Printing date 06/13/2024

Reviewed on 06/13/2024

Product identifier		
Trade name: <u>Glycolic</u> A	Acid	
Article number: G7830		
CAS Number:		
79-14-1		
EC number:		
201-180-5		
Details of the supplier of		SOLUTIONS
Manufacturer/Supplier	•	
Aqua Solutions, Inc. 6913 Highway 225		
<i>DEER PARK, TX 77536</i>	Ó	
USA		
800-256-2586		
Information departmen	t:	
Technical Coordinator		
Sherman Nelson sherma	ann@aquasolutions.org	
Technical Coordinator		
Sherman Nelson sherma • Emergency telephone m		
Chemtrec: 800-424-930		
Canutec: 613-996-6666		
Hazard(s) identifica Classification of the sub		
	bstance or mixture	
Classification of the sub	bstance or mixture	eve damage.
Classification of the sur GHS05 Corro Skin Corrosion 1B	bstance or mixture osion H314 Causes severe skin burns and	eye damage.
Classification of the sub	bstance or mixture	eye damage.
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Classification of the sur GHS05 Corro Skin Corrosion 1B	bstance or mixture osion H314 Causes severe skin burns and	eye damage.
Classification of the sur GHS05 Corro Skin Corrosion 1B Eye Damage 1 GHS07	bstance or mixture osion H314 Causes severe skin burns and H318 Causes serious eye damage.	eye damage.
Classification of the sur GHS05 Corro Skin Corrosion 1B Eye Damage 1 GHS07 Acute Toxicity - Inhalat	bstance or mixture osion H314 Causes severe skin burns and	eye damage.
Classification of the sur GHS05 Corro Skin Corrosion 1B Eye Damage 1 GHS07 Acute Toxicity - Inhalat Label elements	bstance or mixture osion H314 Causes severe skin burns and H318 Causes serious eye damage. ion 4 H332 Harmful if inhaled.	
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Classification of the sur GHS05 Corro Skin Corrosion 1B Eye Damage 1 Corrosion 1B Corrosion 1B Corr	bstance or mixture osion H314 Causes severe skin burns and H318 Causes serious eye damage. ion 4 H332 Harmful if inhaled. e substance is classified and labeled accor	eye damage. rding to the Globally Harmonized System (GF

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(Contd. of page 1) Wash thoroughly after handling. Do not eat, drink or smoke when using this product. Wear protective gloves/protective clothing/eye protection/face protection. If swallowed: Call a poison center/doctor if you feel unwell. 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. 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/doctor. Specific treatment (see on this label). Wash contaminated clothing before reuse. Store locked up. Dispose of contents/container in accordance with local/regional/national/international regulations. · Classification system: · NFPA ratings (scale 0 - 4) Health = 3Fire = 1Reactivity = 0· HMIS-ratings (scale 0 - 4) HEALTH *3 Health = *3FIRE Fire = 11 **REACTIVITY O** Reactivity = 0· Other hazards · Results of PBT and vPvB assessment · **PBT:** Not applicable. · vPvB: Not applicable. **3** Composition/information on ingredients · Chemical characterization: Substances · CAS No. Description CAS: 79-14-1 Glycolic Acid

· Identification number(s)

• EC number: 201-180-5

4 First-aid measures

\cdot Description of first aid measures

· General information:

Immediately remove any clothing soiled by the product.

Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.

• After inhalation:

Supply fresh air. If required, provide artificial respiration. Keep patient warm. Consult doctor if symptoms persist. In case of unconsciousness place patient stably in side position for transportation.

- After skin contact: Immediately wash with water and soap and rinse thoroughly.
- After eye contact: Rinse opened eye for several minutes under running water. Then consult a doctor.
- After swallowing: Drink copious amounts of water and provide fresh air. Immediately call a doctor.

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· Information for doctor:

- · Most important symptoms and effects, both acute and delayed No further relevant information available.
- · Indication of any immediate medical attention and special treatment needed

No further relevant information available.

5 Fire-fighting measures

- · Extinguishing media
- Suitable extinguishing agents: Use fire fighting measures that suit the environment.
- Special hazards arising from the substance or mixture No further relevant information available.
- · Advice for firefighters
- · Protective equipment: Mouth respiratory protective device.

6 Accidental release measures

- *Personal precautions, protective equipment and emergency procedures Wear protective equipment. Keep unprotected persons away.*
- · Environmental precautions: Do not allow to enter sewers/ surface or ground water.
- \cdot Methods and material for containment and cleaning up:
- Use neutralizing agent. Dispose contaminated material as waste according to section 13. Ensure adequate ventilation.
- **Reference to other sections** See Section 7 for information on safe handling. See Section 8 for information on personal protection equipment. See Section 13 for disposal information.
- · Protective Action Criteria for Chemicals
- · PAC-1: 25 mg/m³
- · PAC-2: 280 mg/m³
- · PAC-3: 390 mg/m³

7 Handling and storage

· Handling:

- · Precautions for safe handling
- Thorough dedusting.
- Ensure good ventilation/exhaustion at the workplace.
- Information about protection against explosions and fires: No special measures required.
- · Conditions for safe storage, including any incompatibilities

· Storage:

- · Requirements to be met by storerooms and receptacles: No special requirements.
- · Information about storage in one common storage facility: Not required.
- · Further information about storage conditions: Keep receptacle tightly sealed.
- Specific end use(s) No further relevant information available.

