

Glutaraldehyde Calibration Standard MSDS

Section 1. Chemical Identification: Glutaraldehyde Solution
Emergency Contact Details: PPM Technology Ltd, Cibyn Ind Estate, Caernarfon, Wales
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Section 2. Hazards Identifications:

Signal Word: Danger
 Hazard Statements: H302,314, 332, 317, 334,335, 410
 Precautionary Statements: P261, 270, 280, 284, 303,
 304, 310, 338 and 340.



Section 3. Composition of Ingredients

Ingredient	CAS No:	%	Symbol(s)	Risk Phases
Glutaraldehyde	111-30-8	< 2 % w/w	Toxic	23/24/25-34-40/42/43-50

Section 4. First Aid Measures: Inhalation: Remove to fresh air. If breathing is difficult, give oxygen. Seek medical attention. Ingestion: Rinse out mouth with water and give plenty of water to drink. Do not induce vomiting. Seek medical attention immediately. Skin Contact: Flush skin with plenty of water for at least 15 minutes. Remove contaminated clothing. If irritation persists seek medical advice. Eye Contact: Rinse immediately with plenty of water for at least 15 minutes, lifting the eyelid and avoiding contamination of unaffected eye. Seek medical advice.

Section 5. Fire Fighting Measures: Extinguishing Media: CO₂, dry powder or foam. Use extinguishing media appropriate to surrounding conditions. Emits toxic fumes under fire conditions. Wear breathing apparatus and personal protective equipment (PPE).

Section 6. Accidental Release Measures: Wear appropriate PPE. Beware of sharp glass shards if outer tube has been broken. Sweep up, place in a bag and hold for waste disposal. Ventilate area & wash area after material pick up is complete.

Section 7. Handling & Storage: Handle the calibration standard under good ventilation conditions to avoid breathing in any fumes using suitable PPE. Store in cool, dry area away from sources of ignition.

Section 8. Exposure Controls: Handle in well ventilated conditions in accordance with industrial H&S practices. Wear suitable PPE.

Ingredient	8 hour TWA	Short term
Glutaraldehyde	0.05 PPM	0.05 PPM (15 minutes)

Section 9. Physical & Chemical Properties:

	Appearance	pH	Boiling Point	Odour	Solubility
Formaldehyde	Colourless liquid	5.5 - 8	101°C	Sharp Fruity	Miscible

Section 10. Stability & Reactivity: Stable. Protect from moisture. Avoid naked flames, strong oxidising agents and bases.

Section 11. Toxicological Information: Can cause severe irritation to the skin, eyes and respiratory tract. Toxic by inhalation and can cause burns to skin, respiratory tract and throat if ingested. Prolonged exposure can cause headaches, nausea and vomiting.

Section 12. Ecological Information: Data not yet available

Section 13. Disposal Considerations: If expired, the Glutaraldehyde will be spent up and standard can be disposed of by landfill at an approved site, however consult local regulations before disposal. Care should be taken when disposing since the outer tube is glass, which could smash causing, cuts. It is recommended the calibration standard be wrapped in tissue/ bubble wrap when disposing. A fresh standard should be disposed by incineration by a licensed waste material processor.

Section 14. Transport Information: No special requirements since less than 2% Glutaraldehyde.

Section 15. Regulatory Information: Very Toxic S-phase(s) 26-45-61

Section 16. Other Information: This information is believed to be correct and based on current knowledge.