



## Safety Data Sheet

For Compliance with OSHA 29 CFR 1910.1200 and ANSI Z400.1-1998

Flavor, Mango Natural Powder

30-3660

### Section 1: Identification

**Product Name** Flavor, Mango Natural Powder  
**Commercial Name** Natural Flavor (Mango Type)  
**Product Use** Ingredient for use in products that may be ingested. Used in the manufacture of products for consumer  
**Restrictions On Use** Not for personal use in this form or concentration  
**Product Code** 30-3660  
**Company** PCCA  
9901 South Wilcrest  
Houston, TX 77099  
Phone: 1-800-331-2498  
Fax: 1-800-874-5760

In case of emergency contact:  
**CHEMTREC (24hr) 1-800-424-9300**

### Section 2: Hazard(s) Identification

**OSHA Haz Com:** Not available  
**CFR 1910.1200**  
**Signal Word** NON-HAZARDOUS  
**Hazard Statement(s)** Not available  
**Pictogram(s) or Symbol(s)**

#### Precautionary Statement(s):

**Prevention** Not available  
**Response** Not available  
**Storage** Not available  
**Disposal** Not available

### Section 3: Composition/Information on Ingredients

**Substance/Mixture** Mixture  
**Components** 2(3h)-Furanone, 5-Hepylidihydro-/ 1-Butanol, 3-Methyl-  
**% By Weight** 2(3h)-Furanone, 5-Hepylidihydro-:0.1-0.5% 1-Butanol, 3-Methyl-:0.5-0.5%  
**CAS#** n/a  
**Molecular Weight** n/a  
**Chemical Formula** n/a  
**Synonym(s)** n/a

#### Mixtures

Name	CAS#	% by Weight	TLV/PEL	LC50/LD50
2(3h)-Furanone, 5-Hepylidihydro-	0000104-67-6	0.1-0.5	n/a	n/a
1-Butanol, 3-Methyl-	0000123-51-3	0.5-0.5	n/a	n/a

**Section 4: First-Aid Measures**

<b>Inhalation</b>	In the event of exposure to vapors, immediately remove from the area to a fresh air environment. Individuals showing evidence of inhalation exposure should be taken to an uncontaminated area. Obtain medical advice immediately.
<b>Skin Contact</b>	Remove contaminated clothes. Wash skin with large volumes of water. If irritation persists, or any sign of tissue damage is apparent, obtain medical advice immediately.
<b>Eye Contact</b>	In the event of contact with the eyes, irrigate with water for at least fifteen minutes; obtain medical advice if irritation persists.
<b>Ingestion</b>	In the event of accidental ingestion, rinse mouth with water. Give up to one tumbler (half pint) of milk or water. Obtain medical advice immediately. Do not induce vomiting.
<b>Symptoms/Effects</b>	
<b>Acute</b>	Not available
<b>Delayed</b>	Not available.
<b>Immediate Medical Attention</b>	Not available.

**Section 5: Fire-Fighting Measures****Suitable Extinguishing Media**

In the event of fire, adequate extinguishers should be used. Avoid inhalation of smoke and fumes. In case of insufficient ventilation, wear suitable respiratory equipment. Extinguishing media: Water, foam, carbon dioxide or dry chemical.

**Unsuitable Extinguishing Media**

n/a

**Products of Combustion**

Product is a combustible powder. Like all combustible powders, it may form explosive mixtures if suspended in air.

**Firefighters Special Equipment and Precautions**

n/a

**Section 6: Accidental Release Measures**

Personal precautions, protective equipment and emergency procedures: For non-emergency personnel: Adequate protective gloves should be worn when handling spillages. No smoking. Avoid naked flames or other potential sources of ignition (e.g. electrical equipment). Avoid skin contamination and inhalation of dust. Individual washing routines should be followed after any contact. Ensure adequate ventilation in working areas following accidental release. For emergency personnel: Apply the same recommendations as above. Environmental precautions: Do not discharge directly into drains, air, into soil or into the aquatic environment. Methods and material for containment and cleaning up: For containment: Small spills can be swept up and disposed of properly. Do not allow powder to accumulate on horizontal surfaces, as an explosive dust/air mixture could occur if suddenly dispersed into the air. For cleaning-up: Spillages should be disposed of in accordance with governmental regulations.

**Section 7: Handling and Storage**

Precautions for safe handling: Keep strict control of dust accumulation to a minimum. Avoid contact with skin and eyes. Wear adequate protective gloves and eye/face protection. No smoking. Avoid any sources of ignition. Use flameproof electrical equipment and spark-reduced tools. Ensure that all equipments are properly bonding and earthing. Avoid exposing to high temperature during processing. Do not ingest or apply to the skin as such. Good personal washing routines should be followed. Maintain adequate local and general ventilation where product is handled. Protective measures: Keep strict control of dust accumulation to a minimum. Maintain adequate local and general ventilation where product is handled. Avoid any sources of ignition. Advice on general occupational hygiene: Good personal washing routines should be followed. Conditions for safe storage, including any incompatibilities: It is good general practice to store in closed, preferably full, containers away from heat sources, and protected from extremes of temperature. Do not re-use the empty container. Respect general rules for compatibility storage.

