

Safety Data Sheet

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

Section 1: Identification

Product Name Betaine Hydrochloride USP

Commercial Name Acido

Product Use Not available Restrictions On Use Not available

Product Code 30-1557

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: Serious Eye Damage/Eye Irritation Category 2

CFR 1910.1200

Signal Word WARNING

Hazard Statement(s) Causes serious eye irritation.

Pictogram(s) or Symbol(s)



Precautionary Statement(s):

Prevention Wash skin thoroughly after handling. Wear protective gloves, eye protection, face protection.

Response If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy

to do. Continue rinsing. If eye irritation persists: get medical advice/attention.

Storage Not available Disposal Not available

Section 3: Composition/Information on Ingredients

Substance/Mixture Substance
Components Betaine HCL

% By Weight >95

CAS# 590-46-5

Molecular Weight Chemical Formula C5H11NO2.HCI
Synonym(s) Lycine HCI

Mixtures

NameCAS#% by WeightTLV/PELLC50/LD50Betaine HCI590-46-5100Not availableLD50: Not available.LC50: Not available.

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Section 4: First-Aid Measures

Inhalation Remove from exposure, lie down. Remove to fresh air. If breathing is difficult, give oxygen. If not breathing,

give artificial respiration. Get medical attention

Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. Get **Skin Contact**

medical attention

Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Get medical attention **Eye Contact**

Ingestion

Clean mouth with water. Get medical attention Symptoms/Effects

Not available Acute Not available Delayed

Immediate Medical Attention

Treat symptomatically

Section 5: Fire-Fighting Measures

Suitable Extinguishing Media

Water spray. Carbon dioxide (CO 2). Dry chemical. Chemical foam

Unsuitable Extinguishing Media

Not available.

Products of Combustion

Nitrogen oxides (NOx). Carbon monoxide (CO). Carbon dioxide (CO2). Hydrogen chloride gas. Keep product and empty container away from heat and sources of ignition.

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

Ensure adequate ventilation. Use personal protective equipment as required. Sweep up and shovel into suitable containers for disposal. Do not let this chemical enter the environment.

Section 7: Handling and Storage

Handling: Ensure adequate ventilation. Wear personal protective equipment/face protection. Avoid contact with skin and eyes. Do not breathe dust. Do not ingest. If swallowed then seek immediate medical assistance. Storage. Keep in a dry, cool and well-ventilated place. Keep container tightly closed. Incompatible Materials. Strong oxidizing agents

Section 8: Exposure Controls/Personal Protection

This product does not contain any hazardous materials with occupational exposure limitsestablished by **Exposure Limits**

the region specific regulatory bodies.

Engineering Controls Ensure adequate ventilation, especially in confined areas. Ensure that eyewash stations and safety

showers are close to the workstation location.

Personal Protection Eye/face Protection: Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166. Skin

and body protection: Wear appropriate protective gloves and clothing to prevent skin exposure.

Respiratory Protection: Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Use a NIOSH/MSHA or European Standard EN 149 approved respirator ifexposure limits are exceeded or if irritation or other symptoms are experienced. Hygiene Measures: Handle in

accordance with good industrial hygiene and safety practice.

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Section 9: Physical and Chemical Properties

Solid. Color: White. **Appearance**

Odorless Odor **Odor Threshold** Not available.

241 °C / 465.8 °F 1 (@ 20) 50 g/l aq.sol **Melting Point** pН

Freezing Point Not available. **Vapor Pressure** Not applicable. Not available. **Vapor Density** Not available. **Boiling Point/Range** Not available. Not available. **Decomposition temperature Viscosity Partition Coefficient:** Not available. **Evaporation Rate** Not available.

n-octanol/water

Not available. Not available. **Flash Point** Autoignition temperature

Flammability Not available. Flammability or Explosive Limits:

> Not available. Lower

Not available. Upper

Solubility(ies) Soluble in water Other Not available.

Section 10: Stability and Reactivity

None known, based on information available Reactivity

Chemical Stability Stable under normal conditions.

Hazardous polymerization does not occur. **Hazardous Polymerization** Excess heat. Incompatible products. **Conditions to Avoid**

Strong oxidizing agents **Incompatible Materials**

Hazardous Decomposition Products Nitrogen oxides (NOx), Carbon monoxide (CO), Carbon dioxide (CO2), Hydrogen chloride

gas.

Section 11: Toxicological Information

BP3136000 **RTECS**

Acute Toxicity Not available

Skin Corrosion/Irritation

Not available.

Serious Eye Damage/Irritation

Severe eye irritant

Respiratory or Skin Sensitization

Not available.

Germ Cell Mutagenicity

Not available.

Carcinogenicity

Not available.

Reproductive Toxicity

Not available.

Routes of Entry

Not available

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Symptoms Related to Exposure

Not available.

Potential Health Effects

Not available.

Not available. Target Organ(s)

Section 12: Ecological Information

Ecotoxicity

Do not empty into drains

Persistance and Degradability

Soluble in water Persistence is unlikely based on information available

Bioaccumulative Potential

Not available.

Mobility in Soil

Will likely be mobile in the environment due to its water solubility.

Other Adverse Effects

Not available.

Section 13: Disposal Considerations

Waste Disposal

Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. Chemical waste generators must also consult local, regional, and national hazardous waste regulations to ensure complete and accurate classification.

Disposal of Container

Not available.

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

ARA 313 Not applicable SARA 311/312 Hazard Categories See section 2 for more information CWA (Clean Water Act) Not applicable Clean Air Act Not applicable OSHA - Occupational Safety and Health Administration Not applicable CERCLA Not applicable California Proposition 65 This product does not contain any Proposition 65 chemicals. U.S. State Right-to-Know Regulations Not applicable U.S. Department of Transportation Reportable Quantity (RQ): N DOT Marine Pollutant N DOT Severe Marine Pollutant N U.S. Department of Homeland Security This product does not contain any DHS chemicals

Other

Not controlled under WHMIS (Canada), (Canada); DSCL (EEC) R36/38- Irritating to eyes and skin.; Gloves.; Lab WHMIS coat.;Dust respirator. Be sure to use an approved/certified respirator or equivalent.;Splash goggles.

Section 16: Other Information

Not available.

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