Deactivating Glassware with DMDCS

cat.# 31861

Dimethyldichlorosilane (DMDCS) reacts with active hydroxyl groups on glass surfaces, producing a deactivated surface. **Note that the reaction releases hydrogen chloride (HCl), and this procedure should be performed in a fume hood.**

Procedure for deactivating glass surfaces:

1. Dilute the 25 mL of DMDCS in the bottle to 500 mL with toluene, yielding a 5% solution of DMDCS. This solution is flammable, and moisture will reduce its effectiveness. Store in brown glass at room temperature.
2. Soak glassware in 5% DMDCS solution for 15 minutes.
3. Rinse glassware twice with toluene.
4. Soak glassware in methanol for 15 minutes.
5. Rinse glassware with methanol.
6. Dry glassware with high-purity nitrogen (moisture- and hydrocarbon-free).

Questions about this or any other Restek product? Contact us or your local Restek representative (www.restek.com/contact-us).

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