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# MATERIAL SAFETY DATA SHEET

Hollister Incorporated  
Emergency Telephone Number

2000 Hollister Dr.  
(847)680-2826

Libertyville, IL 60048-3748  
Prepared By: D. A. Melzer

**PRODUCT NAME:** Karaya Paste (tubes)

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**Effective Date:** 6/7/2000    **Date Printed:** 6/7/2000

**Product Code:** 7910, 7919

**HAZARDOUS CHEMICAL NAME:** Mixture

1. **Hazardous Ingredients:**

<u>Hazardous Component</u>	<u>CAS #</u>	<u>%</u>	<u>Type of Hazard</u>	<u>OSHA PEL</u>	<u>ACGIH TLV</u>
Isopropanol	67-63-0	36.8	Flammable/ Health	400ppm	400ppm

2. **Physical Data:**

**Boiling Point:** 180°F (as isopropanol)  
**Vapor Press:** 33 mm Hg at 20°C (as isopropanol)  
**Vapor Density:** Greater than one (heavier than air)  
**Solubility in Water:** Swells in water  
**Specific Gravity:** 1.075 at 25°C (as mixture)  
**Appearance:** Brown viscous paste  
**Odor:** Alcoholic odor

3. **Fire and Explosion Hazard Data:**

**Flash Point:** 53°F  
**Method Used:** Tag Open Cup

**Flammable Limits**

**LFL:** 2.0% (as isopropanol) **UFL:** 12.0% (as isopropanol)

**Extinguishing Media:** Water, foam, CO<sub>2</sub>, dry chemical

**Fire & Explosion Hazards:** Keep containers away from heat, sparks, and open flames. Vapors are heavier than air.

**Special Fire-Fighting Procedures:** None anticipated

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4. **Reactivity Data:**

**Stability (Conditions to Avoid):** Material is stable. Avoid heat, sparks, and open flames.

**Incompatibility (Specific Materials to Avoid):** Avoid contact with oxidizing agents.

**Hazardous Decomposition Products:** Burning can produce carbon monoxide and carbon dioxide.

**Hazardous Polymerization:** Will not occur.

5. **Environmental and Disposal Information:**

**Action to Take for Spills/Leaks:** Mechanical clean-up for disposal.

**Disposal Method:** Dispose in accordance with all federal, state and local regulations regarding waste disposal.

6. **Health Hazard Data:** Acute and chronic toxic reactions are not anticipated as a result of use following package instructions.

**Signs/Symptoms of Overexposure:** Contact with eyes can cause severe irritation, iritis, conjunctivitis, and corneal opacity. Prolonged or repeated skin contact may cause irritation, defatting and dermatitis. Ingesting large amounts by mouth may result in blockage and/or closure of esophagus, and may cause nausea, vomiting, diarrhea, and gastrointestinal irritation. Excessive inhalation can cause irritation and narcosis.

**Medical Conditions Generally Aggravated by Exposure:** Avoid contact with severely irritated or excoriated skin directly over cuts or sores.

**Carcinogen Status:** Contains no known carcinogens or materials under investigation as potential carcinogens.

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6.    **Health Hazard Data: (cont.)**

**Primary Route(s) of Entry:** Eye/skin contact, oral ingestion, excessive inhalation.

7.    **Emergency/First Aid Procedures:**

**Eye/Skin Contact:** In case of contact with eyes, immediately flush with plenty of water. In case of skin irritation, discontinue contact and wash area with soap and water.

**Excessive Inhalation:** Remove from exposure to fresh air. Consult a physician if necessary.

**Oral Ingestion:** If breathing has stopped, immediately contact a physician. The esophagus may be blocked. Do not give anything by mouth. Do not induce vomiting. Ingestion of small quantities do not require immediate medical attention.

8.    **Handling Precautions:**

**Exposure Guideline(s):** None established for mixture. See Hazardous Ingredients list for exposure guidelines of components.

**Ventilation:** Use only with adequate ventilation.

**Respiratory Protection:** None anticipated.

**Skin Protection:** None anticipated.

**Eye Protection:** None anticipated.

9.    **Special Precautions:**

**Special Precautions to be Taken in Handling and Storage:** Avoid contact with eyes. Keep away from heat, sparks, and flames. Use only with adequate ventilation. Avoid contact with irritated or excoriated skin, or directly over open cuts or sores.

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## 10. Transportation Information

The data provided in this section is for information only. Please apply the appropriate regulations to properly classify your shipment.

**U.S. DOT Hazard Class:** 4.1

**UN Number:** 1325

The information contained in this Material Safety Data Sheet (MSDS) is offered as a guide to the handling of this specific material. It has been prepared in good faith by technically knowledgeable personnel and is believed to be correct as of the effective date listed. Hollister Incorporated shall not be held liable for any damages, losses, or injuries of any nature which may result from the use of or reliance upon any information contained in this MSDS.