



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 C₄H₉NO₂

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

Inhalation	Remove casualty from exposure ensuring one's own safety whilst doing so. Consult a doctor.
Skin Contact	Remove all contaminated clothes and footwear immediately unless stuck to skin. Wash immediately with plenty of soap and water.
Eye Contact	Bathe the eye with running water for 15 minutes. Consult a doctor.
Ingestion	Wash out mouth with water. Consult a doctor.
Symptoms/Effects	
Acute	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.
Delayed	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

Exposure Limits	Not available.
Engineering Controls	Ensure there is sufficient ventilation of the area.
Personal Protection	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

Appearance	White. Powder.		
Odor	None reported		
Odor Threshold	Not available.		
Melting Point	195-204 °C	pH	Not available.
Freezing Point	Not available.	Vapor Pressure	Not available
Boiling Point/Range	247.985 °C at 760 mmHg	Vapor Density	Not available.
Decomposition temperature	Not available.	Viscosity	Not available.
Partition Coefficient: n-octanol/water	Not available.	Evaporation Rate	Not available.
Flash Point	103.778 °C	Autoignition temperature	Not available.
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	Stable under recommended transport or storage conditions.
Chemical Stability	Stable under normal conditions.
Hazardous Polymerization	Not available.
Conditions to Avoid	Heat
Incompatible Materials	Strong oxidizing agents.Strong acids.
Hazardous Decomposition Products	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.



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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; Pennsylvania 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.