



Safety Data Sheet

Section 1. Identification	
Product Identification and Item Numbers:	Glycolic Acid, Cosmetic Grade, 50% w/v (G501, G502, G504, G508)
Product Description:	Glycolic Acid, Cosmetic Grade, in Purified Water
Recommended use and restrictions on use:	N/A
Supplier:	Delasco 608 13 th Avenue Council Bluffs, IA 51501 1-712-323-3269 www.delasco.com questions@delasco.com
In Case of Emergency, Contact:	Chemtrec (24 hour) 1-800-424-9300

Section 2. Hazard(s) Identification	
Classification:	
Acute Toxicity (Category 4) Skin Corrosive (Category 1B) Eye Damage (Category 1)	
Labeling:	
Hazard symbol(s):	
	
GHS07: exclamation mark	GHS05: corrosion
Signal word:	Danger!
Hazard statements:	
H302: Harmful if swallowed. H314: Causes severe skin burns and eye damage. H318: Causes serious eye damage. H332: Harmful if inhaled.	
Precautionary statements:	
P264: Wash skin thoroughly after handling. P280: Wear protective gloves/ protective clothing/ eye protection/ face protection. P301 + P330 + P331: IF SWALLOWED: rinse mouth. Do NOT induce vomiting. P303 + P361 + P353: IF ON SKIN (or hair): Remove/ Take off immediately all contaminated clothing. Rinse skin with water/ shower. P304 + P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P310: Immediately call a POISON CENTER or doctor/ physician. P363: Wash contaminated clothing before reuse. P501: Dispose of contents/ container to an approved waste disposal plant.	

Section 3. Composition/Information on Ingredients	
Chemical Name and Concentration:	Glycolic Acid, 50% w/v
Other Names, Common Names, Synonyms:	2-Hydroxyacetic acid, 50%; 2-Hydroxyethanoic acid, 50%
CAS Number, other unique identifiers:	Mixture: Glycolic Acid CAS# 79-14-1 Water CAS# 7732-18-5
Other classified impurities or stabilizers:	N/A
Other ingredients posing health hazards:	N/A
Concentration of other hazardous ingredients:	N/A

Section 4. First-aid Measures	
Inhalation exposure:	Move the exposed person to fresh air at once. If breathing has stopped, perform artificial respiration. Get medical attention.
Skin exposure:	Take off contaminated clothing and shoes immediately. Wash off with soap and plenty of water. Consult a physician.
Eye contact:	Immediately wash (irrigate) the eyes with large amounts of water for at least 15 minutes and consult a physician. Continue rinsing eyes during transport to hospital.
Ingestion:	Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Get medical attention immediately.

Section 5. Fire Fighting Measures	
Suitable / unsuitable extinguishing media:	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Specific hazards / combustion products:	When ignited, carbon oxides may be produced.
Special protective equipment and precautions for fire-fighters:	Wear positive pressure self-contained breathing apparatus (SCBA), and chemical protective clothing.
NFPA Hazard Classification	Health – 3 Flammability – 0 Instability – 0 0-Minimal 1-Slight 2-Moderate 3-Serious 4-Severe

Section 6. Accidental Release Measures	
Personal precautions and protective equipment:	Neutralize spills with lime or soda ash. Do not touch damaged containers or spilled material unless wearing chemical protective clothing. Stop leak if you can do it without risk.
Environmental Precautions:	Prevent entry into waterways and sewers.
Containment / clean up methods:	Dilute with water and mop up, or absorb with dry earth, sand or other inert absorbent material and transfer to suitable containers for disposal as hazardous waste.

Section 7. Handling and Storage	
Precautions for safe handling:	Avoid contact with skin and eyes. Avoid inhalation of vapor or mist. Provide sufficient air exchange and/or exhaust in work rooms. Handle and open container with care. Keep containers tightly closed in a dry, cool and well-ventilated place. Avoid ignition sources and observe normal fire prevention measures.
Conditions for safe storage:	Keep containers tightly closed in a dry, cool and well-ventilated place. Separate from food and feedstuffs.
Incompatibilities to avoid:	Avoid bases, oxidizing agents, reducing agents.

Section 8. Exposure Controls and Personal Protection	
OSHA Permissible Exposure Limit (PEL):	Not available
Threshold Limit Value (TLV):	Not available
Other exposure limits:	Not available
Engineering controls:	Use fume hood or other means of adequate ventilation.
Personal protective equipment:	<p>Respiratory Protection Use adequate ventilation, such as a fume hood. May also use appropriate ventilator approved by NIOSH.</p> <p>Eye Protection Wear appropriate eye protection to prevent eye contact (chemical splash goggles recommended).</p> <p>Skin Protection Wear appropriate personal protective clothing to prevent skin contact (rubber gloves recommended).</p>
Other personal protection measures:	Provide nearby eyewash station and safety shower.

