

Material Safety Data Sheet

Product Code: 12087

Revision: 4

MSDS Revision Date: 12/21/06

Section 1 - Chemical Product and Company Information

Product Name: Avant-EX™ Food Code Instant Hand Sanitizer
Manufacturer Name: B4 Brands by AMA
Manufacturer Address: P.O. Box 2310, Nixa, MO 65714
Emergency Phone Number: 800-535-5053
Non-Emergency Phone Number: 888-667-6066

Section 2 - Composition and Information on Ingredients

<u>Component</u>	<u>Percent Composition</u>	<u>CAS No</u>	<u>EINECS No</u>	<u>Exposure Limits</u>
Ethyl Alcohol	70-75	64-17-5	200-578-6	OSHA TWA 1000 ppm

Section 3 - Hazard Identification

Potential Health Effects:

Eye: Irritating, may cause color blindness.
Skin: Skin irritation is not anticipated.
Ingestion: Poisonous, may damage central nervous system and internal organs and cause blindness.
Inhalation: Excessive inhalation may cause nasal and respiratory irritation, as well as symptoms shown for ingestion.

Section 4 - First Aid Measures

24 Hour Emergency Number: 800-535-5053

Eyes: Irritating, may cause color blindness. Check for and remove any contact lenses. Rinse eyes for at least 20 minutes with cold water. Seek medical attention immediately.

Skin: Irritation is not anticipated. If irritation occurs, immediately flush affected area with water for 15 minutes. If irritation persists, seek medical attention.

Ingestion: Poisonous, may damage central nervous system and internal organs and cause blindness. **DO NOT** induce vomiting. Have conscious person drink several glasses of water or milk. Never give anything by mouth to an unconscious person. Lower the head so that vomit will not re-enter the mouth and throat. Seek medical attention immediately.

Inhalation: Irritating to upper respiratory tract. Remove patient to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Seek medical attention immediately.

Notes to Physician: All treatment should be based on signs and symptoms of distress in the patient. Consideration should always be given to the possibility that exposures to materials other than this product may have occurred. Treat symptomatically.

Section 5 - Fire Fighting Measures

Flammable Properties:	<u>Flash Point</u>	<u>Method</u>
	76F	Closed Cup
Flammability Limits:	<u>Lower</u>	<u>Upper</u>
	Not Determined	Not Determined

Autoignition Temperature: Not Determined

Fire Fighting Instructions: Product is flammable and will burn under normal circumstances. Use fog, foam, fine water spray, dry chemical or CO2.

Section 6 - Accidental Release Measures

Small Spill: Shut off ignition sources, and stop release if possible, otherwise dike or contain spill. Absorb with appropriate absorbent. Clean area of spill and absorbent residue.

Large Spill: Shut off ignition sources, and stop release if possible, otherwise dike or contain spill. Absorb with appropriate absorbent. Collect product into drums or otherwise appropriate containers. Clean area of spill and absorbent residue.

Waste Disposal Methods: DO NOT flush into drains. Spill may be reportable to the National Response Center (800-424-8802) Dispose of all washings, sweepings, and absorbents in accordance with all applicable federal, state, and local laws.

Section 7 - Handling and Storage

Handling: DO NOT smoke or eat while using this product.

Storage: Store this product in a well-ventilated area.

Section 8 - Exposure Controls and Personal Protection

Engineering Controls: Mechanical ventilation should be used when large quantities of this product are used in enclosed spaces. This substance is toxic to the liver. Repeated or prolonged exposure can produce target organs damage. Repeated exposure to a highly toxic material may produce general deterioration of health by an accumulation in one or many organs.

Respiratory Protection: The use of respirators is not anticipated.

Skin Protection: Protective equipment is not required.

Eye Protection: Use OSHA approved eye protection.

Work Hygienic Practices: DO NOT smoke, eat, or drink while using this product. Wash hands promptly if skin becomes contaminated. Wash hands before eating, drinking, and/or smoking.

Section 9 - Physical and Chemical Properties

Color: Water white to slight orange
Odor: Orange - To Match Standard
Appearance: Clear Fluid Gel
pH: 5.0 – 7.0
Specific Gravity: 0.920 - 0.990

Section 10 - Stability and Reactivity

Chemical Stability: Stable
Incompatibility: Strongly acid or alkaline materials
Hazardous Decomposition Products: Oxides of carbon and nitrogen
Hazardous Polymerization: Will not occur

Section 11 - Toxicological Information

Ingestion: LD50 by Computer Model =3.6 g/kg (Rat) - This substance is rated as toxic to the liver. Repeated or prolonged exposure can produce target organs damage. Repeated exposure to a highly toxic material may produce general deterioration of health by an accumulation in one or many organs.
Skin: Non-irritant
Ocular: Mild Irritant

Section 12 - Ecological Considerations

Ecotoxicological Information: No data found for this product
Chemical Fate Information: No data found for this product

Section 13 - Disposal Considerations

Disposal Methods: Unused product is RCRA ignitable hazardous waste (D001). Product should be disposed of according to local, state, and/or federal regulations.

Section 14 - Transportation Information

US DOT Proper Shipping Name: Consumer Commodity ORM-D

Section 15 - Regulatory Information

The US FDA regulates this product in the United States. It is a violation of federal law to use this product in a manner inconsistent with its labeling.

Section 16 - Other Information

The data contained within this MSDS is believed to be accurate and is given in good faith. No warranty, expressed or implied is made. Nothing within this document constitutes medical advice. Since use conditions vary unforeseeably, an industrial health and safety professional should evaluate specific industrial use conditions.