Safety Data Sheet

OSHA HazCom Standard 29 CFR 1910.1200(g) revised in 2024 and GHS Rev 07.

Date of issue: 03/06/2025 *Reviewed on 01/14/2025*

1 Identification

· **Product identifier**

· **Trade name: Odorless Stop Bath**
· **Other means of identification**
· **Product Description:** Aqueous Acidic Solution

· **Details of the supplier of the safety data sheet**
· **Manufacturer/Supplier:**
Clayton Chemical
2630 Homestead Pl.
Rancho Dominguez, CA 90220
Telephone: (310) 538 9530
· **Emergency telephone number:**
For Chemical Emergency Spill, Leak, Fire, Exposure, or Accident
Call CHEMTREC Day or Night
Within USA and Canada: 1-800-424-9300
Outside USA and Canada: +1 703-527-3887 (collect calls accepted)

* 2 Hazard(s) identification

· **Classification of the substance or mixture**

GHS05 Corrosion

Skin corrosion 1B	H314 Causes severe skin burns and eye damage.
Eye damage 1	H318 Causes serious eye damage.

GHS07

Acute toxicity - inhalation 4	H332 Harmful if inhaled.

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

GHS05 GHS07

· **Signal word** Danger

· **Hazard-determining components of labeling:**
glycollic acid
· **Hazard statements**
Harmful if inhaled.
Causes severe skin burns and eye damage.
· **Precautionary statements**
Do not breathe dusts or mists.
Wash thoroughly after handling.
Use only outdoors or in a well-ventilated area.
Wear eye protection / face protection.
Wear protective gloves/protective clothing/eye protection/face protection.

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If swallowed: Rinse mouth. Do NOT induce vomiting.
If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or 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.

· ***Unknown acute toxicity:***
This value refers to knowledge of known, established toxicological or ecotoxicological values.
0 % of the mixture consists of component(s) of unknown toxicity.
· ***Information pertaining to particular dangers for man and environment:***
· ***Classification system:*** *NFPA/HMIS Definitions: 0-Least, 1-Slight, 2-Moderate, 3-High, 4-Extreme*
· ***NFPA ratings (scale 0 - 4)***

Health = 3
Fire = 0
Reactivity = 0

· ***HMIS-ratings (scale 0 - 4)***

*Health = *3*
Fire = 0
Reactivity = 0

· ***Other hazards***
· ***Results of PBT and vPvB assessment***
· ***PBT:*** *Not applicable.*
· ***vPvB:*** *Not applicable.*
· ***Classification according to (d)(1)(ii) of § 1910.1200***
The SDS issuer does not object to the classifications provided by importers or manufacturers of precursor products.
· ***Hazards not otherwise classified***
There are no adverse physical or health effects known that are not covered by the hazard classes of the Hazard Communications Standard.

* 3 Composition/information on ingredients

· ***Chemical characterization: Mixtures***
· ***Description:*** *Mixture of the substances listed below with nonhazardous additions.*

· ***Dangerous components:***		
CAS: 79-14-1 *RTECS: MC 5250000*	*glycollic acid* *Skin corrosion 1B, H314; Eye damage 1, H318; Acute toxicity - inhalation 4, H332*	*45–70%*

· ***Additional information:***
The exact percentages of the ingredients of this mixture are considered to be proprietary and are withheld in accordance with the provisions of paragraph (i) of §1910.1200 of 29 CFR 1910.1200 Trade Secrets.

* 4 First-aid measures

· ***Description of first aid measures***
· ***General information:***
If symptoms persist, call a physician.

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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:***
Immediate medical treatment necessary. Failure to treat burns can prevent wounds from healing.
Immediately wash with water and soap and rinse thoroughly.
If skin irritation occurs, consult a doctor.

· ***After eye contact:***
Rinse opened eye for several minutes under running water. Then consult a doctor.
Have eyes examined and tested by medical personnel.
Seek immediate medical attention.
If easy to do so, remove contact lenses if worn.

· ***After swallowing:***
Drink milk or water.
Do not induce vomiting.
Get medical attention immediately.

