# SAFETY DATA SHEET

## SECTION 1: Identification of the substance/mixture and of the company/undertaking

### 1.1 Product identifiers

| | |
|---|---|
| Product name | Neutralized Glycolic Acid 40% Solution |
| CAS number | See Section 3 |
| Synonyms | Hydroxyacetic acid solution |

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

| | |
|---|---|
| Identified uses | Personal care. |

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

| | |
|---|---|
| Company | Lab Alley, LLC<br>12501 Pauls Valley Road<br>Austin, Texas 78737<br>U.S.A. |
| Telephone | 512-668-9918 |
| Fax | 512-886-4008 |

### 1.4 Emergency telephone

| | | |
|---|---|---|
| **Emergency Phone #** | US & Canada: 1-800-535-5053 | INFOTRAC |
| | International 1-352-323-3500 | INFOTRAC |

## SECTION 2: Hazards identification

### 2.1 Classification of the substance or mixture

**GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)**

| | |
|---|---|
| Serious Eye Damage/Eye Irritation | Category 1 |
| Skin Corrosion | Category 1B |

### 2.2 GHS Label elements, including precautionary statements

Pictogram

Signal Word: Danger

Hazard statements: Causes severe skin burns and eye damage.
Causes serious eye damage.

Precautionary statements: Prevention: Wash hands and other skin areas exposed to material thoroughly after handling. Wear protective gloves, protective clothing, eye protection and face protection.

IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

IF ON SKIN: Remove immediately all contaminated clothing. Rinse skin with water or shower. Wash contaminated clothing before reuse.

IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Immediately call a POISON CENTER or doctor.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON Center or doctor.

Storage: Store locked up.

Disposal: Dispose of contents in accordance with national and local regulations.

### 2.3 Hazards not otherwise classified (HNOC) or not covered by GHS

No information available.

## SECTION 3: Composition/information on ingredients

### 3.1 Components

| Chemical name | Common name and synonyms | CAS number | Concentration |
|---|---|---|---|
| Glycolic acid | Hydroxyacetic acid | 79-14-1 | 10 - 69% |
| Ammonium glycolate | - | 35249-89-9 | 2 - 45 % |

## SECTION 4: First aid measures

### 4.1 Description of first-aid measures

**General advice**

| | |
|---|---|
| **If inhaled** | Move to fresh air. Oxygen or artificial respiration if needed. Consult a physician. |
| **In case of skin contact** | Wash off immediately with plenty of water. Take off all contaminated clothing immediately. Consult a physician. Wash contaminated clothing before re-use. |
| **In case of eye contact** | Rinse immediately with plenty of water and seek medical advice. |
| **If swallowed** | Do NOT induce vomiting. Call a physician immediately. Never give anything by mouth to an unconscious person. |

### 4.2 Most important symptoms and effects, both acute and delayed
No applicable data available.

### 4.3 Indication of any immediate medical attention and special treatment needed
When symptoms persist or in all cases of doubt seek medical advice. Treat symptomatically.

## SECTION 5: Firefighting measures

### 5.1 Extinguishing media

| | |
|---|---|
| **Suitable extinguishing media** | Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. |
| **Unsuitable extinguishing media** | No applicable data available. |

### 5.2 Specific hazards arising from the substance or mixture
Will react with most metals, releasing potentially explosive hydrogen gas.

### 5.3 Special protective equipment and precautions for firefighters
Wear self-contained breathing apparatus and protective suit.

### 5.4 Further information

**Flash Point** No information available.

**Autoignition Temperature** No information available.

**Explosion limits**

**Upper** No data available.
**Lower** No data available.
**Sensitivity to Mechanical Impact** No information available.
**Sensitivity to Static Discharge** No information available.
**NFPA**

| Health | Flammability | Instability | Physical hazards |
|---|---|---|---|
| 2 | 0 | 0 | N/A |

## SECTION 6: Accidental release measures

### 6.1 Personal precautions, protective equipment and emergency procedures
Use personal protective equipment.

### 6.2 Environmental precautions
Try to prevent the material from entering drains or water courses.

### 6.3 Methods and materials for containment and cleaning up
Neutralize spill with lime or soda ash. If this product is spilled and not recovered, or is recovered as a waste for treatment or disposal, the CERCLA Reportable Quantity is 100 lbs. (release of an Unlisted Hazardous Waste with the Characteristic of Corrosivity.)

### 6.4 Reference to other sections
See Section 2 for full list of hazard and precaution statements.

## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

**Precautions on safe handling**
Avoid breathing mist. Avoid contact with skin, eyes and clothing. Wash hands before breaks and immediately after handling the product. Wear personal protective equipment. Provide sufficient air exchange and/or exhaust in work rooms.

**Hygiene measures**
Handle in accordance with good industrial hygiene and safety practice.

### 7.2 Conditions for safe storage, including any incompatibilities

**Storage conditions**
Keep in a well-ventilated place. Keep tightly closed. Keep away from heat.

**Incompatibilities**
Oxidizing agents Cyanides, Sulphides, active metals (such as sodium, potassium, magnesium).

## SECTION 8: Exposure controls/personal protection

### 8.1 Occupational exposure limits
Contains no substances with occupational exposure limit values.

### 8.2 Exposure controls

**Appropriate engineering controls**
Use only with adequate ventilation.

**Personal protective equipment**

**Eye/face protection**
Wear coverall chemical splash goggles.

**Skin protection**
Wear impervious gloves.

**Body Protection**
Where there is potential for skin contact have available and wear as appropriate: Complete suit protecting against chemicals.

