

# Safety Data Sheet

DATE OF ISSUE: January 28, 2016

ISSUED BY PASCAL

<b>Product Name:</b>	<b>Glutaraldehyde Deactivator (Glycine)</b>
----------------------	---

## 1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name: Glutaraldehyde Deactivator (Glycine)  
Product Use: Deactivate glutaraldehyde  
Distributed By: Pascal International, Inc.  
Address: 2929 NE Northup  
Bellevue, Washington 98004  
Emergency Telephone (Infotrac): 1-800-535-5053, 1-352-323-3500  
Telephone: 1-425-827-4694, 1-800-426-8051  
Fax: 1-425-827-6893

## 2. HAZARDS IDENTIFICATION

### GHS Classification & Label Elements:

Not classified.

This product is not considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.122).

**Label Elements:** No labeling applicable

**Signal Word:** None

### Hazard Statements:

None under normal conditions.

## 3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Entity (Components)	CAS No.	Percentage	Classification (GHS-US)
• Glycine	56-40-6	100%	Not classified

## 4. FIRST AID MEASURES

Inhalation: Remove to fresh air. If irritation persists seek medical attention. If not breathing give artificial respiration.

Ingestion: Rinse mouth. Do not induce vomiting. Obtain emergency medical attention.

Skin: Wash well with soap and water for at least 15 minutes.

Eye: Flush well with water for at least 15 minutes. If irritation persists seek medical attention.

First Aid Facilities: Seek Medical assistance for further treatment, observation and support if necessary.

## Safety Data Sheet

DATE OF ISSUE: January 28, 2016

ISSUED BY PASCAL

<b>Product Name:</b>	<b>Glutaraldehyde Deactivator (Glycine)</b>
----------------------	---

First Aid General: Not expected to present a significant hazard under anticipated conditions of normal use. Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show label when possible).

### 5. FIRE FIGHTING MEASURES

Extinguishing Media: Foam, dry chemical powder, carbon dioxide, water spray, sand.  
Unsuitable - Do not use a heavy water stream.

Specific Hazards: None

Precautions in connection with fire: Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent firefighting water from entering environment.  
Do not enter fire area without proper protective equipment, including respiratory protection.

### 6. ACCIDENTAL RELEASE MEASURES

Emergency Procedures: Ventilate area well. Wear protective gloves, dust mask and eye wear.

Clean Up Procedure: Sweep, wipe with sponge, mop or towel. Flush with large quantities of water.

### 7. HANDLING AND STORAGE

Handling: Use original container.  
Wash hands and other exposed area with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapor.

Storage: Store in cool, well ventilated area. Keep away from oxidizing agents. Keep container closed when not in use.

- Incompatible Products Strong oxidizers. Strong acids
- Incompatible Materials Sources of ignition. Direct sunlight

# Safety Data Sheet

DATE OF ISSUE: January 28, 2016

ISSUED BY PASCAL

**Product Name:** Glutaraldehyde Deactivator (Glycine)

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Limits: TWA: 10 (mg/m<sup>3</sup>) from ACGIH (TLV) Inhalation Total  
TWA: 5 (mg/m<sup>3</sup>) from OSHA (PEL) Inhalation Respirable  
TWA: 15 (mg/m<sup>3</sup>) from OSHA (PEL) Inhalation Total. Consult local authorities for acceptable exposure limits.

Respiratory Protection: Use in well ventilated area; wear appropriate mask

Eye Protection: Safety glasses/goggles

Hand Protection: Protective gloves

Engineering controls: Standard room ventilation; Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.

Other Information: Do not eat, drink or smoke during use.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State: Solid

Appearance: Crystalline powder

Odor: None

Molecular Mass: 75.07 g/mol Color: white

pH: 5.6

Vapor Pressure: No data available

Vapor Density: No data available

Boiling Point: No data available

Freezing Point: No data available

Melting Point: 182° C

Solubility in Water: Soluble in water

Specific Gravity: 1.1607 g/cm<sup>3</sup>

Flash Point: Closed cup: >176.67° C (350° F)

Decomposition Temperature: 233° C

Flammability: May be combustible at high temperature.

## 10. STABILITY AND REACTIVITY

Chemical Stability: Stable under ordinary conditions of use and storage

Conditions to Avoid: Extremely high or low temperatures, direct sunlight.

