

MATERIAL SAFETY DATA SHEET

gelFAST™ Hand Sanitizer

Product Code: 12090 Revision: 2 MSDS Revision Date: 03/21/05

Section 1 - Chemical Product & Company Information

Product Name: gelFAST™ Food Code Compliant Hand Sanitizer

Product Description: Waterless Hand Sanitizer

Manufacturer Name and Address Medonyx, Inc., 341 Lesmill Rd. Toronto, ON, Canada M3B 2V1

Manufacturer Phone Number: 416.633.6990

Emergency Phone Number: 417.725.2691

Section 2 - Composition & Information on Ingredients

Component: Ethyl Alcohol % **Composition:** 65-75

CAS No: 61-17-5 **EINECS No:** 200-578-6

Exposure Limits: 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, and symptoms shown for ingestion.

Section 4 - First Aid Measures

24 Hour Emergency Number: 417-725-2691

Eye: 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:** 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: (Flash Point: 40C

Method: Approximated) **Flammability Limits:**

(Lower: 3.3% Approximated Upper: 15% Approximated)

Autoignition Temperature: Not Determined

Fire Fighting Instructions: Product is flammable and will burn under normal circumstances.

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 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

RCRA Ingredients: None **CERCLA Ingredients:** None

Disposal Methods: Product should be disposed of according to local, state, and/or federal regulations. When disposing of wastes or surplus materials avoid contact with skin and eyes. Wear impervious clothing and eye protection. DO NOT wash into drains. DO NOT mix with other wastes.

Section 14 - Transportation Information

US DOT Proper Shipping Name: Consumer Commodity ORM-D **CFR49 Hazardous material:** Ethanol **Class:** 3 **ID#:** UN1170 **P/G:** III **NFMC:** 48580. **For ground shipping, quantities below 5L per inner packaging, 30kg gross wt are exempt from labelling, placarding, and shipping paper requirements as per CFR49 173.150**

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.