· ***Most important symptoms and effects, both acute and delayed*** *No further relevant information available.*

· ***Indication of any immediate medical attention and special treatment needed*** *Treat symptomatically.*

* 5 Fire-fighting measures

· ***Extinguishing media***

· ***Suitable extinguishing agents:***
Use fire fighting measures that suit the environment.
CO2, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

· ***For safety reasons unsuitable extinguishing agents:*** *No further relevant information.*

· ***Special hazards arising from the substance or mixture*** *Thermal decomposition products are toxic and corrosive.*

· ***Advice for firefighters***

· ***Protective equipment:***
As in any fire, wear self-contained breathing apparatus pressure-demand (NIOSH approved or equivalent) and full protective gear to prevent contact with skin and eyes.

* 6 Accidental release measures

· ***Personal precautions, protective equipment and emergency procedures***
Avoid contact with skin, eyes and clothing.
Mount respiratory protective device.
Wear protective equipment. Keep unprotected persons away.

· ***Environmental precautions:***
Dilute with plenty of water.
Do not allow to enter sewers / surface or ground water.

· ***Methods and material for containment and cleaning up:***
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Use neutralizing agent.
Dispose contaminated material as waste according to section 13.
Ensure adequate ventilation.

· ***Protective Action Criteria for Chemicals***
Protective Action Criteria (PACs) are essential components for planning and response to uncontrolled releases of hazardous chemicals.

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· **PAC-1:**
PAC 1: Mild, transient health effects.

79-14-1	glycollic acid	25 mg/m³

· **PAC-2:**
PAC 2: Irreversible or other serious health effects that could impair the ability to take protective action.

79-14-1	glycollic acid	280 mg/m³

· **PAC-3:**
PAC 3: Life-threatening health effects.

79-14-1	glycollic acid	390 mg/m³

· **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.

* 7 Handling and storage

· **Precautions for safe handling**
Avoid contact with skin, eyes and clothing.
Ensure good ventilation/exhaustion at the workplace.
Prevent formation of aerosols.
· **Information about protection against explosions and fires:** Keep respiratory protective device available.

· **Conditions for safe storage, including any incompatibilities**
· **Storage:**
· **Requirements to be met by storerooms and receptacles:**
Store in a well-ventilated place.
Keep container tightly closed.
Do not store or consume food, drink or tobacco in an area where they may become contaminated with this material.
· **Information about storage in one common storage facility:** See Section 10 (Incompatible materials)
· **Further information about storage conditions:** Keep receptacle tightly sealed.
· **Specific end use(s)** No further relevant information available.

* 8 Exposure controls/personal protection

· **Control parameters**
· **Components with limit values that require monitoring at the workplace:**
The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.
· **Additional information:** The lists that were valid during the creation of this SDS were used as basis.

· **Exposure controls**
Ventilation must be adequate to maintain the ambient workplace atmosphere below the exposure limit(s) outlined in the SDS. Where acceptable concentrations cannot be maintained by general mechanical ventilation, local exhaust ventilation is recommended.
· **Appropriate engineering controls** No further data; see section 7.
· **Personal protective equipment:**
· **General protective and hygienic measures:**
Keep away from foodstuffs, beverages and feed.
Immediately remove all soiled and contaminated clothing.
Wash hands before breaks and at the end of work.
Avoid contact with the eyes and skin.

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· ***Breathing equipment:***
In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use respiratory protective device that is independent of circulating air.
· ***Protection of hands:***

Protective gloves

· ***Material of gloves*** *Acid resistant gloves.*
· ***Penetration time of glove material***
The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.
· ***Eye protection:***

Tightly sealed goggles

· ***Body protection:***

Apron

· ***Limitation and supervision of exposure into the environment*** *None*

* 9 Physical and chemical properties

· ***Information on basic physical and chemical properties***
· ***General Information***

