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File: IFF

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TO: The Record
FROM: Dennis Dietz

Date: August 13, 1993

SUBJECT: Errors In Liggett's 1991 & 1992 Covington & Burling List Of Ingredients.

Nine ingredients were listed by Liggett in error on their 1991 and 1992 Covington & Burling (C&B) List of Ingredients. All 9 ingredients appeared on a 1985 composite disclosure list of the following flavors supplied by International Flavors & Fragrances (IFF):

- G3500179 Tobacco Flavor G-179
- G3501788 Virginia Flavor For Tobacco
- G3502657 Tobacco Flavor G-2657
- G3502659 Havana Flavor

Liggett records since 1985 do not show the following 9 ingredients in IFF flavors supplied to Liggett. The ingredients are:

- 1) Benzaldehyde Glyceryl Acetal FEMA 2129
CAS 01708-39-0
- 2) Cubeb Oil FEMA 2339
CAS 08007-87-2
- 3) 5,7-Dihydro-3-Methyl-Thieno (3,4-D) Pyrimidine FEMA 3338
CAS 36267-71-7
- 4) Isoamyl Octanoate FEMA 2080
CAS 02035-99-6
- 5) Isobutyl Hexanoate FEMA 2202
CAS 00105-79-3
- 6) Oak Chip Extract FEMA 2794
CAS 68917-11-3
- 7) Strawberry Extract & Juice Concentrate CAS 84929-78-2
90131-36-5
95193-64-9
- 8) Tea Leaf & Absolute CAS 68916-73-4
- 9) Vinegar CAS 08028-52-2

These 9 ingredients were not included in individual semiquantitative disclosures for the following 5 flavors purchased from IFF in 1991:

- G3598797 Tobacco Flavor *
- G3502659 Havana Flavor
- G3598801 Virginia Flavor
- G3501100 Tobacco Flavor
- G3502657 Tobacco Flavor

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*Note: This flavor has been changed and renumbered (1993)
to G3589326.

⇒ Dr. Jim Hitzman of IFF (908-264-4500; Ext 2386) informed me
on 8/6/93 that the 9 ingredients in question have not been
included in IFF flavors at least since 1991 according to IFF
records. Liggett records do not show these ingredients in any
other flavors used since 1985. Measures will be taken to
correct this bookkeeping/inventory oversight on Liggett's
1993 C&B ingredient list.

cc: Greg Sulin
CCF (DC-5600)

Shawne

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