal authorities.

**WASTE DISPOSAL:** ..... As recommended by local, state and federal authorities.

## 7 – HANDLING and STORAGE

**STORAGE:** ..... Keep tightly closed in a dry and cool place. Keep in properly labeled containers.

**HANDLING:** ..... Ensure adequate ventilation, especially in confined areas. Keep away from heat, sparks, flame and other sources of ignition (i.e., pilot lights, electric motors and static electricity). Take precautionary measures against static discharges. Use spark-proof tools and explosion-proof equipment. All equipment used when handling the product must be grounded.

**INCOMPATIBLE MATERIALS:** Do not mix with other chemicals. .

## 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION

**RESPIRATORY PROTECTION:** Not usually needed under normal use conditions.

**PROTECTIVE CLOTHING:** ..... Special protection not usually needed. Wear eye protection if product is likely to splash.

**ADDITIONAL MEASURES:** ..... Do not place this product in an unmarked container. Avoid eye contact. Spilled material is slippery.

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Ethanol 64-17-5	STEL: 1000 ppm	TWA: 1000 ppm TWA: 1900 mg/m <sup>3</sup> (vacated) TWA: 1000 ppm (vacated) TWA: 1900 mg/m <sup>3</sup>	IDLH: 3300 ppm TWA: 1000 ppm TWA: 1900 mg/m <sup>3</sup>
2-Propanol 67-63-0	STEL: 400 ppm TWA: 200 ppm	TWA: 400 ppm TWA: 980 mg/m <sup>3</sup> (vacated) TWA: 400 ppm (vacated) TWA: 980 mg/m <sup>3</sup> (vacated) STEL: 500 ppm (vacated) STEL: 1225 mg/m <sup>3</sup>	IDLH: 2000 ppm TWA: 400 ppm TWA: 980 mg/m <sup>3</sup> STEL: 500 ppm STEL: 1225 mg/m <sup>3</sup>

**OTHER INFORMATION:** ..... Vacated limits revoked by the Court of Appeals decision in AFL-CIO v. OSHA, 965 F.2d 962 (11th Cir. 1992).

## 9 – PHYSICAL / CHEMICAL PROPERTIES

**APPEARANCE & ODOR:** ..... Clear, colorless liquid, alcohol odor.

**ODOR THRESHOLD:** ..... N/A

**pH:** ..... 7.0-8.0

**MELTING POINT:** ..... No Information available

## Safety Data Sheet

**FREEZING POINT:** ..... N/A  
**BOILING POINT:**..... 210 degrees F.  
**BOILING POINT RANGE:**..... No Information available  
**FLASHPOINT:**..... 21 °C 70 °F  
**EVAPORATION RATE:**..... N/A  
**FLAMMABILITY (solid/gas):**.... N/A  
**EXPLOSION LIMITS:**..... N/A  
**VAPOR PRESSURE:** ..... N/A  
**VAPOR DENSITY (AIR=1):**..... Greater than 1.  
**SPECIFIC GRAVITY:** ..... 0.86  
**SOLUBILITY IN WATER:** ..... Completely soluble.  
**PARTITION COEFFICIENT:** ..... N/A  
**AUTO-IGNITION TEMPERATURE:**.....N/A  
**DECOMPOSITION TEMPERATURE:** .....N/A  
**VISCOSITY:** ..... 10 cP @ 25°C

### 10 – STABILITY and REACTIVITY

**STABILITY:** ..... Stable under normal conditions.  
**HAZARDOUS DECOMP.:** ..... This product not known to polymerize.  
**INCOMPATIBILITY:** ..... Do not mix with other chemicals.

### 11 – TOXICOLOGICAL INFORMATION

**ROUTE(S) OF ENTRY:**..... Ingestion. Not likely to be inhaled in dangerous amounts.  
**LISTED CARCINOGEN:** ..... None over 0.1%.  
**MEDICAL CONDITION AGGRAVATED:**.....May aggravate pre-existing dermatitis.  
**INHALATION:**..... Not likely to be inhaled in hazardous amounts. Maintain adequate ventilation in the work area.  
**INGESTION:**..... This material can cause irritation to the stomach and esophagus if ingested.  
**EYES:** ..... May cause eye irritation.  
**SKIN (DERMAL):** ..... Not likely to irritate. Prolonged exposure to undiluted product may cause irritation.  
**ACUTE TOXICITY\* (ORAL):**..... >2000 mg/kg  
**ACUTE TOXICITY\* (DERMAL):**.. >2000 mg/kg  
**ACUTE TOXICITY\* (INHALATION):**.....>20,000 ppm V (Gas), >20 mg/l (Vapor), >5 mg/l (Dust)

\*Determined using the additivity formula for mixtures (GHS Purple Book, 3.1.3.6)

### 12 – ECOLOGICAL INFORMATION

**ENVIRONMENTAL FATE AND DISTRIBUTION:** N/A

### 13 –DISPOSAL CONSIDERATIONS

**WASTE DISPOSAL:** ..... As recommended by local, state and federal authorities.

# Safety Data Sheet

## 14 – TRANSPORTATION INFORMATION

**GENERAL ADVICE:**..... information is provided for at glance DOT information. Please refer to the container and/or shipping papers for the appropriate shipping description before tendering this material for shipment. For additional information, please contact the distributor listed in section 1 of this SDS.

**PROPER SHIPPING NAME:**..... Flammable liquids, n.o.s. (contains Ethanol)

**HAZARD CLASS:**..... 3

**UN/NA NUMBER:** ..... UN 1993

**PACKAGING GROUP :**..... II

## 15 - REGULATIONS

Contents of this SDS comply with the OSHA Hazard Communication Standard 29CFR 1910.1200

## 16 – OTHER INFORMATION

**NFPA HEALTH:** ..... 2

**NFPA FLAMMABILITY:**..... 3

**NFPA REACTIVITY:**..... 0

**NFPA OTHER:** ..... None

**ADDITIONAL:**..... The information contained in this SDS is based on the data available to us from sources we believe to be reliable. No warranty or guaranty expressed or implied is made regarding the accuracy of this data or the results obtained from the reliance on this data. The manufacturer assumes no responsibility for injury from the use of this product. Be safe- read this product safety information and pass it on to all persons who may be exposed to this product. Federal law requires it. This product and/or all of its components are either included on or exempt from the TSCA Inventory of Chemical Substances.

**REVISION DATE:**..... 3/13/20