MATERIAL SAFETY DATA SHEET

SECTION I  NAME
Product: GLYCINE
Chemical Synonyms: Simulated Urine Victim
Formula: H₂N(CH₂)₂OH & Glycine
Unit Size: up to 2.5 Kg.
C.A.S. No.: 56-10-5

SECTION II  INGREDIENTS OF MIXTURES
Principal Component(s) %  TLV Units
Glycine 100%  None established.

LOW HAZARD FOR USUAL LABORATORY HANDLING; NON-TOXIC.

SECTION III  PHYSICAL DATA
Melting Point (°F) 220°C (428°F) dec.
Boiling Point (°F) Decomposes.
Vapor Pressure (mm Hg) Negligible as solid.
Vapor Density (Air=1) 2.6
Solubility in Water 25 gms per 100 mL at 20°C.
Appearance & Odor White crystalline powder; no odor.

SECTION IV  FIRE AND EXPLOSION HAZARD DATA
Flash Point (sealed vapor) Non-flammable (NA).
Flammable Limits in Air NA
Lower Upper
Extinguisher Media Carbon dioxide (CO₂), dry chemical (ABC); water spray.

SPECIAL FIREFIGHTING PROCEDURES
In fire conditions, wear a NIOSH-approved self-contained breathing apparatus with full face piece.

UNUSUAL FIRE AND EXPLOSION HAZARDS
Fire or excessive heat may produce hazardous decomposition products; can react vigorously with oxidizing materials. May cause a dust explosion if air concentrations are sufficiently high.

SECTION V  HEALTH HAZARD DATA
Threshold Limit Value
None established. (ACGIH 1983-84).

Effects of Overexposure
INHALATION: May cause transient irritation. Skin: Low hazard for usual laboratory handling. Prolonged or repeated contact may cause dry skin. Ingestion: May cause irritation of respiratory tract, coughing, wheezing, respiratory distress and mucous membrane irritation. Exercise appropriate procedures to minimize potential hazards. EYES: Flush thoroughly with water for at least 15 minutes, lifting lower and upper eyelids occasionally. If irritation develops or persists, get medical attention. Skin: Flush with water. INHALATION: Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention. INGESTION: If swallowed, rinse mouth, give large amounts of water or milk to drink. If vomiting occurs keep head lower than body to prevent aspiration. Get immediate medical attention.

Emergency and First Aid Procedures

SECTION VI  REACTIVITY DATA
Stability Unstable Stable
Conditions to Avoid Excessive temperature and heat.

SECTION VII  SPILL OR LEAK PROCEEDURES
Steps to be taken in case material is released or spilled
Small spills: Dissolve in water and flush to sewer with copious amounts of water. Large spills: Recycle or sweep up and place in a suitable container for incineration.

Waste Disposal Method
Disposal, treatment, or disposal may be subject to Federal, State, or Local laws. These disposal guidelines are intended to be the disposal of small quantities only. Dispose of in an approved incinerator equipped with an afterburner and scrubber.

SECTION VIII  SPECIAL PROTECTION INFORMATION
Respiratory Protection: None needed in normal laboratory handling. If dusty conditions prevail, work in ventilation hood or wear a NIOSH-approved dust mask or respirator.
Vented Laboratory

SECTION IX  SPECIAL PRECAUTIONS
Precautions to be Taken
Store in a cool, dry place.

For laboratory use only. Not for drug, food or household use. Keep out of reach of children.

Revision No. 3 Date: 2/27/1985
Approved: Michael Nazale
Classified by: Condition: D.O.T.: NON-REGULATED.