· ***Physical state***	*Liquid*
· ***Color:***	*Purple*
· ***Odor:***	*Odorless*
· ***Odor threshold:***	*Not determined.*
· ***Melting point/Melting range:***	*Undetermined.*
· ***Boiling point/Boiling range:***	*100 °C (212 °F)*
· ***Flammability:***	*Not applicable.*
· ***Explosion limits:***	
· ***Lower:***	*Not determined.*
· ***Upper:***	*Not determined.*
· ***Flash point:***	*Not applicable.*
· ***Auto igniting:***	*1,010 °C (33.810 °F)*
· ***Decomposition temperature:***	*Not determined.*
· ***pH-value:***	*Not determined.*
· ***Viscosity:***	
· ***Kinematic:***	*Not determined.*
· ***Dynamic:***	*Not determined.*
· ***Solubility in / Miscibility with***	
· ***Water:***	*Fully miscible.*
· ***Partition coefficient (n-octanol/water):***	*Not determined.*
· ***Vapor pressure at 20 °C (68 °F):***	*23 hPa (17.3 mm Hg)*
· ***Vapor pressure:***	
· ***Density at 20 °C (68 °F):***	*1.18488 g/cm³ (9.88782 lbs/gal)*
· ***Relative density***	*Not determined.*
· ***Bulk density:***	*1,185 kg/m³*

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· **Vapor density** Not determined.
· **Particle characteristics** Not applicable.

· **Other information**
· **Appearance:**
· **Form:** Liquid
· **Important information on protection of health and environment, and on safety.**
· **Ignition temperature:** Product is not self-igniting.
· **Danger of explosion:** Product does not present an explosion hazard.
· **Solvent content:**
· **Water:** 30.0 %
· **VOC content:** 0.00 %
0.0 g/l / 0.00 lb/gal
· **Solids content:** 70.5 %
· **Change in condition**
· **Oxidizing properties** None
· **Evaporation rate** Not determined.

10 Stability and reactivity

· **Reactivity**
The product is stable under normal conditions.
No further relevant information available.
· **Chemical stability** Stable under normal conditions.
· **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:**		
ATE (Acute Toxicity Estimate)		
Inhalative	LC50/4 h	2.14 mg/l

79-14-1 glycollic acid		
Oral	LD50	1,950 mg/kg (rat)

· **Primary irritant effect:**
· **on the skin:** Caustic effect on skin and mucous membranes.
· **on the eye:**
Strong caustic effect.
Strong irritant with the danger of severe eye injury.
· **Sensitization:** No sensitizing effects known.
· **Additional toxicological information:**
The product shows the following dangers according to internally approved calculation methods for preparations:
Harmful
Corrosive
Irritant

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

· **Interactive effects** No interactive effects between components are known.

· **Carcinogenic categories**

· **IARC (International Agency for Research on Cancer)**
None of the ingredients is listed.

· **NTP (National Toxicology Program)**
None of the ingredients is listed.

· **OSHA-Ca (Occupational Safety & Health Administration)**
None of the ingredients is listed.

· **Alternative sources for toxicological information** No non-standard sources for toxicological information were used.

* 12 Ecological information

· **Toxicity**
· **Aquatic toxicity:** No further relevant information available.
· **Persistence and degradability** No further relevant information available.
· **Bioaccumulative potential** No further relevant information available.
· **Mobility in soil** No further relevant information available.
· **Results of PBT and vPvB assessment**
· **PBT:** Not applicable.
· **vPvB:** Not applicable.
· **Other adverse effects**
· **Additional ecological information:**
· **General notes:**
Water hazard class 1 (Self-assessment): 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.

13 Disposal considerations

· **Waste treatment methods**
· **Recommendation:**
Must not be disposed of together with household garbage. Do not allow product to reach sewage system.
Observe all federal, state and local environmental regulations when disposing of this material.

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

* 14 Transport information

· **UN-Number**
· **DOT, IMDG, IATA** UN2922
· **UN proper shipping name**
· **DOT** Corrosive liquids, toxic, n.o.s. (glycollic acid)
· **IMDG** CORROSIVE LIQUID, TOXIC, N.O.S. (glycollic acid)
· **IATA** Corrosive liquid, toxic, n.o.s. (glycollic acid)

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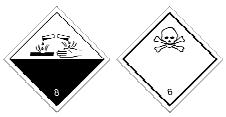
· **Transport hazard class(es)**

· **DOT**

· **Class**	8 Corrosive substances
· **Label**	8, 6.1

· **IMDG**



· **Class**	8 Corrosive substances
· **Label**	8/6.1

· **IATA**

· **Class**	8 Corrosive substances
· **Label**	8 (6.1)
· **Packing group**	
· **DOT, IMDG, IATA**	III
· **Environmental hazards:**	Not applicable.
· **Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code**	Not applicable.

