

**Safety Data Sheet**

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

**Section 1: Identification****Product Name** AMINOLEVULINIC ACID HYDROCHLORIDE USP**Commercial Name** Not available**Product Use** Not available**Restrictions On Use** Not available**Product Code** 30-5073**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:** Skin irritation (Category 2) Eye irritation (Category 2)**CFR 1910.1200****Signal Word** WARNING**Hazard Statement(s)** Causes skin irritation. Causes serious eye irritation.**Pictogram(s) or Symbol(s)****Precautionary Statement(s):**

<b>Prevention</b>	Not available.
<b>Response</b>	P305+P251+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove Contact lenses, if present and continue rinsing
<b>Storage</b>	Not available.
<b>Disposal</b>	Not available.

**Section 3: Composition/Information on Ingredients**

<b>Substance/Mixture</b>	Substance
<b>Components</b>	5-Aminolaevulinic acid hydrochloride
<b>% By Weight</b>	N/A
<b>CAS#</b>	5451-09-2
<b>Molecular Weight</b>	167,6 g/mol
<b>Chemical Formula</b>	C <sub>5</sub> H <sub>9</sub> NO <sub>3</sub> .HCl
<b>Synonym(s)</b>	N/A

**Mixtures**

<b>Name</b>	<b>CAS#</b>	<b>% by Weight</b>	<b>TLV/PEL</b>	<b>LC50/LD50</b>
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**Section 4: First-Aid Measures**

<b>Inhalation</b>	Move victim to fresh air. If not breathing, give artificial respiration. Consult a physician.
<b>Skin Contact</b>	Wash off with soap and plenty of water. Consult a physician.
<b>Eye Contact</b>	Immediately flush eye(s) with plenty of water at least for 15 minutes. Remove contact lenses. If eye irritation persists, consult a specialist
<b>Ingestion</b>	Rinse mouth with water. Never give anything by mouth to an unconscious person. If symptoms persist, call a physician
<b>Symptoms/Effects</b>	
<b>Acute</b>	skin and serious eyes irritation.
<b>Delayed</b>	No information available.
<b>Immediate Medical Attention</b>	
No information available.	

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

Suitable extinguishing media: water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

**Unsuitable Extinguishing Media**

Specific hazards during firefighting: Carbon oxides, nitrogen oxides (NO<sub>x</sub>) and Hydrogen chloride gas.

**Products of Combustion**

Not available.

**Firefighters Special Equipment and Precautions**

Wear self-contained breathing apparatus for firefighting if necessary

**Section 6: Accidental Release Measures**

Personal precautions, protective equipment and emergency procedures: Wear respiratory protection. Avoid dust formation. Avoid breathing vapors, dust, mist or gas. Ensure adequate Ventilation. Evacuate personnel to safe areas. Environmental precautions: Do not let product enter the canalization. Avoid the entry in the environment Methods and materials for containment and cleaning up: Arrange disposal without creating dust. Sweep up and shovel. Keep in suitable, well-closed containers for disposal.

**Section 7: Handling and Storage**

Precautions for safe handling: Avoid contact with eyes and skin. Avoid formation of dust. Provide appropriate ventilation at places where dust is formed. Normal measures for preventive fire protection. Conditions for safe storage, including any incompatibilities: Keep containers tightly closed in dry, cool and well-ventilated places. Recommended storage temperature: protect from light at 2 to 8 °C

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

<b>Exposure Limits</b>	N/A
<b>Engineering Controls</b>	N/A
<b>Personal Protection</b>	Personal protective equipment: Eye/Face protection: Face shield and safety glasses. Equipment tested and approved under appropriate government standards such as NIOSH (US) or EN 166 (EU). Skin and body protection: Handle with gloves and use appropriate protective clothing. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose contaminated gloves in accordance with applicable laws and good laboratory practices. Wash and dry hands. The selected protective gloves must satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace. Respiratory protection: Where risk assessment shows air-purifying respirators to be required, use a full-face particle respirator type N100 (US) or type P3 (EN 143) respirator cartridges as a backup to the applied technical measurements. If the respirator is the only means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

**Section 9: Physical and Chemical Properties**

<b>Appearance</b>	Crystalline, white		
<b>Odor</b>	odorless		
<b>Odor Threshold</b>	no data available		
<b>Melting Point</b>	150-155 C with decomposition	<b>pH</b>	no data available
<b>Freezing Point</b>	no data available	<b>Vapor Pressure</b>	no data available
<b>Boiling Point/Range</b>	no data available	<b>Vapor Density</b>	no data available
<b>Decomposition temperature</b>	no data available	<b>Viscosity</b>	no data available
<b>Partition Coefficient: n-octanol/water</b>	no data available	<b>Evaporation Rate</b>	no data available
<b>Flash Point</b>	no data available	<b>Autoignition temperature</b>	no data available
<b>Flammability</b>	no data available	<b>Flammability or Explosive Limits:</b>	
		<b>Lower</b>	no data available
		<b>Upper</b>	no data available
<b>Solubility(ies)</b>	no data available		
<b>Other</b>	no data available		

**Section 10: Stability and Reactivity**

<b>Reactivity</b>	no data available
<b>Chemical Stability</b>	no data available
<b>Hazardous Polymerization</b>	no data available
<b>Conditions to Avoid</b>	no data available
<b>Incompatible Materials</b>	Strong Oxidizing Agents
<b>Hazardous Decomposition Products</b>	no data available

**Section 11: Toxicological Information**

**RTECS** no data available

**Acute Toxicity**  
no data available

**Skin Corrosion/Irritation**  
no data available

**Serious Eye Damage/Irritation**  
no data available

**Respiratory or Skin Sensitization**  
no data available

**Germ Cell Mutagenicity**  
no data available

**Carcinogenicity**  
IARC: No component of this product presents at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen.

**Reproductive Toxicity**  
no data available

**Routes of Entry**  
no data available

**Symptoms Related to Exposure**  
To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

**Potential Health Effects**

Causes skin irritation.Causes serious eye irritation.

**Target Organ(s)** no data available

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

no data available

**Persistence and Degradability**

no data available

**Bioaccumulative Potential**

no data available

**Mobility in Soil**

no data available

**Other Adverse Effects**

no data available

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

Contact a licensed professional waste disposal service. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber.

**Disposal of Container**

Empty containers should be taken to an approved waste handling site for Recycling or disposal. Do not re-use empty containers.

**Other Considerations**

no data available

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

UN number ADR/RID:- IMDG:- IATA:- UN Proper shipping name ADR/RID;Not dangerous goods IMDG;Not dangerous goods  
Transport hazard class ADR/RID:- IMDG:- IATA:- Packing group ADR/RID:- IMDG:- IATA:- Environmental hazards ADR/RID:No  
IMDG Marine pollutant:No IATA:No Special precautions for user No data available IATA:Not dangerous goods

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

This safety datasheet complies with the requirements of Regulation (EC) No.1907/2006. Safety, health and environmental regulations/legislation specific for the substance or mixture:No data available Chemical Safety Assessment:No data available

**Other**

N/A

**Section 16: Other Information**

N/A