



Section 1: Identification of the Substance/Mixture and of the Company Undertaking

7910/7919

Product identifier used on the label:

Product Name: Karaya Paste

Other means of identification:

Product Codes: 7910/7919

Manufacturer MSDS Number: 7910/7919

Recommended use of the chemical and restrictions on use:

Product Uses: Karaya 5 paste is used as a filler for scars, skinfolds, and skin irregularities or as a sealant with any skin barriers or adhesive products
For external use only. Do not use if patient has a compromised immune system and/or may be at risk for infections unless directed by a healthcare professional.
Do not apply to severely irritated or excoriated skin, open cuts or sores.

Product Restrictions: Karaya 5 paste is used as a filler for scars, skinfolds, and skin irregularities or as a sealant with any skin barriers or adhesive products
For external use only. Do not use if patient has a compromised immune system and/or may be at risk for infections unless directed by a healthcare professional.
Do not apply to severely irritated or excoriated skin, open cuts or sores.

Chemical manufacturer address and telephone number:

Manufacturer Name: Hollister Incorporated

Manufacturer Address 1: 2000 Hollister Drive

Manufacturer City: Libertyville

Manufacturer State: Illinois

Manufacturer Zip Code: 60048

Manufacturer Country: USA

Manufacturer Web: www.Hollister.com

Business Phone: 847-680-1000

Emergency phone number:

Emergency Phone: 847-680-1000

Revision Date: 2018-12-17

Section 2: Hazards Identification

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Classification of the chemical in accordance with CFR 1910.1200(d)(f):



Signal Words: Warning.

Emergency Overview: WARNING! Irritant. May cause drowsiness or dizziness.

Product:

GHS Class: Eye Irritation Category 2
Specific Target Organ Toxicity - STOT, Single Exposure SE Category 3

Hazard Statements:	H319 - Causes serious eye irritation. H336 - May cause drowsiness or dizziness.
Precautionary Statements:	P261 - Avoid breathing dust/fume/gas/mist/vapours/spray. P271 - Use only outdoors or in a well-ventilated area. P280 - Wear protective gloves/protective clothing/eye protection/face protection. P304+P340 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P301+P312 - Call a POISON CENTER or doctor/physician if you feel unwell. P337+P313 - If eye irritation persists: Get medical advice/attention. P403+P233 - Store in a well-ventilated place. Keep container tightly closed. P405 - Store locked up. P264 - Wash hands thoroughly after handling. P501 - Dispose of contents/container in accordance with Local, State, Federal and Provincial regulations.

Hazards not otherwise classified that have been identified during the classification process:

Section 3: Composition/Information on Ingredients

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Mixtures:

Ingredient Name	CAS Number	Ingredient Percent	EC Number	Comments
2-Butenedioic acid	31307-95-6	10 - 20% by weight		
Isopropanol (IPA)	67-63-0	10 - 20 % by weight		
Gum Karaya Powder	9000-36-6	20 - 40 % by weight		
Non hazardous ingredient(s)	No data	10 - 20 % by weight		

Section 4: First Aid Measures

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Description of necessary measures:

Eye Contact:	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
Skin Contact:	No effects anticipated. If symptoms persist, call a physician.
Inhalation:	IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell.
Ingestion:	IF SWALLOWED: Call a physician or poison control center immediately. Do not induce vomiting. Never give anything by mouth to an unconscious person.

Most important symptoms/effects, acute and delayed:

Indication of immediate medical attention and special treatment needed

Note To Physicians:	None.
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Section 5: Firefighting Measures

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Suitable and unsuitable extinguishing media

Extinguishing Media:	Use alcohol resistant foam, carbon dioxide, dry chemical, or water fog or spray when fighting fires involving this material.
Unsuitable Media:	Do not use a solid water stream as it may scatter and spread fire.

Specific hazards arising from the chemical

Hazardous Combustion Byproducts:	Oxides of carbon, oxides of nitrogen and other organic substances may be formed.
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Unusual Fire Hazards: Material burns with an invisible flame

Special protective equipment and precautions for fire-fighters

Protective Equipment: As in any fire, wear Self-Contained Breathing Apparatus (SCBA), MSHA/NIOSH (approved or equivalent) and full protective gear.

