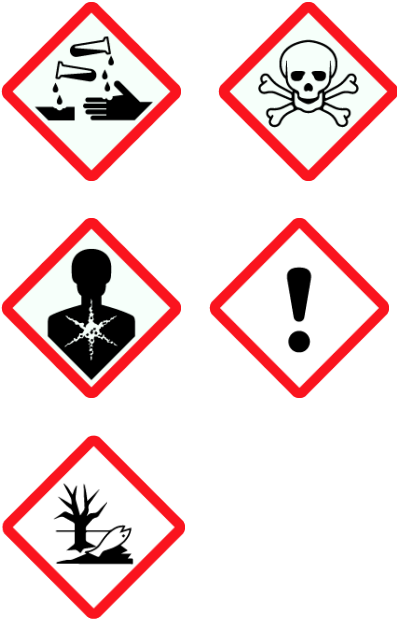


Job Hazard Analysis: Chemical Use

<p>Glutaraldehyde (Glutaraldehyde, 25 wt%)</p> 	<p>Workplace Hazardous Materials Information System</p> <p>Personal Protective Equipment (PPE) Required:</p> <p>Wear protective gloves/protective clothing/eye protection/face protection. Do not breathe dust/fumes/gas/mist/vapors/spray. Wash skin thoroughly after handling. Use only outdoors or in a well-ventilated area. Contaminated work clothing should not be allowed out of the workplace. Avoid breathing dust/fume/gas/mist/vapors/spray. Do not handle until all safety precautions have been read and understood. Use personal protective equipment as required.</p>
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Hazards: Toxic if swallowed [Danger Acute toxicity, oral]. Causes severe skin burns and eye damage [Danger Skin corrosion/irritation]. May cause an allergic skin reaction [Warning Sensitization, Skin]. Toxic if inhaled [Danger Acute toxicity, inhalation]. May cause allergy or asthma symptoms or breathing difficulties if inhaled [Danger Sensitization, respiratory]. Very toxic to aquatic life [Warning Hazardous to the aquatic environment, acute hazard].

(Review supplier Safety Data Sheets (SDS) for complete hazard information)

Job Steps	Hazards	Controls
1. Receiving and Storing Glutaraldehyde	<ul style="list-style-type: none"> • Exposure to vapors or spills • Skin contact with liquid • Improper storage leading to leaks or reactions 	<ul style="list-style-type: none"> • Use appropriate PPE: gloves, goggles, and laboratory coat • Store in a well-ventilated area, away from incompatible substances • Ensure proper labeling and secure storage to prevent leaks
2. Handling and Preparing Solutions	<ul style="list-style-type: none"> • Inhalation of fumes • Skin and eye contact • Spill or splash during mixing 	<ul style="list-style-type: none"> • Use appropriate PPE: gloves, goggles, and laboratory coat • Perform work in a fume hood or well-ventilated area • Follow proper procedures for mixing and handling to avoid spills
3. Application and Use in Processes	<ul style="list-style-type: none"> • Prolonged exposure to vapors • Accidental release or spill • Contact with eyes, skin, or mucous membranes 	<ul style="list-style-type: none"> • Use appropriate PPE: gloves, goggles, and laboratory coat • Limit exposure time and ensure adequate ventilation • Have spill kits and emergency showers/eyewash stations readily available
4. Cleaning and Disposal	<ul style="list-style-type: none"> • Exposure during cleaning of equipment • Improper disposal methods leading to environmental contamination • Inhalation of fumes during disposal 	<ul style="list-style-type: none"> • Use appropriate PPE: gloves, goggles, and laboratory coat • Follow protocols for cleaning and decontaminating equipment • Dispose of waste according to local regulations and ensure it is in properly labeled containers

Description of Activities	Control Measures
Emergency Procedures	<ul style="list-style-type: none"> • Spill Response: <ul style="list-style-type: none"> ○ Evacuate the area and alert others ○ Use spill containment materials to control the spill ○ Clean up using appropriate PPE and disposal methods • First Aid: <ul style="list-style-type: none"> ○ Inhalation: Move to fresh air immediately and seek medical attention if symptoms persist ○ Skin Contact: Rinse skin thoroughly with water for at least 15 minutes; remove contaminated clothing ○ Eye Contact: Rinse eyes with water for at least 15 minutes and seek medical attention ○ Ingestion: Seek immediate medical attention; do not induce vomiting
Training	<p>Employees should:</p> <ul style="list-style-type: none"> • Be trained on glutaraldehyde hazards and safe handling procedures • Be trained on the use of PPE and emergency response procedures • Regularly review SDS for glutaraldehyde.

Description of Activities	Control Measures
Review and Monitoring	<ul style="list-style-type: none"> • Conduct regular audits to ensure compliance with safety procedures • Monitor air quality in areas where glutaraldehyde is used • Review and update the Job Hazard Analysis (JHA) periodically or when new hazards are identified

Resource: National Library of Medicine – Pub Chem - [Glutaraldehyde](#)

This resource is intended for informational purposes only and should not replace laboratory-specific procedures. References to non-CDC resources do not constitute or imply endorsement by CDC or U.S. Department of Health and Human Services.

This job aid is a component of the free, on-demand CDC training course “Fundamentals of Working Safely with Formaldehyde and Glutaraldehyde”. Find the course at <https://reach.cdc.gov/training>