



## Safety Data Sheet

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

Pectin USP Citrus

30-1185

### Section 1: Identification

**Product Name** Pectin USP Citrus

**Commercial Name** Not available.

**Product Use** Not available

**Restrictions On Use** Not available

**Product Code** 30-1185

**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** WARNING

**Hazard Statement(s)** May form combustible dust concentrations in air

**Pictogram(s) or Symbol(s)**

#### Precautionary Statement(s):

<b>Prevention</b>	Employ good industrial hygiene practice Do not handle until all safety precautions have been read and understood. Do not breathe dust Wear protective gloves/protective clothing/eye protection/face protection Combustible dust may form combustible (explosive) dust-air mixtures Take precautionary measures against static discharges
<b>Response</b>	IF exposed or concerned: Get medical advice/attention Wash with plenty of soap and water
<b>Storage</b>	Store away from incompatible materials Keep in a dry place
<b>Disposal</b>	Dispose of contents/containers in accordance with local regulations

### Section 3: Composition/Information on Ingredients

**Substance/Mixture** Substance  
**Components** Pectin USP Citrus  
**% By Weight** 100  
**CAS#** 9000-69-5  
**Molecular Weight** Not available.  
**Chemical Formula** Not available.  
**Synonym(s)** Not available.

Mixtures				
Name	CAS#	% by Weight	TLV/PEL	LC50/LD50
Pectin USP Citrus	9000-69-5	100	Not available.	Not available.

**Section 4: First-Aid Measures**

<b>Inhalation</b>	Do not breathe dust. If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.
<b>Skin Contact</b>	Wash with plenty of soap and water.
<b>Eye Contact</b>	In case of eye contact, remove contact lens and rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.
<b>Ingestion</b>	Rinse mouth thoroughly with water.
<b>Symptoms/Effects</b>	
<b>Acute</b>	Dust contact with the eyes can lead to mechanical irritation. Contact with dust can cause mechanical irritation or drying of the skin.
<b>Delayed</b>	Dust contact with the eyes can lead to mechanical irritation. Contact with dust can cause mechanical irritation or drying of the skin.

**Immediate Medical Attention**

Treatment should be symptomatic and supportive. Ensure that medical personnel are aware of the material(s) involved, take precautions to protect themselves and prevent spread of contamination.

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

Water spray (fog). Foam. Dry chemical. Carbon dioxide (CO<sub>2</sub>).

**Unsuitable Extinguishing Media**

Not available

**Products of Combustion**

Carbon dioxide Carbon monoxide Avoid dust formation Can contain sufficient fines to cause a combustible dust explosion. Do not breathe smoke, gases or vapors generated

**Firefighters Special Equipment and Precautions**

Wear a self-contained breathing apparatus and chemical protective clothing. Water mist may be used to cool closed containers. Combustible dust may form combustible (explosive) dust-air mixtures.

**Section 6: Accidental Release Measures**

Personal precautions, protective equipment and emergency procedures: Keep unauthorized personnel away. Ensure adequate ventilation. Avoid dust formation. Use only non-sparking tools. Keep away from heat, sparks, flame and other sources of ignition (i.e., pilot lights, electric motors and static electricity). Use personal protection recommended in Section 8. For non-emergency personnel: Keep unauthorized personnel away. For emergency responders: Keep unauthorized personnel away. Use personal protection recommended in Section 8. Environmental precautions: Avoid runoff to waterways and sewers. Methods and material for containment and cleaning up: Large Spill: Do not dry sweep dust. Wet dust with water before sweeping or use a vacuum to collect dust. Small Spill: Vacuum or sweep material and place in a disposal container. The use of water wash down is not recommended unless the spilled material is already wet.

**Section 7: Handling and Storage**

Precautions for safe handling: Avoid exposure - obtain special instructions before use Do not handle until all safety precautions have been read and understood. Minimize dust generation and accumulation Do not breathe dust Ensure adequate ventilation Wear appropriate personal protective clothing to prevent skin contact Handle in accordance with good industrial hygiene and safety practice Keep away from heat/sparks/open flames/hot surfaces. - No smoking Use only non-sparking tools Conditions for safe storage, including any incompatibilities: Keep container tightly closed and dry. Store away from incompatible materials.

