

New Chemical Requests Policy

Chemicals that are new to 4D LABS must first be reviewed and accepted by 4D staff prior to use within the Clean Room and the adjoining labs. A 'New Chemical Approval' form is provided below; it must be filled out in its entirety and submitted to 4D staff: Grace Li (li@4dlabs.ca), Chris Balicki (balicki@4dlabs.ca), or Nathanael Sieb (sieb@4dlabs.ca). Permission will be granted on a case-by-case basis. Authorization will be based on the potential risks and safety hazards towards personnel and laboratory equipment.

Chemicals that are prohibited include:

- Powders due to particulate hazards to the Clean Room
- Most thiols and silanes due to contamination risks within the Clean Room

Chemicals that are relatively quick to authorize include:

- Photoresists
- Aqueous solutions

Chemicals that require more detailed research into their hazards and handling procedures include:

- Nanoparticle solutions
- Organic solvents
- Halogenated solvents
- Strong acids and bases
- Highly reactive chemicals

New Chemical Approval Form

User Information	
Name: Click here to enter text.	
Telephone: Click here to enter text.	Email: Click here to enter text.
Supervisor Information	
Name: Click here to enter text.	
Telephone: Click here to enter text.	Email: Click here to enter text.
Chemical Information <i>(all fields mandatory)</i>	
Chemical Name: Click here to enter text.	
Manufacturer: Click here to enter text.	MSDS Attached: Click here to enter text.
Container Size & Quantity: Click here to enter text.	NFPA Rating <i>(health, flammability, reactivity):</i> Click here to enter text.
Physical State <i>(gas, liquid, or solid):</i> Click here to enter text.	Safety Hazards <i>(corrosive, combustible, flammable, etc.):</i> Click here to enter text.
Introduction Date and Estimated Removal Date: Click here to enter text.	Chemical Expiration Date: Click here to enter text.
Tool / Equipment Name: Click here to enter text.	Waste / By-Products Produced: Click here to enter text.
Purpose <i>(provide a brief explanation of your experiment and the purpose of the chemical within the experiment):</i> Click here to enter text.	

Office Use Only	
Approved By: Click here to enter text.	Date Click here to enter text.
Comments or Restrictions: Click here to enter text.	