8 Exposure controls/personal protection

• Additional information about design of technical systems: No further data; see section 7.

· Control parameters

· Components with limit values that require monitoring at the workplace: Not required.

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(Contd. of page 2)

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. Additional information: Th	(Contd. of page 3) (Contd. of page 3)
U U	e lists that were valia during the creation were used as basis.
• Exposure controls	4
• Personal protective equipm	
• General protective and hyg	
Keep away from foodstuffs,	led and contaminated clothing.
Wash hands before breaks c	
Avoid contact with the eyes.	
Avoid contact with the eyes. Avoid contact with the eyes	
• Breathing equipment:	unu skin.
	low pollution use respiratory filter device. In case of intensive or longer exposure use
	the that is independent of circulating air.
· Protection of hands:	
dlh	
M? Protective gloves	e.
Thoreen gioves	3
	e impermeable and resistant to the product/ the substance/ the preparation.
Due to missing tests no rec	ommendation to the glove material can be given for the product/ the preparation/ the
chemical mixture.	
	ial on consideration of the penetration times, rates of diffusion and the degradation
• Material of gloves	
	e gloves does not only depend on the material, but also on further marks of quality and
varies from manufacturer to	
• Penetration time of glove n	
0	ime has to be found out by the manufacturer of the protective gloves and has to be
observed.	
• Eye protection:	
Tightly sealed go	oggles
• Body protection: Protective	e work clothing
9 Physical and chemical	nuonautias
9 I hysical and chemical	properties
· Information on basic physi	cal and chemical properties
· General Information	
· Appearance:	
Form:	Crystalline

· Appearance:		
Form:	Crystalline	
Color:	Colorless	
· Odor:	Odorless	
• Odor threshold:	Not determined.	
· pH-value:	<i><-3</i>	
•	pH below -3.	
· Change in condition		
Melting point/Melting range:	75-80 °C (167-176 °F)	
Boiling point/Boiling range:	100 °C (212 °F)	
· Flash point:	>300 °C (>572 °F)	
		(Contd. on page 5)

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		(Contd. of page
· Flammability (solid, gaseous):	Product is not flammable.	
· Decomposition temperature:	Not determined.	
· Ignition temperature:	Not determined.	
· Danger of explosion:	Product does not present an explosion hazard.	
· Explosion limits:		
Lower:	Not determined.	
Upper:	Not determined.	
· Vapor pressure at 80 °C (176 °F):	10.8 hPa (8.1 mm Hg)	
• Density at 20 °C (68 °F):	1.26 g/cm³ (10.5147 lbs/gal)	
· Bulk density:	1 kg/m ³	
· Relative density	Not determined.	
· Vapor density	Not applicable.	
• Evaporation rate	Not applicable.	
· Solubility in / Miscibility with		
Water:	Soluble.	
· Partition coefficient (n-octanol/wate	r): Not determined.	
· Viscosity:		
Dynamic:	Not applicable.	
Kinematic:	Not applicable.	
• Other information	No further relevant information available.	

10 Stability and reactivity

· Reactivity No further relevant information available.

· Chemical stability

- Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.
- · Possibility of hazardous reactions No dangerous reactions known.
- · Conditions to avoid No further relevant information available.
- · Incompatible materials: No further relevant information available.
- · Hazardous decomposition products: No dangerous decomposition products known.

11 Toxicological information

- · Information on toxicological effects
- · Acute toxicity:
- · LD/LC50 values that are relevant for classification:

Inhalative LC50/4h 1.5 mg/l (ATE)

- · Primary irritant effect:
- on the skin: Caustic effect on skin and mucous membranes.
- \cdot on the eye:
- Strong caustic effect.

Strong irritant with the danger of severe eye injury.

• Sensitization: No sensitizing effects known.

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· Additional toxicological information:

Swallowing will lead to a strong caustic effect on mouth and throat and to the danger of perforation of esophagus and stomach.

- · Carcinogenic categories
- · IARC (International Agency for Research on Cancer) Substance is not listed.
- · NTP (National Toxicology Program) Substance is not listed.
- · OSHA-Ca (Occupational Safety & Health Administration) Substance is not listed.

12 Ecological information

· Toxicity

- Aquatic toxicity: No further relevant information available.
- · Persistence and degradability No further relevant information available.
- · Behavior in environmental systems:
- · Bioaccumulative potential No further relevant information available.
- · Mobility in soil No further relevant information available.
- Additional ecological information:

· General notes:

Water hazard class 1 (Assessment by list): slightly hazardous for water

Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system. Must not reach bodies of water or drainage ditch undiluted or unneutralized.