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

<b>Exposure Limits</b>	OSHA *Dust: OSHA has not established specific exposure limits for this material. However, OSHA has established limits for particulates not otherwise regulated (PNOR) which are the least stringent exposure limits applicable to dusts. Pectin - 9000-69-5 OSHA TWA: Not established Nuisance Dust. -- ACGIH: PEL 15 mg/m <sup>3</sup> (total dust) 5 mg/m <sup>3</sup> (respirable fraction) Not established
<b>Engineering Controls</b>	Provide a good standard of controlled ventilation (5 to 10 air changes per hour). Use exhaust ventilation to keep airborne concentrations below exposure limits. In case of insufficient ventilation, wear suitable respiratory equipment.



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### Personal Protection

Eye/Face Protection: Wear safety glasses with side shields (or goggles). Skin and Body Protection: Wear suitable protective clothing. Hand Protection: For operations where prolonged or repeated skin contact may occur, impervious gloves should be worn. Respiratory Protection: In case of inadequate ventilation wear respiratory protection. Thermal hazards: None known. Wear suitable protective clothing. Hygiene Measures: Follow general hygiene considerations recognized as common good workplace practices. The worker should wash daily at the end of each work shift, and prior to eating, drinking, smoking, etc. Environmental Exposure Controls: Dispose of in accordance with local regulations.

**Section 9: Physical and Chemical Properties**

<b>Appearance</b>	Cream to light tan Solid. Powder.		
<b>Odor</b>	Odorless.		
<b>Odor Threshold</b>	Not available		
<b>Melting Point</b>	Not available	<b>pH</b>	3.6 - 4.1 solution (1 %)
<b>Freezing Point</b>	Not available	<b>Vapor Pressure</b>	Not applicable.
<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>	Non-flammable	<b>Autoignition temperature</b>	>400°C
<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>	Soluble in water.		
<b>Other</b>	Not available.		

**Section 10: Stability and Reactivity**

<b>Reactivity</b>	Not available
<b>Chemical Stability</b>	Stable under normal conditions
<b>Hazardous Polymerization</b>	Not available
<b>Conditions to Avoid</b>	Dust formation Keep away from heat, sparks and flame Strong oxidizing agents
<b>Incompatible Materials</b>	Not available
<b>Hazardous Decomposition Products</b>	Not available

**Section 11: Toxicological Information****RTECS** RX4280000**Acute Toxicity**

Based on available data, the classification criteria are not met.

**Skin Corrosion/Irritation**

Contact with dust can cause mechanical irritation or drying of the skin.

**Serious Eye Damage/Irritation**

Non-irritant.

**Respiratory or Skin Sensitization**

Not available

**Germ Cell Mutagenicity**

Not available

**Carcinogenicity**

Not available

**Reproductive Toxicity**

Not available

**Routes of Entry**

Eye contact. Inhalation.

**Symptoms Related to Exposure**

Not available.

**Potential Health Effects**

Not available

**Target Organ(s)**

Not available

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

96-Hour LC50 Oncorhynchus mykiss (rainbow trout) 300 mg/l

**Persistence and Degradability**

Readily biodegradable.

**Bioaccumulative Potential**

Not available

**Mobility in Soil**

Not available

**Other Adverse Effects**

Not available

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

Dispose of waste product or used containers according to local regulations. Waste codes should be assigned by the user based on the application for which the product was used

**Disposal of Container**

Product residue may remain in empty containers. Empty containers should be taken to an approved waste handling site for recycling or disposal.

**Other Considerations**

Not available

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

Not a DOT controlled material (United States). This material is not classified dangerous good according to international transportation regulations (ADR/RID-IMDG-ICAO/IATA).

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

Mode of Transportation (Road, Water, Air, Rail) TDG -Canada Not regulated US DOT Not regulated ADR Not regulated RID Not regulated ADN Not regulated IATA Not regulated IMDG/IMO Not regulated ICAO Not regulated 14.1. UN number None 14.2. UN proper shipping name None 14.3. Transport hazard class(es) None 14.4. Packing group None 14.5. Environmental hazards No 14.6. Special precautions for user Not applicable 14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code Not applicable

**Other**

WHMIS Not controlled under WHMIS (Canada). (Canada);DSCL (EEC) R36- Irritating to eyes.;Lab coat.;Splash goggles.

**Section 16: Other Information**

Not available.