**Respiratory protection**
When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

**Control of environmental exposure**
Do not empty into drains.

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

| | |
|---|---|
| Physical State | Liquid |
| Appearance | Clear |
| Odor | Not significant |
| Odor Threshold | No data available |
| pH | 2.1 - 4.6 |
| Melting Point/Range | ca. 25 - 40 °C (77 - 104 °F) |
| Boiling Point/Range | 100 °C (212 °F) at 760 mm Hg |
| Evaporation Rate | No data available |
| Flammability (solid) | Not applicable |

| | |
|---|---|
| Flammability or explosive limit | Not applicable |
| Upper | |
| Lower | |
| Vapor Pressure | No data available |
| Vapor Density | No data available |
| Density | 9.5 - 11 lb/gal |
| Solubility | Miscible |
| Partition coefficient; n-octanol/water | No data available |
| Autoignition Temp | Not applicable |
| Decomposition Temp | No data available |
| Viscosity | No data available |
| Molecular Formula | N/A |
| Molecular Weight | N/A |
| VOC Content(%) | No information available |
| Oxidizing properties | No information available |

### 9.2 Other safety information
No information available.

## SECTION 10: Stability and reactivity

### 10.1 Reactivity
No special reactivity has been reported.

### 10.2 Chemical stability
This product is stable under recommended storage conditions, handling and use.

### 10.3 Possibility of hazardous reactions
Hazardous polymerization does not occur.

### 10.4 Conditions to avoid
No applicable data available.

### 10.5 Incompatible materials
Oxidizing agents, Cyanides, Sulphides, active metals (such as sodium, potassium, magnesium).

### 10.6 Hazardous decomposition products
Decomposition will not occur.

## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

**Product Information, Component Information**

**Acute toxicity**

| Component | LD50 Oral | LD50 Dermal | LC50 Inhalation |
|---|---|---|---|
| Glycolic acid | 2,040 mg/kg (Rat) | - | - |

**Skin corrosion/irritation**
Corrosive after 3 minutes to 1 hour of exposure, Rabbit.

**Serious eye damage/eye irritation**
Corrosive, Rabbit.

**Respiratory or skin sensitization**
Does not cause skin sensitisation., Guinea pig.

**Germ cell mutagenicity**
Animal testing did not show any mutagenic effects.

**Carcinogenicity**

| Component | CAS | IARC | NTP | ACGIH | OSHA | Mexico |
|---|---|---|---|---|---|---|
| Glycolic acid | 79-14-1 | Not listed | Not listed | Not listed | Not listed | Not listed |

**Specific target organ toxicity - single exposure**
No data available.

**Specific target organ toxicity - repeated exposure**
No data available.

**Reproductive toxicity**
Animal testing showed no reproductive toxicity.

**Chronic effects**
No data available.

### 11.2 Additional Information
No information available.

## SECTION 12: Ecological information

### 12.1 Toxicity

| Product | | Species | Test Results |
|---|---|---|---|
| Glycolic acid | LC50 | Oncorhynchus mykiss | >100 mg/L/96h, semi-static |
| | EC50 | Daphnia magna | >100 mg/L/48h, semi-static |
| | ErC50 | Pseudokirchneriella | >100 mg/L/72h, static |

### 12.2 Persistence and degradability
Readily biodegradable.

### 12.3 Bio accumulative potential
Bioaccumulation is unlikely.

### 12.4 Mobility in soil
No data available.

### 12.5 Results of PBT and vPvB assessment
PBT/vPvB assessment not available.

### 12.6 Endocrine disrupting properties
No data available.

### 12.7 Other adverse effects
No information available.

## SECTION 13: Disposal considerations

### 13.1 Waste Disposal Methods

Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. Chemical waste generators must also consult local, regional, and national hazardous waste regulations to ensure complete and accurate classification.

## SECTION 14: Transport information

**DOT (US)**

| | |
|---|---|
| UN-no | UN3265 |
| Proper Shipping Name | Corrosive liquid, acidic, organic, n.o.s. (Glycolic Acid) |
| Hazard Class | 8 |
| Packing Group | II |

**IMDG**

| | |
|---|---|
| UN-no | UN3265 |
| Proper Shipping Name | Corrosive liquid, acidic, organic, n.o.s. (Glycolic Acid) |
| Hazard Class | 8 |
| Packing Group | II |

**IATA**

| | |
|---|---|
| UN-no | UN3265 |
| Proper Shipping Name | Corrosive liquid, acidic, organic, n.o.s. (Glycolic Acid) |
| Hazard Class | 8 |
| Packing Group | II |

## SECTION 15: Regulatory information

**US federal regulations** This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

**TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)**

Not applicable.

**CERCLA Hazardous Substance List (40 CFR 302.4)**

Not listed.

**SARA 304 Emergency release notification**

Not regulated.

**OSHA Specifically Regulated Substances (29 CFR 1910.1001-1053)**

Not regulated.

**Superfund Amendments and Reauthorization Act of 1986 (SARA)**

**SARA 302 Extremely hazardous substance**

Not listed.

**SARA 311/312 Hazardous**

See Section 2 for more information.

**SARA 313 (TRI reporting)**

Listed, Ammonia (CAS #7664-41-7).

**Other federal regulations**

**Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List**

Not regulated.

**Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)**

Not regulated.

**Safe Drinking Water Act**

Not regulated.

**FEMA Priority Substances Respiratory Health and Safety in the Flavor Manufacturing Workplace**

Not listed.

**US state regulations**

**US. Massachusetts RTK - Substance List**

Listed, Ammonia (CAS #7664-41-7).

**US. New Jersey Worker and Community Right-to-Know Act**

Listed, Ammonia (CAS #7664-41-7).

**US. Pennsylvania Worker and Community Right-to-Know Law**

Listed, Ammonia (CAS #7664-41-7).

**California Proposition 65**

Not listed.

## SECTION 16: Other information

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## SECTION 17: Disclaimer

The information provided on this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.