

# Safety Data Sheet



Buy Glycolic Acid 40% Online At  
<https://www.laballey.com/products/glycolic-acid-40>

## Neutralized Glypure™

Version 2.1

Revision Date 03/09/2020

Ref. C4176

This SDS adheres to the standards and regulatory requirements of the United States and may not meet the regulatory requirements in other countries.

### SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product name : 40% Neutralized Glycolic Acid 4.4  
Product Grade/Type :

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Product Use : Personal care, For professional users only.

Restrictions on use : Do not use product for anything outside of the above specified uses  
Manufacturer/Supplier : Lab Alley LLC  
22111 Highway 71 West, Suite 601,  
Spicewood, Texas 78669  
512-668-9918

### SECTION 2. HAZARDS IDENTIFICATION

#### Product hazard category

Skin corrosion	Category 1B
Serious eye damage/eye irritation	Category 1

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### Label content

Pictogram

:



Signal word

: Danger

Hazardous warnings

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

Hazardous prevention measures

: Wash skin thoroughly after handling.  
Wear protective gloves/ protective clothing/ eye protection/ face protection.  
IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.  
IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.  
IF INHALED: Remove person to fresh air and keep comfortable for breathing. Immediately call a POISON CENTER or doctor/ physician.  
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/ physician.  
Wash contaminated clothing before reuse.  
Store locked up.  
Dispose of contents/ container to an approved waste disposal plant.

### Other hazards

The following percentage of the mixture consists of ingredient(s) with unknown acute toxicity: 33.37 %



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### SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Component	CAS-No.	Concentration
Glycolic acid	79-14-1	10 - 69 %
Ammonium Glycolate	35249-89-9	2 - 45 %

### SECTION 4. FIRST AID MEASURES

General advice	: When symptoms persist or in all cases of doubt seek medical advice.
Inhalation	: Move to fresh air. Oxygen or artificial respiration if needed. Consult a physician.
Skin contact	: Wash off immediately with plenty of water. Take off all contaminated clothing immediately. Consult a physician. Wash contaminated clothing before re-use.
Eye contact	: Rinse immediately with plenty of water and seek medical advice.
Ingestion	: Do NOT induce vomiting. Call a physician immediately. Never give anything by mouth to an unconscious person.
Most important symptoms/effects, acute and delayed	: No applicable data available.
Protection of first-aiders	: If potential for exposure exists refer to Section 8 for specific personal protective equipment.
Notes to physician	: Treat symptomatically.

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### SECTION 5. FIREFIGHTING MEASURES

- |   |   |
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| Suitable extinguishing media                  | : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. |
| Unsuitable extinguishing media                | : No applicable data available.   |
| Specific hazards                              | : No applicable data available.   |
| Special protective equipment for firefighters | : Wear self-contained breathing apparatus and protective suit.  |
| Further information                           | : Will react with most metals, releasing potentially explosive hydrogen gas.                              |

### SECTION 6. ACCIDENTAL RELEASE MEASURES

NOTE: Review FIRE FIGHTING MEASURES and HANDLING (PERSONNEL) sections before proceeding with clean-up. Use appropriate PERSONAL PROTECTIVE EQUIPMENT during clean-up.

- |                             |   |
|-----------------------------|---|
| Safeguards (Personnel)      | : Use personal protective equipment.  |
| Environmental precautions   | : Try to prevent the material from entering drains or water courses.  |
| Spill Cleanup               | : 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.) |
| Accidental Release Measures | : No applicable data available.   |

### SECTION 7. HANDLING AND STORAGE

- |                      |  |
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| Handling (Personnel) | : Avoid breathing mist. Avoid contact with skin, eyes and clothing. Wash hands |
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before breaks and immediately after handling the product.  
Wear personal protective equipment. Provide sufficient air exchange and/or exhaust in work rooms.

Handling (Physical Aspects) : No applicable data available.  
Dust explosion class : Not applicable

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

Storage period : No applicable data available.

Storage temperature : 25 - 40 °C (77 - 104 °F)

### SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering controls : Use only with adequate ventilation.

#### Personal protective equipment

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

Hand protection : Material: Impervious gloves

Hand protection : Material: Chloroprene  
Break through time: > 480 min  
Glove thickness: 0.6 mm

Eye protection : Wear coverall chemical splash goggles.

Skin and body protection : Where there is potential for skin contact have available and wear as appropriate:  
Complete suit protecting against chemicals.

