

## Safety Data Sheet

### GLUTARALDEHYDE BIS SODIUM BISULFITE

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## 1 IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

### 1.1 Product identifiers

Chemical Name	Glutaraldehyde Bis Sodium Bisulfite
CAS NO.	7420-89-5

### 1.2 Relevant identified uses of the substance or mixture and uses advised against

1. It is used in continuous manufacturing of Sucrose as an anti microbial compound.
2. It is used as biocide in Reverse osmosis membrane systems.
3. It is used in photographic developing solutions.

### Details of the supplier of the safety data sheet

#### COMPANY

POLYMER ADD (THAILAND) CO., LTD.  
 106, Chalarempriakiat, Lor 9, Soi 22, Yak  
 5, Nongbon, Prawet, Bangkok  
 Bangkok - 10250  
 Thailand  
 Telephone : 0804531391  
 Email - contact@polymeradd.co.th

## 2 HAZARDS IDENTIFICATION

### 2.1 Classification of the substance or mixture

No data available.

### 2.2 Labelling according Regulation (EC) No 1272/2008 [CLP]

Signal word	Warning
H302	Harmful if swallowed.
P261	Avoid breathing dust/fume/gas/mist/vapors/spray.

### 2.3 Other hazards

None

## 3 COMPOSITION/INFORMATION ON INGREDIENTS

### 3.1 Substances

#### Component

Chemical Name	Glutaraldehyde Bis Sodium Bisulfite
CAS NO	7420-89-5
EC Number	231-043-5
Molecular Formula	C <sub>5</sub> H <sub>10</sub> Na <sub>2</sub> O <sub>8</sub> S <sub>2</sub>
Molecular Weight	308.24 g/mol
Concentration	97 % Min. Other impurities and unreacted components 3 %

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## 4 FIRST AID MEASURES

### 4.1 Description of first aid measures

#### General advice

Consult a physician.

#### If inhaled

If breathed in, move person into fresh air.  
If not breathing, give artificial respiration.

#### In case of skin contact

Wash off with soap and plenty of water.

#### In case of eye contact

Flush eyes with water as a precaution.

#### If swallowed

Never give anything by mouth to an unconscious person.  
Rinse mouth with water.

### 4.2 Most important symptoms and effects, both acute and delayed

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

### 4.3 Indication of any immediate medical attention and special treatment needed

No data available.

## 5 FIREFIGHTING MEASURES

### 5.1 Extinguishing media

#### Suitable extinguishing media

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

### 5.2 Special hazards arising from the substance or mixture

Carbon oxides, sulphur oxides, sodium oxides.

### 5.3 Advice for firefighters

Wear self contained breathing apparatus for firefighting if necessary.

### 5.4 Further information

No data available.

## 6 ACCIDENTAL RELEASE MEASURES

### 6.1 Personal precautions protective equipment and emergency procedures

Avoid dust formation.  
Avoid breathing vapours, mist or gas.

### 6.2 Environmental precautions

No special environmental precautions required.

### 6.3 Methods and materials for containment and cleaning up

Sweep and shovel.  
Keep in suitable, closed containers for disposal.

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#### 6.4 Reference to other sections

For disposal see section 13.

## 7 HANDLING AND STORAGE

### 7.1 Precautions for safe handling

Provide appropriate exhaust ventilation at places where dust is formed.  
Normal measures for preventive fire protection.

### 7.2 Information about protection against explosions and fires

No data available.

### 7.3 Conditions for safe storage including any incompatibilities

Store in cool place.  
Keep container tightly closed in a dry and well-ventilated place.

### 7.4 Specific end use(s)

No data available.

## 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1 Control parameters

#### Appropriate engineering controls

General industrial hygiene practice.

#### Eye/face protection

Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN166 (EU).

#### Skin protection

Handle with gloves. Gloves must be inspected prior to use.

Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product.

Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices.

Wash and dry hands.

The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it.

#### Body Protection

Choose body protection in relation to its type, to the concentration and amount of dangerous substances, and to the specific work-place.,

The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

#### Respiratory protection

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Respiratory protection is not required.

Where protection from nuisance levels of dusts are desired, use type N95 (US) or type P1 (EN 143) dust masks.

Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

#### Control of environmental exposure

Do not empty into drains

## 9 PHYSICAL AND CHEMICAL PROPERTIES

a) Appearance	White Powder
b) Odour	No data available.
c) Odour Threshold	No data available.
pH	5.5 at 7.0
e) Melting point/freezing point	> 300 Deg C
f) Initial boiling point and boiling range	No data available.
g) Flash point	No data available.
h) Evaporation rate	No data available.
i) Flammability (solid or gas)	No data available.
j) Upper/lower flammability or explosive limits	No data available.
k) Vapour pressure	No data available.
l) Vapour density	0.6
m) Relative density	1.836g/cm <sup>3</sup>
n) Water solubility	Soluble
o) Partition coefficient: n-octanol/water	No data available.
p) Autoignition temperature	No data available.
q) Decomposition temperature	No data available.
r) Viscosity	No data available.
s) Explosive properties	No data available.
t) Oxidizing properties	No data available.

## 9.2 Other safety information

Bulk Density	No data available.
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## 10 STABILITY AND REACTIVITY

10.1 Reactivity	No data available.
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10.2	Chemical stability	Stable under normal temperatures and pressures
10.3	Possibility of hazardous reactions	No data available.
10.4	Conditions to avoid	Heat, flame, sparks, other ignition sources.
10.5	Incompatible materials	Strong oxidizing agents, Strong acids.
10.6	Hazardous decomposition products	Carbon oxides, Sodium oxides, Sulfur oxides

## 11 TOXICOLOGICAL INFORMATION

### 11.1 Information on toxicological effects

<b>Acute toxicity</b>	No data available.
<b>Skin corrosion/irritation</b>	No data available.
<b>Serious eye damage/eye irritation</b>	No data available.
<b>Respiratory or skin sensitization</b>	No data available.
<b>Germ cell mutagenicity</b>	No data available.
<b>Carcinogenicity</b>	No data available.
<b>IARC</b>	No component of this product , present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.
<b>Reproductive toxicity</b>	No data available.
<b>Specific target organ toxicity - single exposure</b>	No data available.
<b>Specific target organ toxicity - repeated exposure</b>	No data available.
<b>Signs and symptoms of exposure</b>	To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.
<b>Aspiration hazard</b>	No data available.
<b>Inhalation</b>	May be harmful if inhaled. May cause respiratory tract irritation.
<b>Ingestion</b>	May be harmful if swallowed.
<b>Skin</b>	May be harmful if absorbed through skin. May cause skin irritation.
<b>Eyes</b>	May cause eye irritation.
<b>RTECS</b>	No data available.

## 12 ECOLOGICAL INFORMATION

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12.1 Toxicity No data available.

#### 12.2 Persistence and degradability

##### Biodegradation

No data available.

12.3 Bio accumulative potential No data available.

12.4 Mobility in soil No data available.

12.5 Results of PBT and vPvB assessment No data available.

12.6 Other adverse effects No data available.

#### 13 DISPOSAL CONSIDERATIONS

##### 13.1 Waste treatment methods

##### Product

Offer surplus and non-recyclable solutions to a licensed disposal company.

##### Contaminated packaging

Dispose of as unused product.

#### 14 TRANSPORT INFORMATION

##### 14.1 UN number

##### ADR/RID

##### IMDG

##### IATA

-

-

-

##### 14.2 UN proper shipping name

##### ADR/RID

##### IMDG

##### IATA

Not dangerous goods

Not dangerous goods

Not dangerous goods

##### 14.3 Transport hazard class(es)

##### ADR/RID

##### IMDG

##### IATA

-

-

-

##### 14.4 Packaging group

##### ADR/RID

##### IMDG

##### IATA

-

-

-

##### 14.5 Environmental hazards

##### ADR/RID

##### IMDG Marine pollutant

##### IATA

No

No

No

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14.6	Special precautions for user	No data available.
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## 15 REGULATORY INFORMATION

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.

### 15.1 Safety health and environmental regulations/legislation specific for the substance or mixture

No data available.

### 15.2 Chemical Safety Assessment

No data available.

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## 16 OTHER INFORMATION

### Further information

The information contained herein is based on the present state of knowledge.  
It characterizes the product with regard to the appropriate safety precautions.  
It does not represent a guarantee of the properties of the product.

Month of Revision :- MARCH , 2022

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