

**Safety Data Sheet**

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

**Section 1: Identification****Product Name** Ascorbic Acid USP Fine Powder**Commercial Name** Vitamin C**Product Use** Not available.**Restrictions On Use** Not available.**Product Code** 30-1483**Company** PCCA  
9901 South Wilcrest  
Houston, TX 77099  
Phone: 1-800-331-2498  
Fax: 1-800-874-5760In case of emergency contact:  
**CHEMTREC (24hr) 1-800-424-9300****Section 2: Hazard(s) Identification****OSHA Haz Com:** This chemical is not considered hazardous according to the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200). Not a dangerous substance or mixture according to the Globally Harmonized System (GHS).**Signal Word** NON-HAZARDOUS**Hazard Statement(s)** May form combustible dust concentrations in air.**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** Substance**Components** Ascorbic Acid**% By Weight** 100**CAS#** 50-81-7**Molecular Weight** 176.12 g/mole**Chemical Formula** C<sub>6</sub>H<sub>8</sub>O<sub>6</sub>**Synonym(s)** Ascorbic acid; 3- Keto- L- glucofuranolactone; Vitamin C; L -3 -keto- threo- hexuronic acid lactone.**Mixtures**

<b>Name</b>	<b>CAS#</b>	<b>% by Weight</b>	<b>TLV/PEL</b>	<b>LC50/LD50</b>
Ascorbic Acid	50-81-7	100	Not available.	ORAL (LD50):Acute: 11900mg/kg [Rat].

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**Section 4: First-Aid Measures**

<b>Inhalation</b>	Move to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.
<b>Skin Contact</b>	Wash off immediately with soap and plenty of water removing all contaminated clothing and shoes. Get medical attention if irritation develops. Consult a physician if necessary.
<b>Eye Contact</b>	Flush eyes with water for 15 minutes. Get medical attention if irritation occurs. If symptoms persist, call a physician.
<b>Ingestion</b>	Do not induce vomiting without medical advice. Never give anything by mouth to an unconscious person. Consult a physician if necessary.
<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**Carbon dioxide (CO<sub>2</sub>). Dry chemical. Water spray mist or foam.**Unsuitable Extinguishing Media**

Not available.

**Products of Combustion**

Carbon Monoxide, Carbon Dioxide. May be combustible at high temperatures.

**Firefighters Special Equipment and Precautions**

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

**Section 6: Accidental Release Measures**

Personal Precautions: Ensure adequate ventilation. Use personal protective equipment. Avoid contact with skin, eyes and clothing. Avoid dust formation. Remove all sources of ignition. Environmental Precautions: Prevent further leakage or spillage if safe to do so. Prevent product from entering drains. Methods and materials for containment and clean up: Stop leak if you can do it without risk. Cover with plastic sheet to prevent spreading. Sweep up and shovel into suitable containers for disposal. Clean contaminated surface thoroughly.

**Section 7: Handling and Storage**

Handling: Technical Measures/Precautions: Provide sufficient air exchange and/or exhaust in work rooms. Avoid dust formation. All equipment used when handling the product must be grounded. Keep away from incompatible materials. Safe Handling Advice Wear personal protective equipment. Avoid contact with skin, eyes and clothing. Keep away from heat and sources of ignition. Avoid dust formation. Do not ingest. Do not breathe dust. Handle in accordance with good industrial hygiene and safety practice.. Storage: Keep container tightly closed in a dry and well-ventilated place. Store at room temperature in the original container. Store away from incompatible materials. Sensitive to light. Store in light-resistant containers. Air sensitive. Oxygen sensitive. Incompatible Materials: Oxidizing agents.

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

<b>Exposure Limits</b>	Not available
<b>Engineering Controls</b>	Ensure adequate ventilation. Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. If user operations generate dust, fume or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.

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**Personal Protection**

Eye protection: Safety glasses with side-shields or Goggles Skin and body protection: Chemical resistant apron Long sleeved clothing Gloves Respiratory protection: Effective dust mask. Use a dust respirator under conditions where exposure to the substance is apparent (e.g. generation of high concentration of dust (dust clouds) , inadequate ventilation, development of respiratory tract irritation), and engineering controls are not feasible. Be sure to use an approved/certified respirator or equivalent. Other Notes: Avoid contact with skin, eyes and clothing. Wash hands before breaks and immediately after handling the product. When using, do not eat, drink or smoke.

