

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
 12501 Pauls Valley Road
 Austin, Texas 78737
 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				

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.