Section 9. Physical and Chemical Properties	
Appearance (physical state, color, etc.):	Slightly yellow, syrupy liquid.
Odor:	Sweet odor
Odor threshold:	Data not available
pH:	Acidic
Melting point / freezing point:	Data not available for solutions of glycolic acid.
Initial boiling point and boiling range:	Data not available for solutions of glycolic acid.
Flash point:	Data not available for solutions of glycolic acid.
Evaporation rate:	Data not available for solutions of glycolic acid.
Flammability	Data not available for solutions of glycolic acid.
Upper / lower flammability or explosive limits:	Data not available for solutions of glycolic acid.
Vapor Pressure:	Data not available for solutions of glycolic acid.
Vapor density:	Data not available for solutions of glycolic acid.
Relative density:	Data not available for solutions of glycolic acid.
Solubility:	Data not available for solutions of glycolic acid.
Partition coefficient: n-octanol/water:	Data not available for solutions of glycolic acid.
Auto-ignition temperature:	Data not available for solutions of glycolic acid.
Decomposition temperature:	Data not available for solutions of glycolic acid.
Viscosity:	Data not available for solutions of glycolic acid.

Section 10. Stability and Reactivity	
Chemical stability:	The product is stable.
Possibility of hazardous reactions:	Avoid bases, oxidizing agents, reducing agents.
Conditions to avoid (static, shock, vibration...)	Avoid bases, oxidizing agents, reducing agents.
Incompatible materials:	Avoid bases, oxidizing agents, reducing agents.
Hazardous decomposition products:	When ignited, carbon oxides may be produced.

Section 11. Toxicological Information	
Routes of exposure:	Skin, eyes, inhalation, Ingestion
Acute Symptoms (acute):	<ul style="list-style-type: none"> Inhalation: Inhalation may cause irritation of mucous membranes with upper respiratory and bronchial irritation. Eye Contact: Eye contact may cause eye corrosion with corneal or conjunctival ulceration. Permanent eye damage can occur. Skin Contact: Skin contact may cause severe skin irritation with discomfort or rash. Higher or prolonged exposure may cause skin burns or ulceration. Eye contact may cause eye corrosion with corneal or conjunctival ulceration. Permanent eye damage can occur. Ingestion: Ingestion may cause corrosion of mucous membranes with stomach discomfort, nausea, and prostration. Kidney damage or fatality may occur from gross overexposure.
Symptoms (chronic): Chronic effects from short and long term exposure:	<ul style="list-style-type: none"> Skin: Data not available. Inhalation: Data not available. Ingestion: Data not available
Numerical measures of toxicity (e.g., acute toxicity estimates):	Acute Toxicity to Animals: LC50 Inhalation - rat - male - 4 h - 3.6 mg/l (Glycollic acid) LD50: Not available.
NTP carcinogen:	Not identified
EPA carcinogen:	Not identified
ACGIH carcinogen:	Not identified
IARC potential carcinogen:	Not identified
OSHA carcinogen:	Not identified

Section 12. Ecological Information (Non-mandatory)	
Ecotoxicity (aquatic and terrestrial, where available):	Toxicity to fish <ul style="list-style-type: none"> LC50 - Danio rerio (zebra fish) - 5,000 mg/l - 96 h
Persistence and degradability:	Not available
Bioaccumulative potential:	Not available
Mobility in soil:	Not available
Other adverse effects:	Not available

Section 13. Disposal Considerations (Non-mandatory)	
Safe methods of disposal:	Contact a licensed professional waste disposal service to dispose of this material. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber. Observe all federal, state, and local environmental regulations.

Section 14. Transport Information (Non-mandatory)						
US DOT	UN number:	UN3265	Class:	8	Packing Group:	II
UN proper shipping name:			Corrosive Liquid, Acidic, Organic, n.o.s. (Glycolic Acid, Solution)			
Packing group, if applicable:			PG: II			
Environmental hazards (marine pollutant, etc...)			N/A			
Special transport precautions:			N/A			

Section 15. Regulatory Information (Non-mandatory)	
Specific safety, health, and environmental regulations:	N/A

Section 16. Other information	
Date of preparation or last revision:	September 18, 2018