



# Material Data Safety Sheet

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**AVANT-EX™ Food Code Instant Hand Sanitizer**

**Product Number: 12088**


## SECTION 1 – PRODUCT AND COMPANY IDENTIFICATION

<b>Product Name</b>	AVANT-EX™ Food Code Instant Hand Sanitizer	<b>Effective Date</b>	02/18/11
<b>Company</b>	B4 Brands 1001 North Washington Street Lisbon, IA 52253 USA	<b>Transportation Emergency (24 Hour) Contact</b> <b>INFOTRAC</b>	North America: 1-800-535-5053 Outside North America: +1-352-323-3500
<b>Phone Number</b>	<b>Product Information</b> 1-888- 667-6066/ www.b4brands.com	<b>Medical Emergencies: Contact your local poison control center.</b>	
<b>HMIS Rating</b>	Health 1 Flammability 3 Physical Hazard 0	<b>Transportation</b> DOT: CONSUMER COMMODITY, ORM-D IATA: CONSUMER COMMODITY, ID8000, Class 9 IMDG: UN1170, ETHANOL SOLUTION, Class 3, LTD QTY	

## SECTION 2 – HAZARDS IDENTIFICATION

### Emergency Overview

This material is an Over-The-Counter consumer product that is safe for consumers with intended and reasonable foreseeable use.

**Hazard Classification:** Flammable Liquid, Cat. 3 **Signal Word(s):** Warning **Hazard Symbol(s):** 

**Hazard Statement:** Flammable liquid and vapour

### Precautionary Statements:

- FLAMMABLE. Keep away from fire or flame.
- Do not use in eyes. In case of eye contact, flush thoroughly with water and seek medical attention.
- Stop use and ask doctor if irritation and redness develop and persists for more than 72 hours.
- Keep out of reach of children. If swallowed, get medical help or contact a Poison Control Center right away.

## SECTION 3 – COMPOSITION / INFORMATION ON INGREDIENTS

Ingredients considered hazardous as defined by OSHA, 29 CFR 1910.1200, WHMIS under the HPA (Canada), or ESIS (Europe).

<u>Chemical Name</u>	<u>CAS Number</u>	<u>EINECS/ELINCS</u>	<u>Wt %</u>	<u>OSHA PEL</u>	<u>ACGIH TLV</u>
Ethyl Alcohol	64-17-5	200-578-6	70-75	TWA 1000ppm	TWO 1000ppm

Remaining ingredients are non-hazardous and/or present at amounts below reportable limits and considered confidential.

## SECTION 4 – FIRST AID MEASURES

<b>Eye Contact</b>	Immediately flush the eye(s) with water for at least 15 minutes while holding eyelids open. Seek medical attention in the event of an adverse reaction or if symptoms of irritation worsen.
<b>Skin Contact</b>	In case of irritation, immediately wash affected area with soap and water. Seek medical attention in the event of an adverse reaction or if symptoms of irritation worsen.
<b>Ingestion</b>	Seek medical attention if ingestion occurs.



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**Inhalation** Product is not likely to be hazardous by inhalation. If respiratory irritation or distress occurs, remove victim to fresh air and seek medical attention.

## SECTION 5 – FIRE FIGHTING MEASURES

**Flash Point & Method** 24°C (76°F)  
Tag Closed Cup

**Flammability Class** OSHA Flammable Liquid, Class IC

**Flammability Limits (% by vol)**

<b>Lower</b>	<b>Upper</b>	
3.3%*	19.0%*	(*for ethanol)

**Extinguishing Media** Chemical foam, dry chemical, carbon dioxide, or water.

**Unusual Fire & Explosion Hazards** No applicable hazards are known to be associated with this product.

**Fire Fighting Instructions** Use self-contained breathing apparatus and full protective gear if large quantities of product are involved. Thermal decomposition may include oxides of carbon and nitrogen.

## SECTION 6 – ACCIDENTAL RELEASE MEASURES

**Personal Precautions** Wear appropriate protective equipment (see Section 8).

**Containment/Cleanup** Safely stop source of spill. Dike or contain spill. Absorb with appropriate absorbent. Clean area of spill and absorbent material. Dispose of all washings, sweepings, and absorbents in accordance with all applicable federal, state, and local regulations. Spills may be reportable to the National Response Center (800-424-8802).

## SECTION 7 – HANDLING AND STORAGE

**Handling** Utilize standard safe handling and transportation techniques to avoid spillage or rupture of the product. Avoid eye contact. Do not smoke while using this product.

**Storage** Store in cool, dry area away from direct sunlight and incompatible materials (see Section 10). Do not freeze. Store between 40 to 100°F (4 to 38°C).

## SECTION 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION

**Control Parameters** Industrial Setting: Refer to Section 3 for ingredients with occupational exposure limits.

**Engineering Controls** This is a consumer product that is safe for consumers under normal and reasonably foreseeable use. For industrial settings, use in well ventilated area.

**Personal Protective Equipment**

**Respiratory protection:** Not required.  
**Eye/Face:** Safety glasses or goggles if splash hazards exist.  
**Skin:** Not required.

