



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):

Prevention	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
Response	IF exposed or concerned: Get medical advice/attention Wash with plenty of soap and water
Storage	Store away from incompatible materials Keep in a dry place
Disposal	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

Inhalation	Do not breathe dust. If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.
Skin Contact	Wash with plenty of soap and water.
Eye Contact	In case of eye contact, remove contact lens and rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.
Ingestion	Rinse mouth thoroughly with water.
Symptoms/Effects	
Acute	Dust contact with the eyes can lead to mechanical irritation. Contact with dust can cause mechanical irritation or drying of the skin.
Delayed	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 (CO2).

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

Exposure Limits	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 ³ (total dust) 5 mg/m ³ (respirable fraction) Not established
Engineering Controls	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

Appearance	Cream to light tan Solid. Powder.		
Odor	Odorless.		
Odor Threshold	Not available		
Melting Point	Not available	pH	3.6 - 4.1 solution (1 %)
Freezing Point	Not available	Vapor Pressure	Not applicable.
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	Non-flammable	Autoignition temperature	>400°C
Flammability	Not available	Flammability or Explosive Limits:	
		Lower	Not available
		Upper	Not available
Solubility(ies)	Soluble in water.		
Other	Not available.		

Section 10: Stability and Reactivity

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