

P302 + P352 + P312IF ON SKIN: Wash with plenty of water. Call a POISON

## **Safety Data Sheet**

#### Section I. Identification of the substance

Product Name: 3,6-Bis(4-aminobutyl)-2,5-piperazinedione

Catalog number: BP-40618

Supplier: Broadpharm, 6625 Top Gun Street, Suite# 103, San Diego, CA 92121, USA.

Tel: +1-858-677-6760

*Emergency Phone Number*: +1-858-886-7300

#### Section II. Hazards identification

Classification Acute toxicity, Oral (Category 4), H302

> Skin irritation (Category 2), H315 Eye irritation (Category 2A), H319

Specific target organ toxicity - single exposure (Category 3),

Respiratory system, H335

Reproductive toxicity (Category 1A), H360 Reproductive toxicity (Category 2), H361

Specific target organ toxicity, repeated exposure (Category 2),

H373

## Pictograms





Single word Danger

#### Hazards Not Otherwise Classified

H302	Harmful if swallowed.
H315	Causes skin irritation.
H319	Causes serious eye irritation.
H335	May cause respiratory irritation.
H360	May damage fertility or the unborn child.
H361	Suspected of damaging fertility or the unborn child.
H373	May cause damage to organs through prolonged or repeated
	exposure.

#### Precautionary Statement(s)

P201	Obtain special instructions before use
P202	Do not handle until all safety precautions have been read and

understood

P260 Do not breathe dust

P2.64 Wash thoroughly after handling

P270 Do not eat, drink or smoke when using this product

P280 Wear protective gloves/ protective clothing/ eye protection/ face

protection

P301 + P312 + P330IF SWALLOWED: Call a POISON CENTER/ doctor if you

feel unwell. Rinse mouth

	CENTER/ doctor if you feel unwell.
P304 + P340 + P312	IF INHALED: Remove person to fresh air and keep comfortable
	for breathing. Call a POISON CENTER/ doctor if you feel unwell.
P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes.
	Remove contact lenses, if present and easy to do. Continue rinsing.
P332 + P313	If skin irritation occurs: Get medical advice/ attention.
P337 + P313	If eye irritation persists: Get medical advice/ attention.
P308+P313	If exposed or concerned: Get medical advice/ attention.
P360	Rinse immediately contaminated clothing and skin with plenty of water before removing clothes.

# Section III. Composition and information on ingredients.

Name: 3,6-Bis(4-aminobutyl)-2,5-piperazinedione

Formula: C<sub>12</sub>H<sub>24</sub>N<sub>4</sub>O<sub>2</sub> MW: 256.4 CAS: 23409-32-7

P405

P501

#### Section IV. First aid measures

1. Skin contact: Immediately wash skin with copious amounts of water for at least 15 minutes while removing contaminated clothing and shoes. If irritation

persists, seek medical attention.

Store locked up

2. Eye contact: Immediately wash skin with copious amounts of water for at least 15

minutes. Assure adequate flushing of the eyes by separating the eyelids with

Dispose of contents/ container to approved disposal facility

fingers. If irritation persists, seek medical attention.

3.Inhalation: Remove to fresh air. In severe cases or if symptoms persist, seek medical

4. Ingestion: Wash out mouth with copious amounts of water for at least 15 minutes. Seek medical attention.

#### Section V. Fire fighting measures

In the event of a fire involving this material, alone or in combination with other materials, use dry powder or carbon dioxide extinguishers. Protective clothing and self-contained breathing apparatus should be worn.

#### Section VI. Accidental release measures

Personal precautions. Wear suitable personal protective equipment which performs

satisfactorily and meets local/state/national standards. Respiratory precaution: Wear approved mask/respirator Hand precaution: Wear suitable gloves/gauntlets Skin protection: Wear suitable protective clothing

Eye protection: Wear suitable eye protection

Methods for cleaning up: Mix with sand or similar inert absorbent material, sweep up and keep in a tightly closed container for disposal. See section 12.

Environmental precautions: Do not allow material to enter drains or water courses.

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Section VII. Handling and storage

Handling: This product should be handled only by, or under the close supervision of, those properly qualified in the handling and use of potentially hazardous chemicals, who should take into account the fire, health and chemical hazard data given on this sheet.

Storage: Store in closed vessels at -20°C.

## Section VIII. Exposure Controls / PPE

Engineering Controls: Use only in a chemical fume hood.

Personal protective equipment: Wear chemical-resistant gloves, safety goggles.

General hygiene measures: Wash thoroughly after handling. Wash contaminated clothing

before reuse.

### Section IX. Physical and chemical properties

Appearance: Solid pH: No data

Odor: No data

Boiling point: No data

Melting point: No data

Solubility: No data

Evaporation rate: No data

Relative Density: No data

Solubility: No data

Flash point: No data Partition coefficient; n-octanol/water: No data

Density: No data

Auto-ignition temperature: No data

Formula: C<sub>12</sub>H<sub>24</sub>N<sub>4</sub>O<sub>2</sub>

Decomposition temperature: No data

Molecular weight: 256.4 Viscosity: No data

#### Section X. Stability and reactivity

Conditions to avoid: Heat, flames and sparks.

Materials to avoid: Oxidizing agents.

Possible hazardous combustion products: No data available.

#### Section XI. Toxicological information

No data

## Section XII. Ecological information

No data

#### Section XIII. Disposal consideration

Arrange disposal as special waste, by licensed disposal company, in consultation with local waste disposal authority, in accordance with national and regional regulations.

## Section XIV. Transportation information

Non-hazardous for air and ground transportation.

## Section XV. Regulatory information

Indication of Danger: No data.

Risk Statement: No data.

Safety Statement: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. Wear suitable gloves and eye/face protection.

#### Section XVI. Other information

This MSDS is correct to the best of our knowledge and belief at the date of its publication but does not purport to be all inclusive and shall be used only as a guide. BroadPharm shall not be held liable for any loss, injury or damage which may result from its use. This product is for research and development use only.

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