

# SAFETY DATA SHEET

## PIPES, Free acid (Piperazine-N,N-bis(ethanesulfonic acid))

### SECTION 1: CHEMICAL AND COMPANY IDENTIFICATION

**BioShop Canada Inc.**  
5480 Mainway  
Burlington, Ontario L7L 6A4  
1-800-234-1179  
Emergency Telephone No.: 1-905-466-3832  
**Chemical Name:** Piperazine-N,N-bis(ethanesulfonic acid),  
**Catalog Number:** PIP666/PIP777

### SECTION 2 HAZARDS IDENTIFICATION

GHS Classification:  
Not hazardous according to GHS

**Potential health effects:**  
**Target Organs:** Non known  
**Eyes:** May cause irritation..  
**Skin:** May cause irritation..  
**Inhalation:** May cause irritation to respiratory tract.  
**Ingestion:** May cause irritation to GI tract if swallowed in large amounts.  
May be harmful if swallowed.  
**CHRONIC HEALTH HAZARDS:** none known.

### SECTION 3 COMPOSITION/ INGREDIENTS

|   | CAS #     | %   |
|---|-----------|-----|
| Piperazine-N,N-bis(ethanesulfonic acid) |           |     |
| :                                       | 5625-37-6 | 99+ |

Molecular Formula: C5H18N2O6S2  
Molecular Weight: 302.4

### SECTION 4 FIRST AID MEASURES

**Eyes:** Flush eyes with water . If irritation persists get medical aid immediately.  
**Skin:** In case of contact, flush area immediately with water. Get medical aid if irritation persists.  
**Inhalation:** Remove victim to fresh air. Get medical aid if irritation, coughing persists.  
**Ingestion:** Wash mouth with water. DO NOT INDUCE VOMITING. Get medical aid if any symptoms appear.

### SECTION 5 FIRE FIGHTING MEASURES

**Flammable:** No  
**Flash Point:** N/A  
**Autoignition Temperature:** N/A  
**Extinguishing Media:** Use water spray, foam, dry chemical or carbon dioxide.  
**Explosion Data:** Not available

### SECTION 6 ACCIDENTAL RELEASE MEASURES

Ventilate the area. Wear appropriate protective equipment. Sweep and place in a closed container.

### SECTION 7 HANDLING AND STORAGE

**Handling:** Avoid contact. Do not get in eyes, on skin, or clothing. Wash thoroughly after handling. Wash contaminated clothing before reuse.  
**Storage Conditions:** Room temperature.

### SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure limits:  
ACGIH, NIOSH, OSHA, none listed  
Use adequate ventilation. Avoid dust generation..  
Wear appropriate protective equipment to prevent eye and skin exposure.  
Wear appropriate respirator to prevent lung irritation.

### SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

**Physical State:** Solid  
**Appearance and Odor:** white powder, no odor  
**Freezing/Melting Point:** N/A  
**Boiling Point:** N/A  
**Specific Gravity:** N/A  
**Vapor Density:** N/A  
**Solubility:** water  
**pH:** n/a

### SECTION 10 STABILITY AND REACTIVITY:

**Stability:** Stable at normal room temperature and pressure  
**Conditions to avoid:** dust generation  
**Incompatibility** strong oxidizing agents.  
**Hazardous Decomposition Products:** oxides of phosphorus  
**Hazardous Polymerization:** Has not been reported

### SECTION 11 TOXICOLOGICAL PROPERTIES

#### Exposure Limits:

No data available

**Epidemiology:** No data available  
**Teratogenicity:** No data available  
**Reproductive Effects:** No data available  
**Neurotoxicity:** No data available  
**Mutagenicity:** No data available  
**Carcinogenicity:** not listed by ACGIH, IARC, NTP, or CA

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### SECTION 12 ECOLOGICAL INFORMATION

No information found.

### SECTION 13 DISPOSAL CONSIDERATION

**Waste Disposal:** Burn in chemical incinerator. Observe all Federal, provincial and local regulations.

### SECTION 14 TRANSPORT INFORMATION

**Shipping Information:** Not regulated

### SECTION 15 REGULATORY INFORMATION

**US :** TSCA: listed

**European/International:** N/A

**Canada:** WHMIS: not controlled

### SECTION 16 ADDITIONAL INFORMATION

#### Hazard Rating System (estimated)

| NFPA | Health | Fire | Reactivity |
|------|--------|------|------------|
|      | 0      | 0    | 0          |

Prepared By: M.Kierdelewicz (President)

Date Prepared: Dec 29/2021

Phone: (800) 234-1179

The information provided on this Material Safety Data Sheet is furnished in good faith and without warranty of any kind. The above information is believed to be correct and should be used only as a guide. BioShop Canada Inc. shall not be held liable for any damage resulting from the handling or from the contact with the above product.

Observe all federal, provincial and state laws concerning health, safety and pollution.