· **Transport/Additional information:**

· **DOT**

· **Quantity limitations**	On passenger aircraft/rail: 5 L On cargo aircraft only: 60 L

· **IMDG**

· **Limited quantities (LQ)**	5L
· **Excepted quantities (EQ)**	Code: E1 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 1000 ml
· **Special precautions for user**	Warning: Corrosive substances
· **Hazard identification number (Kemler code):**	86
· **EMS Number:**	F-A,S-B
· **Segregation groups**	(SGG1) Acids
· **Stowage Category**	B
· **Stowage Code**	SW2 Clear of living quarters.
· **UN "Model Regulation":**	UN 2922 CORROSIVE LIQUID, TOXIC, N.O.S. (GLYCOLLIC ACID), 8 (6.1), III

* 15 Regulatory information

· **Safety, health and environmental regulations/legislation specific for the substance or mixture**
No further relevant information available.

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· **Sara**

· **Section 355 (extremely hazardous substances):**

None of the ingredients is listed.

· **Section 313 (Specific toxic chemical listings):**

None of the ingredients is listed.

· **TSCA (Toxic Substances Control Act):**

79-14-1	glycollic acid	ACTIVE
7732-18-5	water, distilled, conductivity or of similar purity	ACTIVE

· **Hazardous Air Pollutants**

None of the ingredients is listed.

· **Proposition 65**

· **Chemicals known to cause cancer:**

None of the ingredients is listed.

· **Chemicals known to cause reproductive toxicity for females:**

None of the ingredients is listed.

· **Chemicals known to cause reproductive toxicity for males:**

None of the ingredients is listed.

· **Chemicals known to cause developmental toxicity:**

None of the ingredients is listed.

· **New Jersey Right-to-Know List:**

None of the ingredients is listed.

· **New Jersey Special Hazardous Substance List:**

None of the ingredients is listed.

· **Pennsylvania Right-to-Know List:**

None of the ingredients is listed.

· **Pennsylvania Special Hazardous Substance List:**

None of the ingredients is listed.

· **Carcinogenic categories**

· **EPA (Environmental Protection Agency)**

None of the ingredients is listed.

· **TLV (Threshold Limit Value)**

None of the ingredients is listed.

· **NIOSH-Ca (National Institute for Occupational Safety and Health)**

None of the ingredients is listed.

· **GHS label elements** The product is classified and labeled according to the Globally Harmonized System (GHS).

· **Hazard pictograms**

GHS05 GHS07

· **Signal word** Danger

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· ***Hazard-determining components of labeling:***
glycollic acid
· ***Hazard statements***
Harmful if inhaled.
Causes severe skin burns and eye damage.
· ***Precautionary statements***
Do not breathe dusts or mists.
Wash thoroughly after handling.
Use only outdoors or in a well-ventilated area.
Wear eye protection / face protection.
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 [or 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

The information and recommendations in this safety data sheet are, to the best of our knowledge, accurate as of the date of issue. Nothing herein shall be deemed to create warranty, expressed or implied, and shall not establish a legally valid contractual relationship. It is the responsibility of the user to determine applicability of this information and the suitability of the material or product for any particular purpose.

· ***SDS created by:*** *Access GHS, LLC - 888-363-4870 - Team@access-ghs-sds.com*
· ***Date of previous version*** *07/15/2015*
· ***Version number of previous version:*** *1*
· ***Date of preparation*** *03/06/2025*
· ***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
ELINCS: European List of Notified Chemical Substances
CAS: Chemical Abstracts Service (division of the American Chemical Society)
NFPA: National Fire Protection Association (USA)
HMIS: Hazardous Materials Identification System (USA)
VOC: Volatile Organic Compounds (USA, EU)
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 and Health
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
· **** Data compared to the previous version altered.***