NFPA Health: 1

NFPA Fire: 1

NFPA Reactivity: 1

Section 6: Accidental Release Measures

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Personal precautions, protective equipment and emergency procedures

Personnel Precautions: For large spills: Evacuate area and keep unnecessary and unprotected personnel from entering the spill area. Avoid breathing vapor, aerosol or mist. Avoid contact with skin, eyes and clothing.

Methods and materials for containment and cleaning up

Methods for Containment: For large spills: Contain spills with an inert absorbent material such as soil, sand or oil dry.

Methods for Cleanup: For large spills: Remove all sources of ignition. Collect the wipes with a non sparking tool and absorb or wipe any residual liquids. Place in a suitable container for proper disposal. Use appropriate protective apparel as described in Section 8. Avoid contact with skin and eyes.

Environmental precautions

Environmental Precautions: For large spills: Avoid runoff into storm sewers, ditches, and waterways.

Section 7: Handling and Storage

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Precautions for safe handling

Handling: Use with adequate ventilation. Avoid breathing vapor and fumes. Use only in accordance with directions. To reduce potential for static discharge, bond and ground containers when transferring material.

Special Handling: Do not re-use empty containers.

Hygiene Practices: Wash thoroughly after handling. Avoid inhaling vapors, mists, or fumes.

Conditions for safe storage, including any incompatibilities

Storage: Store in a cool, dry, well ventilated area away from sources of heat, combustible materials, direct sunlight, and incompatible substances. Keep container tightly closed when not in use. Keep away from aldehydes, halogenated organics, halogens, strong acids, strong oxidizers.

Section 8: Exposure Controls/Personal Protection

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Exposure Guidelines

Exposure Guidelines - Ingredient Based:

Isopropanol (IPA):

ACGIH: TLV-STEL: 400 ppm
TLV-TWA: 200 ppm

OSHA: PEL-TWA: 400 ppm

Appropriate engineering controls

Engineering Controls: No special protective equipment required under normal conditions of use. General ventilation is sufficient if this product is being used in a controlled medical setting (clinic, hospital, medical office) for its sole intended topical purpose.

Individual protection measures

Eye Protection: No special protective equipment required under normal conditions of use. If splashes are likely to occur, wear: Chemical splash goggles.

Face Protection: No special protective equipment required under normal conditions of use. If splashes are likely to occur, wear: Chemical splash goggles.

Skin Protection: No special protective equipment required under normal conditions of use.

Respiratory Protection: No special protective equipment required under normal conditions of use. No personal respiratory protective equipment is normally required. The need for respiratory protection will vary according to the airborne concentrations and environmental conditions (such as in manufacturing).

Hygiene Practices: Wash thoroughly after handling. Avoid inhaling vapors, mists, or fumes.

Section 9: Physical and Chemical Properties

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Physical and chemical properties

Physical State: Physical State Appearance : Paste .

Color: Brown

Odor: Alcohol or solvent odor

pH: Not determined.

Melting Temperature: Not determined.

Boiling Temperature: 82°C (180 °F) as isopropanol

Flash Point: Combustion propagation rate less than or equal to 1 mm/s

Flash Point Method: ASTM Method D4359

Ignition Temperature: Not determined.

Lower Flammable Limit: Not determined.

Upper Flammable Limit: Not determined.

Vapor Pressure: 33 mm Hg @ 20°C (69°F) as isopropanol

Vapor Density: >1 (Air=1.)

Solubility: SWELLS IN WATER

Specific Gravity: 1.075 at 25°C as mixture

Evaporation Rate: Not determined.

Percent Volatile: Not determined.

Viscosity: Not determined.

Odor Threshold: Not determined.

Octanol Water Partition Coef: Coefficient of Water/Oil Distribution: Not determined.

Section 10: Stability and Reactivity

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Reactivity:**Chemical Stability:**

Chemical Stability: Stable under normal temperatures and pressures.

Possibility of hazardous reactions:

Hazardous Polymerization: Not reported.

Conditions To Avoid:

Conditions To Avoid: Keep away from heat, ignition sources and incompatible materials.

Incompatible Materials:

Incompatible Materials: Oxidizing agents. Strong acids and alkalis.

Hazardous Decomposition Products: Heating may produce an irritant and harmful gas.

