

Glute Out II

An environmentally friendly neutralizer for Glutaraldehyde and OPA

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MATERIAL SAFETY DATA

EMERGENCY CONTACTS:

(800) 424-9300 CHEMTREC® Assistance
(989) 636-4400 24-Hour Emergency Phone Number
(800) 258-2436 Dow Chemical Company, Midland, MI 48674

MSDS and Product Information: (800) 862-3394

PRODUCT IDENTIFICATION

IDENTITY: **GLYCINE (832-01), Technical Grade**

EMERGENCY OVERVIEW

White Solid. Odorless. Dust explosion hazard.

COMPONENTS

| Chemical Name | Percent Present (w/w) | CAS Number |
|---------------|-----------------------|-------------|
| Glycine | 98.5 | 000056-40-6 |

HEALTH HAZARDS IDENTIFICATION

EYE: Dust may irritate eyes.
SKIN: Prolonged or repeated exposure may cause slight skin irritation. May cause itching.
INGESTION: No hazards anticipated from swallowing small amounts incidental to normal handling operations.
INHALATION: Dust may cause irritation to upper respiratory tract (nose and throat).
CANCER INFORMATION: Is believed safe under normal conditions of use.
TERATOLOGY (BIRTH DEFECTS): Birth defects are unlikely.
REPRODUCTIVE EFFECTS: No relevant information found.

FIRST AID MEASURES

EYE: Flush eyes with plenty of water.
SKIN: Wash off in flowing water or shower.
INGESTION: No adverse effects anticipated by this route of exposure incidental to proper industrial handling.
INHALATION: Remove to fresh air if effects occur. Consult a physician.
NOTE TO PHYSICIAN: No specific antidote. Treatment based on judgment of the physician in response to reactions of the patient.

FIRE FIGHTING MEASURES:

FLASH POINT & METHOD: Not applicable
AUTOIGNITION TEMPERATURE: Not applicable.
FLAMMABILITY LIMITS: Not applicable
EXTINGUISHING MEDIA: Water, carbon dioxide, dry chemical.
FIRE FIGHTING INSTRUCTIONS: Keep people away. Isolate fire area and deny unnecessary entry. Soak with water to cool and prevent re-ignition.

ACCIDENTAL RELEASE MEASURES

PROTECT PEOPLE: Clear non-emergency personnel from the area
PROTECT ENVIRONMENT: Avoid contamination of all waterways
CLEANUP: Remove with shovel. Transfer to suitable & properly labeled containers.

HANDLING AND STORAGE

HANDLING PRECAUTIONS: No special or unique handling requirements.
STORAGE PRECAUTIONS: Store in cool, dry, and well-ventilated area. Keep containers closed.

EXPOSURE CONTROLS/PERSONAL PROTECTION

PROTECTIVE EQUIPMENT: Safety glasses and gloves for routine handling. Goggles may be required in dusty areas.
SKIN PROTECTION: Wear clean, long-sleeved, body covering clothing. Use gloves impervious to this material.
RESPIRATORY PROTECTION: An organic vapor respirator with a prefilter for dust may be required in dusty atmospheres.
EXPOSURE LIMITS: (N.E. = None Established)

PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE & ODOR: White, odorless, crystalline powder.
VAPOR PRESSURE: Not available
VAPOR DENSITY: Not available
BOILING POINT: Not applicable
WATER SOLUBILITY: 25g/100g
SPECIFIC GRAVITY: 1.1
PERCENT VOLATILE: 0.2% max
MELTING POINT: Decomposes at elevated temperature

STABILITY AND REACTIVITY

CHEMICAL STABILITY: Thermally stable at typical use temperatures
CONDITIONS TO AVOID: Temperatures above 180C.
INCOMPATIBILITY WITH OTHER MATERIALS: Avoid contact with strong oxidants.

CHEMICAL REACTION

DECOMPOSITION PRODUCTS: Depends on temperature, air supply and the presence of other materials.
HAZARDOUS POLYMERIZATION: Will not occur.

DISPOSAL CONSIDERATIONS

WASTE DISPOSAL PROCEDURES: Dispose of waste product in accordance with federal, State/Provincial and local laws & regulations.

****END OF MSDS****

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