Exposure Guidelines  
Exposure Limit Values

Contains no substances with occupational exposure limit values.



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This product does not contain any exposure limits that require disclosure according to OSHA Hazard Communication Standard 2012.

### SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

#### Appearance

Physical state	: liquid
Form	: liquid
Color	: clear

Odor	: not significant
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Odor threshold	: No applicable data available.
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pH	: 2.1 - 4.6
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Melting point/freezing point	: Melting range ca. 25 - 40 °C (77 - 104 °F)
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Boiling point/boiling range	: Boiling point 100 °C (212 °F) at 760 mm Hg
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Flash point	: No applicable data available.
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Evaporation rate	: No applicable data available.
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Flammability (solid, gas)	: No applicable data available.
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Upper explosion limit	: No applicable data available.
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Lower explosion limit	: No applicable data available.
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Vapour Pressure	: No applicable data available.
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Vapour density	: No applicable data available.
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Density	: 9.5 - 11 lb/gal
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Specific gravity (Relative density)	: No applicable data available.
Water solubility	: miscible
Solubility(ies)	: No applicable data available.
Partition coefficient: n-octanol/water	: No applicable data available.
Auto-ignition temperature	: No applicable data available.
Decomposition temperature	: No applicable data available.
Viscosity, kinematic	: No applicable data available.
Viscosity, dynamic	: No applicable data available.

### SECTION 10. STABILITY AND REACTIVITY

Reactivity	: Stable under recommended storage conditions.
Chemical stability	: Stable
Possibility of hazardous reactions	: Polymerization will not occur.
Conditions to avoid	: No applicable data available.
Incompatible materials	: Oxidizing agents Cyanides, Sulphides, active metals (such as sodium, potassium, magnesium)
Hazardous decomposition products	: Decomposition will not occur.

### SECTION 11. TOXICOLOGICAL INFORMATION

Glycolic acid

Inhalation 4 h LC50 : 3.6 mg/l , Rat

Oral LD50 : 2,040 mg/kg , Rat



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Skin irritation	: Corrosive after 3 minutes to 1 hour of exposure, Rabbit
Eye irritation	: Corrosive, Rabbit
Skin sensitization	: Does not cause skin sensitisation., Guinea pig
Repeated dose toxicity	: Ingestion Rat - 90 d NOAEL: 150 mg/kg LOAEL: 300 mg/kg Method: OECD Test Guideline 408 No toxicological effects warranting significant target organ toxicity classification were seen below the recommended guidance values for classification.
Carcinogenicity	: Not classifiable as a human carcinogen. Animal testing did not show any carcinogenic effects.
Mutagenicity	: Animal testing did not show any mutagenic effects. Tests on bacterial or mammalian cell cultures did not show mutagenic effects.
Reproductive toxicity	: No toxicity to reproduction Animal testing showed no reproductive toxicity. No effects on or via lactation
Teratogenicity	: Animal testing showed effects on embryo-fetal development at levels equal to or above those causing maternal toxicity.
Ammonium Glycolate Inhalation 4 h LC50	: 3.6 mg/l , Rat Target Organs: Respiratory Tract Respiratory tract irritation Information given is based on data obtained from similar substances.
Oral LD50	: 2,040 mg/kg , Rat Information given is based on data obtained from similar substances.
Skin irritation	: Severe skin irritation, Rabbit

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Information given is based on data obtained from similar substances.

Eye irritation	: Severe eye irritation, Rabbit Information given is based on data obtained from similar substances.
Skin sensitization	: Animal test did not cause sensitization by skin contact., Guinea pig Information given is based on data obtained from similar substances.
Repeated dose toxicity	: Oral Rat - Method: OECD Test Guideline 408 No toxicologically significant effects were found., Information given is based on data obtained from similar substances.
Carcinogenicity	: Not classifiable as a human carcinogen. Animal testing did not show any carcinogenic effects. Information given is based on data obtained from similar substances.
Mutagenicity	: Animal testing did not show any mutagenic effects. Tests on bacterial or mammalian cell cultures did not show mutagenic effects. Information given is based on data obtained from similar substances.
Reproductive toxicity	: No toxicity to reproduction Animal testing showed no reproductive toxicity. Information given is based on data obtained from similar substances.
Teratogenicity	: Animal testing showed effects on embryo-fetal development at levels equal to or above those causing maternal toxicity. Information given is based on data obtained from similar substances.