**Work Hygienic Practices** Always follow good hygienic work practices.

## SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

<b>Color and Appearance</b>	Clear, fluid gel	<b>VOC Content</b>	70-75%
<b>Odor</b>	Orange	<b>Boiling Point</b>	Not Determined
<b>pH</b>	5.0 – 7.0	<b>Melting Point</b>	N/A
<b>Specific Gravity</b>	0.920 – 0.990	<b>Vapor Density</b>	N/A



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**Flash Point**

24°C (76°F)

**Solubility in Water** Soluble

## SECTION 10 – STABILITY AND REACTIVITY

<b>Chemical Stability</b>	Stable under normal storage, handling, use and transportation.
<b>Conditions to Avoid</b>	Avoid extreme temperature conditions.
<b>Incompatible Materials</b>	Strong acid and alkaline materials. Strong oxidizing and reducing agent.
<b>Hazardous Decomposition Products</b>	Oxides of carbon and nitrogen may be released under extreme heat.
<b>Hazardous Polymerization</b>	Will not occur.

## SECTION 11 – TOXICOLOGICAL INFORMATION

<b>Toxicity Tests</b>	Data is not available.
<b>Potential Health Effects</b>	<b>Acute Eye:</b> Contact may cause mild, transient irritation. <b>Acute Skin:</b> Not expected to be irritating or sensitizing. <b>Acute Inhalation:</b> Irritating to upper respiratory tract. <b>Acute Ingestion:</b> Oral toxicity is not anticipated, but may cause stomach distress, nausea, or vomiting. <b>Chronic Effects:</b> Not expected to have chronic health effects. <b>Carcinogenicity:</b> Not expected to be carcinogenic.

## SECTION 12 – ECOLOGICAL INFORMATION

**Ecological Tests:** Data is not available.

**Environmental Impact:** The product ingredients are expected to be safe for the environment at concentrations predicted under normal use and accidental spill scenarios. Packaging components are compatible with the conventional solid waste management practices.

## SECTION 13 – DISPOSAL CONSIDERATIONS

**Disposal Methods** Unused product is RCRA ignitable hazardous waste (D001). Dispose of according to local, state, and federal regulations.

## SECTION 14 – TRANSPORT INFORMATION

<b>Shipment</b>	<b>Identification</b>	<b>Proper</b>	<b>Hazardous</b>	<b>Packaging</b>
<b>US DOT</b>	<b>Number</b>	<b>Shipping Name</b>	<b>Classification</b>	<b>Group</b>
None	None	CONSUMER COMMODITY	ORM-D	None
IATA (air)	ID8000	CONSUMER COMMODITY	9	N/A
IMDG (vessel)	UN1170	ETHANOL SOLUTION	3	III, LTD QTY



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## SECTION 15 – REGULATORY INFORMATION

**USA**

**FDA** This product is regulated as an Over-The-Counter (OTC) drug under the Federal Food, Drug, and Cosmetics Act and complies with FDA regulations.

**EPA** **SARA Title III Sections 302/304, 311/312, and 313** chemical listings: None or none present in regulated quantities.

**CAA Section 112** listings (TQ): None

**CERCLA** Reportable Quantity (RQ): RCRA D001/Unlisted Ignitable Hazardous Waste  
Ethyl Alcohol = 100 lbs

**California Proposition 65:** This product is not subject to warning labeling.

**State Right-To-Know** The following ingredients are present in the finished product and are listed on the following state right-to-know lists:

<u>Ingredient</u>	<u>CAS No.</u>	<u>Percent</u>	<u>State</u>
Ethyl Alcohol	64-17-5	70-75	MA, NJ, PA, RI

**Canada** This product is regulated as a Natural Health Product (NHP) under the Food and Drugs Act and complies with Health Canada regulations. All chemical components of this product are listed on DSL, NDSL, ICL or exempt.

**Europe**

**EU Classification:** Category 3 - Flammable liquid and vapour.

**EU Risk Phrases:** R10 – Flammable.

**EU Safety Phrases:** S2 – Keep out of reach of children. S46 – If swallowed, seek medical advice immediately and show this container or label. S56 – Dispose of this material and its container to hazardous or special waste collection point.

## SECTION 16 – OTHER INFORMATION

### Legend

ACGIH	American Conference of Governmental Industrial Hygienists	ICL	In-Commerce List ( <i>Canada</i> )
CAA	Clean Air Act	IMO	International Maritime Organization
CAS	Chemical Abstract Service	N/A	Not Applicable
CERCLA	CERCLA Hazardous Substances	NDSL	Non-Domestic Substances List ( <i>Canada</i> )
CFR	Code of Federal Regulations	N/E	Not Established
DOT	Department of Transportation	NTP	National Toxicology Program
DSL	Domestic Substances List ( <i>Canada</i> )	OSHA	Occupational Safety & Health Administration
EINECS	European Inventory of Existing Chemical Substances	PEL	Permissible Exposure Limits
EPA	Environmental Protection Agency	RCRA	Resource Conservation and Recovery Act
FDA	Food and Drug Administration	SARA	Superfund Amendments and Reauthorizations Act
HPA	Hazardous Products Act ( <i>Canada</i> )	TLV	Threshold Limit Values
IARC	International Agency for Research on Cancer	TQ	Threshold Quantities
IATA	International Air Transport Association	TWA	Time Weighted Average
		VOC	Volatile Organic Compounds
		WHMIS	Workplace Hazardous Materials Information System

**Last Revision Date:** 12/21/06

**Reason for Revision:** Update MSDS format to Globally Harmonized System.

This document is intended to provide a brief summary of our knowledge and guidance regarding the use of this material. The information set forth herein has been compiled from sources considered to be dependable and is



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