**Section 8: Exposure Controls/Personal Protection**

<b>Exposure Limits</b>	Exposure controls: Avoid exposing to high temperature during processing. Maintain adequate local and general ventilation where product is handled. Environmental exposure controls: Not available at this time. Minimize release to the environment.
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**Engineering Controls**

Appropriate engineering controls: Maintain adequate local and general ventilation where product is handled and dispensed.

**Personal Protection**

Respiratory protection: Breathing of the vapors or dust particles may be hazardous. In the absence of appropriate engineering controls such as spot ventilation, ventilated enclosures, etc., workers should avail themselves of the appropriate NIOSH approved respiratory protection. OSHA has established limits for respirable dust (PEL of 5mg/m<sup>3</sup>) TWA and Total dust (PEL of 15 mg/m<sup>3</sup>) TWA. It is recommended that when using powders that air monitoring of the workplace be conducted to ensure that these levels are not exceeded. Hand protection: Adequate protective gloves should be worn. Eye protection: Adequate safety glasses should be used. Skin protection: Wear protective clothing, overall if necessary to limit the odor contamination of personal clothing. Individual washing routings should be followed after any potential contact.

**Section 9: Physical and Chemical Properties**

<b>Appearance</b>	Beige to tan granular powder.		
<b>Odor</b>	Characteristic strong odor of mango.		
<b>Odor Threshold</b>	Not available		
<b>Melting Point</b>	Not available	<b>pH</b>	Not available
<b>Freezing Point</b>	Not available	<b>Vapor Pressure</b>	<0.1mm
<b>Boiling Point/Range</b>	Not available	<b>Vapor Density</b>	Not available
<b>Decomposition temperature</b>	Not available	<b>Viscosity</b>	Not available
<b>Partition Coefficient: n-octanol/water</b>	Not available	<b>Evaporation Rate</b>	Not available
<b>Flash Point</b>	>212F (>100C) in closed cup	<b>Autoignition temperature</b>	Not available
<b>Flammability</b>	Not available	<b>Flammability or Explosive Limits:</b>	
		<b>Lower</b>	Not available
		<b>Upper</b>	Not available
<b>Solubility(ies)</b>	Not available		
<b>Other</b>	VOC content: <1%		

**Section 10: Stability and Reactivity**

<b>Reactivity</b>	Not available
<b>Chemical Stability</b>	Presents no significant reactivity hazard. Normally stable even at elevated temperatures and pressures. Avoid temperatures above or near to the flash point. Not pyrophoric nor reactive with water. Does not undergo explosive decomposition, is shock stable, and it not an oxygen donor. Does not form explosive mixtures with other organic materials. Will not undergo exothermic polymerization.
<b>Hazardous Polymerization</b>	Hazardous decomposition products: Contact with water or storage under recommended conditions for one year should not produce dangerous decomposition products.
<b>Conditions to Avoid</b>	Avoid temperatures above or at least 5C below flash point for any flammable liquids. Do not heat closed containers. Avoid contact with oxidizing agents.
<b>Incompatible Materials</b>	Avoid strong oxidizing agents.
<b>Hazardous Decomposition Products</b>	Contact with water or storage under recommended conditions for one year should not produce dangerous decomposition products.

**Section 11: Toxicological Information**

<b>RTECS</b>	Not available
<b>Acute Toxicity</b>	This mixture has not been subjected to toxicological testing as an entity. According to available data on the constituents the health classification criteria are not met.
<b>Skin Corrosion/Irritation</b>	Not available
<b>Serious Eye Damage/Irritation</b>	Not available
<b>Respiratory or Skin Sensitization</b>	Not available
<b>Germ Cell Mutagenicity</b>	Not available

**Carcinogenicity**

Not available

**Reproductive Toxicity**

Not available

**Routes of Entry**

Not available

**Symptoms Related to Exposure**

Not available

**Potential Health Effects**

Not available

**Target Organ(s)**

Not available

**Section 12: Ecological Information****Ecotoxicity**

This mixture has not be subjected to ecotoxicological testing as an entity. According to available data on the constituents the environmental classification criteria are not met.

**Persistence and Degradability**

Not available

**Bioaccumulative Potential**

Not available

**Mobility in Soil**

Not available

**Other Adverse Effects**

Not available

**Section 13: Disposal Considerations****Waste Disposal**

Minimize release to the environment.

**Disposal of Container**

Not available

**Other Considerations**

Not available

**Section 14: Transport Information****DOT Classification**

UNO, Land transport (ADR/RID), Sea transport (IMDG-Code), Air transport (ICAO-IATA): Not regulated

**Section 15: Regulatory Information****Regulations**

n/a

**Other**

n/a

**Section 16: Other Information**

n/a