



## Safety Data Sheet

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

4-Aminobutyric acid

30-2325

### Section 1: Identification

**Product Name** 4-Aminobutyric acid

**Commercial Name** Not available.

**Product Use** Not available.

**Restrictions On Use** Not available.

**Product Code** 30-2325

**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** NON-HAZARDOUS

**Hazard Statement(s)** Not available

**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** Gamma Amino Butyric Acid

**% By Weight** 60-100

**CAS#** 56-12-2

**Molecular Weight** 103.12 g/mole

**Chemical Formula** C<sub>4</sub>H<sub>9</sub>NO<sub>2</sub>

**Synonym(s)** Butanoic Acid, 4-Amino - (9CI); GABA

#### Mixtures

Name	CAS#	% by Weight	TLV/PEL	LC50/LD50
{4-}Aminobutyric acid	56-12-2	60-100	Not available.	ORAL (LD50): Acute: 12680 mg/kg [Mouse].

**Section 4: First-Aid Measures**

<b>Inhalation</b>	Remove casualty from exposure ensuring one's own safety whilst doing so. Consult a doctor.
<b>Skin Contact</b>	Remove all contaminated clothes and footwear immediately unless stuck to skin. Wash immediately with plenty of soap and water.
<b>Eye Contact</b>	Bathe the eye with running water for 15 minutes. Consult a doctor.
<b>Ingestion</b>	Wash out mouth with water. Consult a doctor.
<b>Symptoms/Effects</b>	
<b>Acute</b>	Skin contact: There may be irritation and redness at the site of contact. Eye contact: There may be irritation and redness. The eyes may water profusely. Ingestion: There may be soreness and redness of the mouth and throat. Inhalation: There may be irritation of the throat with a feeling of tightness in the chest. Exposure may cause coughing or wheezing.
<b>Delayed</b>	Skin contact: There may be irritation and redness at the site of contact. Eye contact: There may be irritation and redness. The eyes may water profusely. Ingestion: There may be soreness and redness of the mouth and throat. Inhalation: There may be irritation of the throat with a feeling of tightness in the chest. Exposure may cause coughing or wheezing.

**Immediate Medical Attention**

Not available

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

Suitable extinguishing media for the surrounding fire should be used.

**Unsuitable Extinguishing Media**

Not available.

**Products of Combustion**

Exposure hazards: In combustion emits toxic fumes.

**Firefighters Special Equipment and Precautions**

Advice for fire-fighters: Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.

**Section 6: Accidental Release Measures**

Personal precautions, protective equipment and emergency procedures Personal precautions: Refer to section 8 of SDS for personal protection details. If outside do not approach from downwind. If outside keep bystanders upwind and away from danger point. Mark out the contaminated area with signs and prevent access to unauthorised personnel. Do not create dust.

Environmental precautions: Environmental precautions: Do not discharge into drains or rivers. Methods and material for containment and cleaning up: Clean-up procedures: Transfer to a closable, labelled salvage container for disposal by an appropriate method.

**Section 7: Handling and Storage**

Precautions for safe handling: Handling requirements: Avoid direct contact with the substance. Ensure there is sufficient ventilation of the area. Do not handle in a confined space. Avoid the formation or spread of dust in the air. Conditions for safe storage, including any incompatibilities: Storage conditions: Store in well ventilated area. Keep container tightly closed.

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

<b>Exposure Limits</b>	Not available.
<b>Engineering Controls</b>	Ensure there is sufficient ventilation of the area.
<b>Personal Protection</b>	Respiratory protection: Respiratory protective device with particle filter. Hand protection: Protective gloves. Eye protection: Safety glasses. Ensure eye bath is to hand. Skin protection: Protective clothing. Environmental: Refer to specific Member State legislation for requirements under Community environmental legislation.

**Section 9: Physical and Chemical Properties**

<b>Appearance</b>	White. Powder.		
<b>Odor</b>	None reported		
<b>Odor Threshold</b>	Not available.		
<b>Melting Point</b>	195-204 °C	<b>pH</b>	Not available.
<b>Freezing Point</b>	Not available.	<b>Vapor Pressure</b>	Not available
<b>Boiling Point/Range</b>	247.985 °C at 760 mmHg	<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>	103.778 °C	<b>Autoignition temperature</b>	Not available.
<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>	table under recommended transport or storage conditions.
<b>Chemical Stability</b>	Stable under normal conditions.
<b>Hazardous Polymerization</b>	Not available.
<b>Conditions to Avoid</b>	Heat
<b>Incompatible Materials</b>	Strong oxidizing agents.Strong acids.
<b>Hazardous Decomposition Products</b>	Not available.

**Section 11: Toxicological Information****RTECS** ES6300000**Acute Toxicity**

Not available

**Skin Corrosion/Irritation**

Not available.

**Serious Eye Damage/Irritation**

Not available.

**Respiratory or Skin Sensitization**

Not available.

**Germ Cell Mutagenicity**

Not available.

**Carcinogenicity**

Not available

**Reproductive Toxicity**

Not available.

**Routes of Entry**

Not available

**Symptoms Related to Exposure**

Not available.

**Potential Health Effects**

Not available

**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**

Observe all federal, state, and local environmental regulations. Contact a licensed professional waste disposal service to dispose of this material. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber.

**Disposal of Container**

Not available.

**Other Considerations**

Contaminated packaging:Dispose of as unused product..

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

DOT 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**

Superfund Amendments and Reauthorization Act of 1986 (SARA) Title III requires emergency planning based on Threshold Planning Quantities (TPQs) and release reporting based on Reportable Quantities (RQs) in 40 CFR 355 (used for SARA 302, 304, 311 and 312). Components present in this product at a level which could require reporting under the statute are: NONE Superfund Amendments and Reauthorization Act of 1986 (SARA) Title III requires submission of annual report release of toxic chemicals that appear in 40 CFR 372 (used for SARA 313). This information must be included in all MSDSs that are copied and distributed for this material. Components present in this product at a level which could require reporting under the statute are: NONE;Pensylvania Right-To-Know, Hazardous substance List, Hazardous Substances and Special hazardous Substances on the list must be identified when present in products. Components present in this product at a level which could require reporting under the statute are: NONE Massachusetts Right-To-Know, Substance List (MSL) Hazardous Substances and Extraordinarily Hazardous Substances on the MSL must be identified when present in products. Components present in this product at a level which could require reporting under the statute are: NONE Comprehensive Environmental Response, Compensation, and Liability Act of 1980 (CERCLA) requires notification of the National Response Center of release of quantities of Hazardous Substances equal or greater than the reportable quantities (RQs) in 40 CFR 302.4. Components present in this product at a level which could require reporting under the statute are: NONE

**Other**

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

**Section 16: Other Information**



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The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no way shall the company be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising, even if the company has been advised of the possibility of such damages.