**Section 9: Physical and Chemical Properties**

<b>Appearance</b>	Slightly yellow Crystals. Crystalline powder. Powder. Granular		
<b>Odor</b>	Not available.		
<b>Odor Threshold</b>	Not available.		
<b>Melting Point</b>	90.0°-192.0°C/374.0°-377.6°	<b>pH</b>	Not available
<b>Freezing Point</b>	Not available.	<b>Vapor Pressure</b>	Not applicable.
<b>Boiling Point/Range</b>	Decomposition temperature:	<b>Vapor Density</b>	Not available.
<b>Decomposition temperature</b>	90.0°-192.0°C/374.0°-377.6°	<b>Viscosity</b>	Not available.
<b>Partition Coefficient: n-octanol/water</b>	Not available.	<b>Evaporation Rate</b>	Not available.
<b>Flash Point</b>	Not available.	<b>Autoignition temperature</b>	660°C/1220°F
<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>			

**Section 10: Stability and Reactivity**

<b>Reactivity</b>	Not available
<b>Chemical Stability</b>	Sensitive to air. Sensitive to light. Exposure to light accelerates decomposition. Stable under recommended storage conditions
<b>Hazardous Polymerization</b>	Hazardous polymerization does not occur.
<b>Conditions to Avoid</b>	Heat. Avoid dust formation. Incompatible materials. Exposure to light. Exposure to air
<b>Incompatible Materials</b>	Oxidizing agents
<b>Hazardous Decomposition Products</b>	Carbon oxides

**Section 11: Toxicological Information****RTECS** CI7650000**Acute Toxicity**

LD50/oral/rat = 11900 mg/kg Oral LD50 Rat LD50/oral/mouse = 3367 mg/kg LD50/dermal/rabbit = No information available  
LD50/dermal/rat = No information available LC50/inhalation/rat = No information available

**Skin Corrosion/Irritation**

May cause skin irritation.

**Serious Eye Damage/Irritation**

May cause eye irritation

**Respiratory or Skin Sensitization**

May cause irritation of respiratory tract.

**Germ Cell Mutagenicity**

Mutations in microorganisms Experiments with bacteria and/or yeast have shown mutagenic effects Cytogenic analysis - hamster ovary Sister Chromatid Exchange - Hamster ovary

**Carcinogenicity**

Not considered carcinogenic

**Reproductive Toxicity**

Not available.

**Routes of Entry**

Ingestion. Inhalation.

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**Symptoms Related to Exposure**

Ingestion of large amounts may cause flushing of face, gastrointestinal tract irritation, abdominal cramps, heartburn, nausea, vomiting, hypermotility, diarrhea, acidosis, acidification of the urine which may cause kidney stones in the urinary tract and may cause renal failure. May also affect behavior (decreased reaction time and psychomotor coordination, somnolence, headache, fatigue, disturbed sleep, muscle contraction or spasticity), liver.

**Potential Health Effects**

Prolonged or repeated ingestion of high amounts may cause gastrointestinal tract irritation, abdominal cramps, heartburn, nausea, vomiting, hypermotility, diarrhea. It may also affect the liver, urinary system (formation of kidney stones due to acidification of the urine, acute renal failure), blood (changes in serum composition, changes in red blood cell count).

**Target Organ(s)** Not available.

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

Not available

**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**

Waste must be disposed of in accordance with Federal, State and Local regulation.

**Disposal of Container**

Empty containers should be taken for local recycling, recovery or waste 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**

California Prop. 65. Chemicals Known to the State of California to Cause Reproductive Toxicity: This product does not contain a chemical requiring a warning under California Prop. 65. Components CAS-No. Ascorbic Acid 50-81-7 Carcinogen Developmental Toxicity Male Reproductive Toxicity Female Reproductive Toxicity: Ascorbic Acid 50-81-7 - Not Listed. CERCLA/SARA Components CAS-No. Ascorbic Acid 50-81-7 CERCLA - Hazardous Substances and their Reportable Quantities, Section 302 Extremely Hazardous Substances and TPQs Section 302 Extremely Hazardous Substances and RQs Section 313 - Chemical Category Section 313 - Reporting de minimis Ascorbic Acid 50-81-7 - None U.S. TSCA Components CAS-No Ascorbic Acid 50-81-7 TSCA Section 5(a)2 - Chemicals With Significant New Use Rules (SNURS) TSCA 8(d) -Health and Safety Reporting Ascorbic Acid 50-81-7- Not Applicable.

**Other**

Not available.

**Section 16: Other Information**



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30-1483

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