Section 11: Toxicological Information

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Toxicological Information:**Product:**

Route of Exposure: Eyes. Skin. Inhalation. Ingestion.

Sign and Symptoms: Overexposure may cause headaches and dizziness.

Target Organ Data: Eyes. Skin. Respiratory system . Digestive system .

PreExisting Conditions Aggravated by Exposure: None generally recognized.

Acute Inhalation Effects: Prolonged or excessive inhalation may cause respiratory tract irritation.

Acute Skin Effects: May cause irritation.

Acute Ingestion Effects: Ingestion can cause gastrointestinal irritation, nausea, vomiting and diarrhea.

Acute Eye Effects: May cause irritation.

Isopropanol (IPA):

Eye Toxicity: Administration into the eye - Rabbit Standard Draize test: 100 mg [Severe]
Administration into the eye - Rabbit Standard Draize test: 10 mg [Moderate]
Administration into the eye - Rabbit Standard Draize test: 100 mg/24H [Moderate] (RTECS)

Skin Toxicity: Administration onto the skin - Rabbit LD50 - Lethal dose, 50 percent kill: 12800 mg/kg [Details of toxic effects not reported other than lethal dose value] (RTECS)

Ingestion Toxicity: Oral - Rat LD50 - Lethal dose, 50 percent kill: 5045 mg/kg [Behavioral-Altered sleep time (including change in righting reflex)Behavioral-Somnolence (general depressed activity)]
Oral - Rat LD50 - Lethal dose, 50 percent kill: 5000 mg/kg [Behavioral-General anesthetic] (RTECS)

Inhalation Toxicity: Inhalation - Rat LC50 - Lethal concentration, 50 percent kill: 16000 ppm/8H [Details of toxic effects not reported other than lethal dose value]
Inhalation - Rat LC50 - Lethal concentration, 50 percent kill: 72600 mg/m3 [Behavioral-General anestheticLungs, Thorax, or Respiration-Other changes] (RTECS)

Gum Karaya Powder:

Ingestion Toxicity: Oral - Rat LD50 - Lethal dose, 50 percent kill: 9100 mg/kg [Details of toxic effects not reported other than lethal dose value] (RTECS)

Section 12: Ecological Information

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Ecotoxicity:**Product:**

Ecotoxicity: No environmental information found for this product.

Persistence and degradability:**Product:**

Environmental Fate: No environmental information found for this product.

Section 13: Disposal Considerations

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Description of waste:

Waste Disposal: Consult with the US EPA Guidelines listed in 40 CFR Part 261.3 for the classifications of hazardous waste prior to disposal. Furthermore, consult with your state and local waste requirements or guidelines, if applicable, to ensure compliance. Arrange disposal in accordance to the EPA and/or state and local guidelines.

Section 14: Transport Information

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DOT Shipping Name: Not Restricted in accordance with CFR 49 Section 173.125(1)

DOT UN Number: Not Restricted in accordance with CFR 49 Section 173.125(1)

Notes from Section 14: The data provided in this section is for information only. Please apply the appropriate regulations to properly classify your shipment.

Section 15: Regulatory Information

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Safety, health and environmental regulations specific for the product:**Regulatory - Ingredient Based:****2-Butenedioic acid:**

Canada DSL: Listed

TSCA Inventory Status: Listed

Isopropanol (IPA):

Canada DSL: Listed

TSCA Inventory Status: Listed

Section 313: EPCRA - 40 CFR Part 372 - (SARA Title III) Section 313 Listed Chemical.

Gum Karaya Powder:

Canada DSL: Listed

TSCA Inventory Status: Listed

Section 16: Additional Information

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Issue Date: 01/15/2015

Revision Date: 2018-12-17

Disclaimer:

This product is exempt from Safety Data Sheet regulations as the product is for consumer use. The information contained in this Safety Data Sheet (SDS) is offered as a guide to the use and handling of this material. All safety aspects of all Hollister products are thoroughly evaluated prior to commercialization. This SDS has been prepared in good faith by technically knowledgeable personnel. 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 SDS. Each individual should make a determination as to the suitability of the information for his or her particular purpose(s).

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HMIS:

Health	1
Flammability	1
Reactivity	1
PPE	X

Chronic Health Hazard

NFPA:**Other Information:**

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