



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

Inhalation	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.
Skin Contact	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.
Eye Contact	In the event of contact with the eyes, irrigate with water for at least fifteen minutes; obtain medical advice if irritation persists.
Ingestion	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.
Symptoms/Effects	
Acute	No information available on the product itself.
Delayed	No information available on the product itself.
Immediate Medical Attention	
None known.	

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

No specific advice.

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

Exposure Limits	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/m³) TWA and Total dust (PEL of 15 mg/m³) 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

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

Solubility(ies)	Not available
Other	VOC content: <1% Particle size distribution: >150 microns Moisture content: <8% Minimum explosible concentration: Not applicable Minimum ignition energy of cloud (MIE): >1000 mJ Minimum ignition energy in layer (MIE): >1000 mJ Cloud ignition temperature [1]: >100°C Layer ignition temperature (5 mm layer according to the applicable norm) [2]: MELT°C KST: <300 bar.m/s Pmax (abs): <11 Bars St: 2 Resistivity: >1.E10 ohm.m

Section 10: Stability and Reactivity

Reactivity	No reaction known with water.
Chemical Stability	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.
Hazardous Polymerization	Not known.
Conditions to Avoid	Avoid temperatures above or at least 5C below flash point for any flammable liquids. Do not heat closed containers. Avoid contact with oxidizing agents.
Incompatible Materials	Avoid strong oxidizing agents.
Hazardous Decomposition Products	Contact with water or storage under recommended conditions for one year should not produce dangerous decomposition products.

Section 11: Toxicological Information

RTECS	Not available
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Acute Toxicity

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.

Skin Corrosion/Irritation

Not available

Serious Eye Damage/Irritation

Not available

Respiratory or Skin Sensitization

Not available

Germ Cell Mutagenicity

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**

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture: NFPA Hazard Classification: Health: 2 Flammability: 1 Reactivity: 0 This mixture contains no toxic chemical or chemicals subject to reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 29 CFR Part 1910.1200.

Other

15.2 Chemical Safety Assessment No data available at this time.

Section 16: Other Information



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