Incompatible Materials: Reactive with oxidizing agents.

Hazardous Decomposition Products: Nitrogen oxides, carbon monoxide, carbon dioxide

Hazardous Reactions: None known

# Safety Data Sheet

DATE OF ISSUE: January 28, 2016

ISSUED BY PASCAL

<b>Product Name:</b>	<b>Glutaraldehyde Deactivator (Glycine)</b>
----------------------	---

## 11. TOXICOLOGICAL INFORMATION

Acute Toxicity:	Not classified
Hazardous Ingredient:	Glycine
	LD <sub>50</sub> (orally) RAT: 7930 mg/kg
	ATE US (oral) 7930.000 mg/kg body weight
Routes of Exposure:	Refer to Section 4 of MSDS
• Skin Corrosions/Irritation	Not classified
• Serious Eye Damage/Irritation	Not classified
• Respiratory or skin sensitization	Not classified
• Germ Cell Mutagenicity	Not classified
• Carcinogenicity	Not classified
• Reproductive toxicity	Not classified
• Specific target organ toxicity (single exposure)	Not classified
• Specific target organ toxicity (repeated exposure)	Not classified
• Aspiration Hazard	Not classified

Product is nonhazardous when used as directed.

Other Information:

NFPA Fire Hazard:	1 - Must be preheated before ignition can occur
NFPA Reactivity:	0 - Normally stable, even under fire exposure conditions and are not reactive with water.

HMIS:

• Health	0 - Minimal hazard - no significant risk to health
• Flammability	1 - Slight hazard
• Physical	0 - Minimal hazard
• Personal protection	E

Acute & Chronic Hazards:	Irritating to skin and eyes. Ingestion and inhalation may be a slight hazard.
--------------------------	---

Risk Phrases:	R38: Irritating to skin.
---------------	--------------------------

R36: Irritating to eyes.

Safety Phrases:	S24: Avoid contact with skin
-----------------	------------------------------

S37: Wear suitable gloves

S26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

## Safety Data Sheet

DATE OF ISSUE: January 28, 2016

ISSUED BY PASCAL

<b>Product Name:</b>	<b>Glutaraldehyde Deactivator (Glycine)</b>
----------------------	---

### 12. ECOLOGICAL INFORMATION

Ecotoxicity:	No additional information available
Persistence and Degradability:	Not established
Bioaccumulative potential:	Log Pow: -3.21
Mobility in soil:	No additional information is available
Other adverse effects:	Avoid release to the environment

### 13. DISPOSAL CONSIDERATIONS

Disposal Method and Containers:	Empty containers may be disposed of in waste containers.
Special Precautions:	Disposal should be carried out in compliance with federal, state, and local regulations.

### 14. TRANSPORT INFORMATION

DOT:	Not regulated for transport
Transport by sea:	No additional information available
Air Transport:	No additional information available
Hazchem code:	None allocated

### 15. REGULATORY INFORMATION

US Federal Regulations:	Listed in the US TSCA
Precautionary Phrases:	For professional in-office use only. Keep out of reach of children. Do not ingest.
Poison Schedule:	None allocated
Canada:	Listed on the Canadian DSL (Domestic Substances List) WHMIS Classification : uncontrolled product according to WHMIS classification criteria
EU Regulations:	No additional information available
AICS (Australia):	All ingredients are listed
Note:	Refer to applicable international, national and local regulations and provisions.

## Safety Data Sheet

DATE OF ISSUE: January 28, 2016

ISSUED BY PASCAL

<b>Product Name:</b>	<b>Glutaraldehyde Deactivator (Glycine)</b>
----------------------	---

<b>16. OTHER INFORMATION</b>
------------------------------

Legal Disclaimer:	Information contained in this MSDS is based on data believed to be correct. This information does not purport to be all inclusive and shall be used only as a guide. No warranty is expressed or implied regarding the accuracy of this data or the results to be obtained from the use thereof. In no event will the manufacturer or the distributor be responsible for damages of any nature whatsoever resulting from the use of or reliance upon this information.
MSDS History	Date of Issue: June 28, 2016 Replaces Issue: May 29, 2012 Changes made to previous issue: Added GHS classification information