From: Sharilyn Loushin
To: US230229--USSP01    WEPPNER, WILLIAM
Subject: FC-143 MSDS

Dave asked me to propose a revision to the FC-143 MSDS relative to your recent discussion with Hoechst AG regarding branched isomers. We could incorporate (by reference) the existence of branched isomers in FC-143 with a statement after the ingredients listed on the MSDS, without attempting to list any specific CAS numbers or quantify the amount of branched material. It would look like this:

```
MATERIAL SAFETY DATA SHEET
3M
3M Center
St. Paul, Minnesota
55144-1000
(612) 733-1110

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DIVISION: SPECIALTY CHEMICALS DIVISION
TRADE NAME:
FC-143 FLUORAD Brand Fluorochemical Surfactant
ID NUMBER/U.P.C.:
98-0211-0008-0 00-51135-09138-8 98-0211-0891-9 00-51135-09365-8
98-0211-5489-7 00-51135-02941-1 98-0211-6561-0 00-51135-10495-7
98-0211-7394-7 00-51135-10762-1 ZP-0002-0378-4
ISSUED: NOT ISSUED - STATUS IS Draft
SUPERSEDES: January 24, 1997
DOCUMENT: 10-3808-2
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<th>INGREDIENT</th>
<th>C.A.S. NO.</th>
<th>PERCENT</th>
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<td>AMMONIUM PERFLUOROHEPTANOATE</td>
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<td>AMMONIUM PERFLUOROHEXANOATE</td>
<td>21615-47-4</td>
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</tbody>
</table>

Branched isomers of the above components may also be present.

cc: US097573--LMUS01 Termont, David C.
    -- Pickett, Lael J.
    US097573--USSP01 TERMONT, DAVE