- · Results of PBT and vPvB assessment
- · **PBT:** Not applicable.
- **vPvB:** Not applicable.
- · Other adverse effects No further relevant information available.

13 Disposal considerations

· Waste treatment methods

· Recommendation:

Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

· Uncleaned packagings:

- Recommendation: Disposal must be made according to official regulations.
- · Recommended cleansing agent: Water, if necessary with cleansing agents.

· UN-Number	
· DOT, IMDG, IATA	UN3261
· UN proper shipping name	
$\cdot DOT$	Corrosive solid, acidic, organic, n.o.s. (Hydroxyacetic Acid)
· IMDG, IATA	CORROSIVE SOLID, ACIDIC, ORGANIC, N.O.S. (Hydroxyace
,	Acid)

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	(Contd. of page
Transport hazard class(es)	
DOT	
8	
Class Label	8 Corrosive substances 8
IMDG, IATA	
P3.	
8	
Class	8 Corrosive substances
Label	8
Packing group	
DOT, IMDG, IATA	III
Environmental hazards:	
Marine pollutant:	No
Special precautions for user	Warning: Corrosive substances
Hazard identification number (Kemler code).	
EMS Number:	F-A,S-B
Segregation groups	(SGG1) Acids
Stowage Category	
Segregation Code	SG36 Stow "separated from" SGG18-alkalis. SG49 Stow "separated from" SGG6-cyanides
	5049 Slow separated from 5000-cyaniaes
Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code	Not applicable
	Not applicable.
Transport/Additional information:	
DOT	
Quantity limitations	On passenger aircraft/rail: 25 kg
	On cargo aircraft only: 100 kg
IMDG	
Limited quantities (LQ)	5 kg
Excepted quantities (EQ)	Code: El
	Maximum net quantity per inner packaging: 30 g
	Maximum net quantity per outer packaging: 1000 g
UN "Model Regulation":	UN 3261 CORROSIVE SOLID, ACIDIC, ORGANIC, N.O.
	(HYDROXYACETIC ACID), 8, III

15 Regulatory information

- Safety, health and environmental regulations/legislation specific for the substance or mixture No further relevant information available.
- · Sara
- Section 355 (extremely hazardous substances): Substance is not listed.

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· Section 313 (Specific toxic chemical listings): Substance is not listed.

· TSCA (Toxic Substances Control Act): ACTIVE

· Hazardous Air Pollutants Substance is not listed.

· Proposition 65

· Chemicals known to cause cancer: Substance is not listed.

· Chemicals known to cause reproductive toxicity for females: Substance is not listed.

· Chemicals known to cause reproductive toxicity for males: Substance is not listed.

· Chemicals known to cause developmental toxicity: Substance is not listed.

· Carcinogenic categories

- · EPA (Environmental Protection Agency) Substance is not listed.
- TLV (Threshold Limit Value) Substance is not listed.
- · NIOSH-Ca (National Institute for Occupational Safety and Health) Substance is not listed.

• *GHS label elements* The substance is classified and labeled according to the Globally Harmonized System (GHS). • *Hazard pictograms*



• Signal word Danger

· Hazard statements Harmful if inhaled.

Causes severe skin burns and eye damage.

· Precautionary statements

Do not breathe dust/fume/gas/mist/vapors/spray. Wash thoroughly after handling. Do not eat, drink or smoke when using this product. Wear protective gloves/protective clothing/eye protection/face protection. If swallowed: Call a poison center/doctor if you feel unwell. 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. 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/doctor. Specific treatment (see on this label). Wash contaminated clothing before reuse. Store locked up. Dispose of contents/container in accordance with local/regional/national/international regulations.

· Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

· Department issuing SDS: Environment protection department.

· Contact:

- Date of Preparation / Last Revision:
- Date of preparation / last revision Revision 0.1, 06/13/2024: Reviewed SDS for accuracy. MH/STN 06/13/2024 / 1.1

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· Abbreviations and acronyms: IMDG: International Maritime Code for Dangerous Goods DOT: US Department of Transportation IATA: International Air Transport Association EINECS: European Inventory of Existing Commercial Chemical Substances CAS: Chemical Abstracts Service (division of the American Chemical Society) NFPA: National Fire Protection Association (USA) HMIS: Hazardous Materials Identification System (USA) LC50: Lethal concentration, 50 percent LD50: Lethal dose, 50 percent PBT: Persistent, Bioaccumulative and Toxic vPvB: very Persistent and very Bioaccumulative NIOSH: National Institute for Occupational Safety OSHA: Occupational Safety & Health TLV: Threshold Limit Value PEL: Permissible Exposure Limit REL: Recommended Exposure Limit Acute Toxicity - Inhalation 4: Acute toxicity – Category 4 Skin Corrosion 1B: Skin corrosion/irritation - Category 1B Eye Damage 1: Serious eye damage/eye irritation - Category 1 \cdot * Data compared to the previous version altered.

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