

Paraformaldehyde (1%)

Quick method

Purchase from Santa Cruz. 4% in PBS [\[link\]](#)

Homebrew

In a fumehood

- Mix paraformaldehyde (1 g) with PBS (100 mL)
- Heat/stirrer at 75°C for 30 min to dissolve
- Adjust pH to 7.2, using hydrochloric acid
- Aliquot and store at 4°C
- Shelf-life, 1 month

MSDS

HAZARDOUS CHEMICAL. DANGEROUS GOODS. According to the WHS Regulations and the ADG Code.

PARAFORMALDEHYDE (PARAFORMALDEHYDE)

INGREDIENTS		CAS NO	%	8HR OEL
paraformaldehyde		30625-89-4	>97	-

GHS	DG	PROPERTIES																
	 <p>UN No: 2213 Hazard Code: 1Z DG Class: 4.1 Subsidiary Risk: Not Applicable Packing Group: III Poisons Schedule: S6</p>	 <p>Solid, Flammable.</p>																
HEALTH HAZARD INFORMATION		EMERGENCY																
																		
<p>Signal word: Danger</p> <p>Hazard statement(s):</p> <table border="1"> <tr><td>H228</td><td>Flammable solid.</td></tr> <tr><td>H302</td><td>Harmful if swallowed.</td></tr> <tr><td>H332</td><td>Harmful if inhaled.</td></tr> <tr><td>H315</td><td>Causes skin irritation.</td></tr> <tr><td>H318</td><td>Causes serious eye damage.</td></tr> <tr><td>H317</td><td>May cause an allergic skin reaction.</td></tr> <tr><td>H351</td><td>Suspected of causing cancer.</td></tr> <tr><td>H335</td><td>May cause respiratory irritation.</td></tr> </table>		H228	Flammable solid.	H302	Harmful if swallowed.	H332	Harmful if inhaled.	H315	Causes skin irritation.	H318	Causes serious eye damage.	H317	May cause an allergic skin reaction.	H351	Suspected of causing cancer.	H335	May cause respiratory irritation.	<p>FIRST AID</p> <p>Swallowed: If more than 15 mins from Doctor, INDUCE VOMITING (if conscious).</p> <p>Eye: Wash with running water (15 mins). Medical attention.</p> <p>Skin: Remove contaminated clothing. Wash with soap & water.</p> <p>Inhaled: Fresh air. Rest, keep warm. If breath shallow, give oxygen. Medical attention.</p> <p>Advice To Doctor: Lavage up to 15 mins post- ingestion. Decontaminate with milk/water containing ammonium acetate. Emesis.</p> <p>Fire Fighting: Water jets.</p> <p>Spills and Disposal: Eliminate ignition sources. Avoid dust. Prevent from entering drains. Contain spillage by any means. Sweep shovel to safe place. Use only in well ventilated areas. Dispose of this material and its container at hazardous or special waste collection point. This material and its container must be disposed of in a safe way. To clean the floor and all objects contaminated by this material, use water and detergent.</p>
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