### Carcinogenicity

The carcinogenicity classifications for this product and/or its ingredients have been determined according to HazCom 2012, Appendix A.6. The classifications may differ from those listed in the National Toxicology Program (NTP) Report on Carcinogens (latest edition) or those found to be a potential carcinogen in the International Agency for Research on Cancer (IARC) Monographs (latest edition).

None of the components present in this material at concentrations equal to or greater than 0.1% are listed

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by IARC, NTP, or OSHA, as a carcinogen.

### SECTION 12. ECOLOGICAL INFORMATION

#### Aquatic Toxicity

##### Glycolic acid

96 h LC50	:	Pimephales promelas (fathead minnow) 164 mg/l
72 h ErC50	:	Pseudokirchneriella subcapitata (green algae) 44 mg/l OECD Test Guideline 201
72 h NOEC	:	Pseudokirchneriella subcapitata (green algae) 20 mg/l OECD Test Guideline 201
48 h EC50	:	Daphnia magna (Water flea) 141 mg/l OECD Test Guideline 202

##### Ammonium Glycolate

96 h LC50	:	Pimephales promelas (fathead minnow) 164 mg/l OECD Test Guideline 203 Information given is based on data obtained from similar substances.
96 h LC50	:	Danio rerio (zebra fish) > 5,000 mg/l OECD Test Guideline 203 Information given is based on data obtained from similar substances.
72 h EbC50	:	Pseudokirchneriella subcapitata (green algae) 21.6 mg/l OECD Test Guideline 201 Information given is based on data obtained from similar substances.
72 h ErC50	:	Pseudokirchneriella subcapitata (green algae) 44 mg/l OECD Test Guideline 201 Information given is based on data obtained from similar substances.
72 h ErC50	:	Skeletonema costatum (marine diatom) 190 mg/l OECD Test Guideline 201 Information given is based on data obtained from similar substances.
48 h EC50	:	Daphnia magna (Water flea) 141 mg/l OECD Test Guideline 202 Information given is based on data obtained from similar substances.

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48 h EC50 : Aquatic invertebrates 226 mg/l OECD Test Guideline 202  
Information given is based on data obtained from similar substances.

### Environmental Fate

#### Glycolic acid

Bioaccumulation : Bioaccumulation is unlikely.

#### Ammonium Glycolate

Biodegradability : 78 % OECD Test Guideline 301  
Readily biodegradable  
Information given is based on data obtained from similar substances.

Bioaccumulation : Bioconcentration factor (BCF) : 3.16  
Bioaccumulation is unlikely.  
Information given is based on data obtained from similar substances.

## SECTION 13. DISPOSAL CONSIDERATIONS

Waste disposal methods - Product : Treatment, storage, transportation, and disposal must be in accordance with applicable federal, state/provincial, and local regulations. May be a RCRA hazardous waste due to the corrosivity characteristic (pH).

Contaminated packaging : Do not re-use empty containers.

## SECTION 14. TRANSPORT INFORMATION

DOT	UN number	: 3265
	Proper shipping name	: Corrosive liquid, acidic, organic, n.o.s. (Glycolic acid)
	Class	: 8
	Packing group	: II
	Labelling No.	: 8
IATA_C	UN number	: 3265

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IMDG	Proper shipping name	: Corrosive liquid, acidic, organic, n.o.s. (Glycolic acid)
	Class	: 8
	Packing group	: II
	Labelling No.	: 8
	UN number	: 3265
	Proper shipping name	: CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S. (Glycolic acid)
	Class	: 8
	Packing group	: II
	Labelling No.	: 8

### SECTION 15. REGULATORY INFORMATION

TSCA : Listed

SARA 313 Regulated  
Chemical(s) : Ammonia

This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

PA Right to Know  
Regulated Chemical(s) : Substances on the Pennsylvania Hazardous Substances List present at a concentration of 1% or more (0.01% for Special Hazardous Substances):  
Ammonia

NJ Right to Know  
Regulated Chemical(s) : Substances on the New Jersey Workplace Hazardous Substance List present at a concentration of 1% or more (0.1% for substances identified as carcinogens, mutagens or teratogens): Ammonia

California Prop. 65 : Chemicals known to the State of California to cause cancer, birth defects or any other harm: none known

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### **SECTION 16. OTHER INFORMATION**

Restrictions for use : Do not use technical grades in personal care applications due to higher level of impurities.

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The information provided in 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 guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered 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 materials or in any process, unless specified in the text.

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