

## CNSI Microfluidics Lab - Approved Chemicals and MSDS Sheets

Instructions for adding chemicals to the approved list:

E-mail bothman@engineering.ucsb.edu with the following information: 1. Name of chemical, quantity to be stored in the lab 2. Brief description of how the chemical will be used 3. Proposed storage location 4. Attach .pdf of the MSDS sheet

| Chemical   | MSDS | SOP         | Storage Location   |
|--|------|-------------|--------------------|
| Acetone  | MSDS | No          | Cabinet 2          |
| Isopropyl Alcohol  | MSDS | No          | Cabinet 2          |
| Ethyl Alcohol  | MSDS | No          | Cabinet 2          |
| Dow Silgard 184  | MSDS | No          | Cabinet 2          |
| (TRIDECAFLUORO-1,1,2,2-TETRAHYDROOCTYL)TRICHLOROSILANE       | MSDS | Yes         | Cabinet 6          |
| N-DECYLTRICHLOROSILANE                                       | MSDS | Yes         | Cabinet 6          |
| LPS1 lubricant   | MSDS | No          | Shelf 9            |
| 3 in 1 oil   |      | No          | Shelf 9            |
| Goo-Gone cleaner   | MSDS | No          | Shelf 9            |
| Dow Silicone Vacuum Grease                                   |      | No          | Shelf 9            |
| Methylene blue   | MSDS | No          | Cabinet 3          |
| Sodium perchlorate   | MSDS | No          | Cabinet 3          |
| Kool Mist formula 78   | MSDS | No          | Cabinet under sink |
| Super Lube synthetic grease                                  | MSDS | No          | Shelf 9            |
| Methylene Chloride   | MSDS | No          | Cabinet 2          |
| Glycerol   | MSDS | No          | Cabinet 3          |
| Toluene  | MSDS | No          | Cabinet 2          |
| aminopropyltriethoxysilane                                   | MSDS | No          | Cabinet 3          |
| Sodium Chloride  | MSDS | No          | Shelf 9            |
| Tris Base (CH <sub>2</sub> OH) <sub>3</sub> CNH <sub>2</sub> | MSDS | No          | Shelf 9            |
| Magnesium Sulfate Heptahydrate                               | MSDS | No          | Shelf 9            |
| Sucrose  | MSDS | No          | Shelf 9            |
| Magnesium Chloride Hexahydrate                               | MSDS | No          | Shelf 9            |
| Calcium Chloride Dihydrate                                   | MSDS | No          | Shelf 9            |
| Potassium Chloride   | MSDS | No          | Shelf 9            |
| Sodium Bicarbonate   | MSDS | No          | Shelf 9            |
| Agar   | MSDS | No          | Shelf 9            |
| Potassium Hydroxide  | MSDS | No          | Shelf 9            |
| Polyethylene Glycol  | MSDS | No          | Shelf 9            |
| Sodium Dodecyl Sulfate                                       | MSDS | No          | Shelf 9            |
| Boric Acid   | MSDS | No          | Shelf 9            |
| Chloro(dimethyl)octadecylsilane                              | MSDS | In progress | Cabinet 6          |
| Weld-On Acrylic Cement #3                                    | MSDS | No          | Shelf 4            |
| Invitrogen Agarose   | MSDS | No          | Cabinet 3          |

|   |      |             |                                 |
|---|------|-------------|---------------------------------|
| Heptadecafluoro-1,1,2,2-tetrahydrodecyl trichlorosilane | MSDS | Yes         | Cabinet 6                       |
| Novec HFE7500   | MSDS | Yes         | Cabinet 6                       |
| Hydrogen Peroxide - 30%                                 | MSDS | Yes         | Cabinet 8<br>(under white hood) |
| Crystalbond 509   | MSDS | No          | Bench by hot plate              |
| 3D laser scanning spray - Helling                       | MSDS | In progress | Shelf #4                        |
| Slide Silicone Mold Release                             | MSDS | In progress | Shelf #4                        |
| Spray-on Mold Release                                   | MSDS | In progress | Shelf #4                        |
| Liquid Nitrogen   | MSDS | In progress | Mobile dewar - filled as needed |
| poly(isopropylacrylimide (pNIPAM)                       | MSDS | No          | Not stored in lab               |
| Poly(vinyl alcohol)                                     | MSDS | No          | Not stored in lab               |

From: <https://bpm-wiki.cnsi.ucsb.edu/dokuwiki/> - NSF BioPACIFIC MIP Wiki

Permanent link: <https://bpm-wiki.cnsi.ucsb.edu/dokuwiki/doku.php?id=chemicals&rev=1485205218>

Last update: **2017/01/23 21:00**

