Cleaning of DSC Pans

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DSC sample pans should always be cleaned prior to use to remove any oils used in their manufacture and to ensure a repeatable surface from one experiment to the next. Here is the procedure provided in ASTM International Standard E 1858 for this cleaning process.

1. Place 200 pans in a 250 mL Erlenmeyer Flask fitted with a glass stopper.
2. Add 150 mL of reagent grade xylene.
3. Swirl for 0.5 to 2 min.
4. Let stand 1 min.
5. Decant xylene.
6. Repeat steps 2 - 5.
7. Add 150 mL of reagent grade acetone to flask.
8. Repeat steps 3 to 5.
9. Repeat steps 7 - 8 with new acetone.
10. Flow dry N2 over pans at 150-200 mL/min to dry pans.
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