

Commercial status of other phthalates Comments to CPSC 1-25-2011

See also attached table, *Uses - 17 Phthalates in CPSC Overview*, for summary comments on PE's attached

Diamyl phthalate, CAS# 131-18-0. Not commercial in the U.S.

Di-n-hexyl, CAS# 84-75-3. No longer commercial in the U.S. as a single substance. Ca. 1% in 6-8-10 mixed ester phthalate (see below); n-hexyl alcohol ca. 8% of starting alcohol mixture.

Dinonyl ester, branched and linear, CAS# 68515-45-7. Formerly Palatinol® 9P. Still available from another producer.

Didecyl phthalate, CAS# 84-77-5. Not commercial as a single substance. N-decyl alcohol ca. 50 % of starting alcohol mixture for Di C6-10 phthalate (CAS# 68648-93-1).

Dihexyl ester, branched and liner, CAS# 68515-50-4. Not commercial in the U.S.

Dinonyl ester, CAS# 84-76-4. Not commercial in the U.S.

Di-C6-10 alkyl phthalates, CAS# 68515-51-5. Not commercial in the U.S. (see CAS# 68648-93-1).

Di-C7-9 branched and liner alkyl ester, CAS# 68515-41-3. Based on Shell alcohol (C7, C8, C9). Not commercial in the U.S. Available in Europe.

Benzyl C7-9 branched and linear alkyl esters, CAS# 68515-40-2. Need to confirm that it is discontinued.

Diundecyl ester, branched and linear, CAS# 85507-79-5. Formerly Palatinol® 11PE. All DUP in U.S. now is under CAS# 3648-20-2 (Palatinol® 111P-I and others).

Diheptyl ester, branched and linear, CAS# 68515-44-6. No longer commercial in the U.S. Formerly Palatinol® 7P and part of discontinued Palatinol® 711P.

Di-C6-8 branched alkyl ester, C7-rich, CAS# 71888-89-6. No longer commercial.

Heptyl undecyl ester, branched and linear, CAS# 111381-90-9. Not commercial in the U.S. Formerly part of Palatinol® 711P. Different "711" phthalates have been sold in the past based on:

1. Co-esters of mixed C7, 9, and 11 mostly linear alcohols. Formerly Palatinol® 711P (sold using 6 CAS#¹) but now discontinued. Also was sold under CAS# 68515-42-4 outside of the U.S.

¹ 85507-79-5, 68515-44-6, 68515-45-7, 111381-89-6, 111381-90-9, 111381-91-0.

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2. Mixture of C7,8,9 and C9,10,11 based phthalates. Available in Europe under CAS# 68515-41-3 and 68515-43-5 in Europe.
3. Mixture of diheptyl phthalate and branched and linear di-911 phthalate. Formerly sold under CAS# 392662-40-7² by another producer in U.S. but now discontinued.

Nonyl undecyl ester, branched and linear, CAS# 111381-91-0. No longer commercial in the U.S.; formerly the major component of Palatinol® 11-9P-I and component of Palatinol® 711P. Current commercial 911 phthalates in U.S. are Palatinol® 911P and others (as CAS# 68515-43-5) and based on Shell C9-10-11 alcohol.

Mixed decyl, hexyl, and octyl diesters, CAS# 68648-93-1. Sold as Palatinol® 610P. Alcohol mixture is 8% hexyl, 42% octyl, and 50% decyl.

Di-C11-14 branched dialkyl esters, C13 rich, CAS# 68515-47-9. Available in U.S.

CAS# 16883-83-3. TMPiB benzyl phthalate from Ferro.

² 1,2-Benzenedicarboxylic acid, di-C6-12-branched and linear alkyl esters

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