

**MATERIAL SAFETY DATA SHEET**

**HIGH PERFORMANCE ALCOHOL-BASED HAND SANITIZER**

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**SECTION I: PRODUCT INFORMATION**

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TRADE NAME: High Performance (HP) Alcohol-based Hand Sanitizer  
SUPPLIER/MANUFACTURER: F-MATIC, Inc., 299 S. Mill Pond, Lehi UT 84043, 801-768-2000  
PREPARATION 11-11-09  
PRODUCT USE: Hand Sanitizer  
PRODUCT IDENTITY: Mixture

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**SECTION II: HAZARDOUS INGREDIENTS**

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<u>HAZARDOUS CHEMICAL IDENTITY</u>	<u>CAS# /</u>	<u>OSHA PEL</u>	<u>ACGIH TLV</u>	<u>OTHER LIMITS RECOMMENDED</u>	<u>%(OPTIONAL):</u>
ETHYL ALCOHOL (ETHANOL)	64-17-5	1000 ppm	1000 ppm	OSHA-TWA 1000 ppm	62%

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**SECTION III: PHYSICAL DATA**

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BOILING POINT: 176 °F	SPECIFIC GRAVITY (H2O=1): .894
VAPOR PRESSURE (mm Hg): 40	MELTING POINT: N/A
VAPOR DENSITY (AIR = 1): >1	EVAPORATION RATE (BUTYL ACETATE = 1): >1
SOLUBILITY IN WATER: COMPLETE	APPEARANCE AND ODOR: CLEAR TO PALE YELLOW ALCOHOL ODOR

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**SECTION IV: FIRE AND EXPLOSION DATA**

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CONDITIONS OF FLAMMABILITY: N/A	LEL: 3.3%	EXTINGUISHING MEDIA: CO2 OR DRY CHEMICAL
FLASH POINT (METHOD USED): 73 °F (TCC)	UEL: 19%	SPECIAL FIRE FIGHTING PROCEDURES: APPROVED RESPIRATORS SHOULD BE WORN. WATER SPRAY TO COOL EQUIPMENT.
UNUSUAL FIRE AND EXPLOSION HAZARDS: IF HEATED, VAPOR MAY BE FLAMMABLE. CAN REACT VIGOROUSLY WITH OXIDIZING MATERIALS.		NFPA CODE: BLUE-1, RED-3, YELLOW-0

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**SECTION V: REACTIVITY DATA**

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CHEMICAL STABILITY: STABLE  
NAME OF ANY SUBSTANCE OR CLASS OF SUBSTANCE WITH WHICH THE PRODUCT IS INCOMPATIBLE: CO2 MAY BE FORMED DURING COMBUSTION  
INCOMPATIBILITY (MATERIALS TO AVOID): OXIDIZING AGENTS  
HAZARDOUS DEPOLYMERIZATION: WILL NOT OCCUR  
HAZARDOUS DECOMPOSITION PRODUCTS: NONE KNOWN

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**SECTION VI: HEALTH HAZARD DATA**

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ROUTES OF ENTRY: INHALATION: NO SKIN: NO INGESTION: YES EYES: YES  
HEALTH HAZARDS (ACUTE AND CHRONIC): NONE  
CARCINOGENICITY: NO NTP: NO IARC MONOGRAPHS: NO OSHA REGULATED: NO  
SIGNS AND SYMPTOMS OF EXPOSURE: MILD EYE IRRITATION  
MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: NO MEDICAL CONDITIONS ARE KNOWN TO BE AGGRAVATED BY THIS PRODUCT.  
EMERGENCY AND FIRST AID PROCEDURES:  
INGESTION: DO NOT INDUCE VOMITING. CONSULT PHYSICIAN.  
EYES: FLUSH WITH WATER FOR 15 MINUTES. CONSULT PHYSICIAN.

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**SECTION VII: PREVENTATIVE MEASURES**

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PERSONAL PROTECTIVE EQUIPMENT:

ENGINEERING CONTROLS:

PROCEDURES TO BE FOLLOWED IN CASE OF A LEAK OR SPILL: Sweep up

WASTE DISPOSAL: In accordance with Municipal & Provincial regulations

HANDLING PROCEDURES AND EQUIPMENT: Normal

STORAGE REQUIREMENTS: Normal

SPECIAL SHIPPING/TRASPORTATION OF DANGEROUS GOODS: Not regulated.

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**SECTION VIII: FIRST AID MEASURES**

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IN CASE OF EYE CONTACT: Flush with water. Consult physician.

IN CASE OF SKIN CONTACT: Flush with water.

IF INHALED:

IF INGESTED: Obtain medical attention.

PHYSICIAN: Contains Alcohol

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**SPECIAL PRECAUTIONS**

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One should always use chemicals with awareness of potential hazards, known and unknown, and their effect on the human - system. We urge users to minimize employee exposure to all chemicals, including this product and to keep the level of exposure commensurate with good industrial hygiene practices.

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**DISCLAIMER OF LIABILITY**

The manufacturer and seller warrant that this product conforms to its standard specifications when used according to directions. As the conditions or methods of use are beyond our control, we do not assume any responsibility and expressly disclaim all expressed or implied warranties of merchantability or of liability from the use of this product. The information contained herein, as of this date, is believed to be true and accurate, but it is the user's obligation to study the MSDS and determine the conditions for the safe use of this product.

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