



The Consumer Products Safety Commission (CPSC) has proposed banning the use of several phthalates in materials for children's toys. In 2008, a congressional edict banned dibutyl, n-butyl benzyl and di-2-ethylhexyl (DEHP) phthalates as potential health risks.

Diisononyl (DINP), di-n-octyl (DNOP) and diisodecyl (DIDP) phthalates also were banned on an interim basis. CPSC's advisory panel now recommends a permanent ban on DINP, but recommends the ban on DNOP and DIDP should be lifted. In addition, the panel is considering a ban on diisobutyl, di-n-pentyl, di-n-hexyl and dicyclohexyl phthalates.

**Phthalates EPA Methods: 506, 606, 8060, 8061**

Listed in 4 groups, Phthalates, Monophthalates, Deuterated Phthalates and Technical Mixtures

Neats are as stated,  
Solutions are 1 mL

| Phthalates                                  |           |           |        |               |
|---|-----------|-----------|--------|---------------|
| Compound                                    | CAS No.   | Conc.     | Matrix | Cat. No.      |
| Benzyl butyl phthalate                      | 85-68-7   | 100 mg    | NEAT   | ALR-082N      |
|   |           | 100 µg/mL | MeOH   | ALR-082S      |
|   |           | 5 mg/mL   | MeOH   | AS-E0065      |
| bis(2-n-Butoxyethyl)phthalate               | 117-83-9  | 100 mg    | NEAT   | J-112         |
| bis(2-Ethoxyethyl)phthalate                 | 605-54-9  | 100 mg    | NEAT   | J-111         |
| bis(2-Ethylhexyl)phthalate                  | 117-81-7  | 100 mg    | NEAT   | ALR-097N      |
|   |           | 100 µg/mL | MeOH   | ALR-097S      |
|   |           | 1 mg/mL   | MeOH   | APP-9-029-10X |
| bis(2-Methoxyethyl)phthalate                | 117-82-8  | 100 mg    | NEAT   | J-106         |
| bis(4-Methyl-2-pentyl)phthalate             | 146-50-9  | 100 mg    | NEAT   | J-109         |
| 2-Butoxy-2-oxoethyl butyl phthalate         | 85-70-1   | 100 mg    | NEAT   | J-115         |
| Diallyl phthalate                           | 131-17-9  | 100 mg    | NEAT   | J-002         |
| Diamyl phthalate                            | 131-18-0  | 100 mg    | NEAT   | ALR-098N      |
|   |           | 0.1 mg/mL | EtOAc  | ALR-098S      |
| Dibenzyl phthalate                          | 523-31-9  | 100 mg    | NEAT   | J-104         |
| Dibutyl phthalate                           | 84-74-2   | 100 mg    | NEAT   | J-003         |
|   |           | 100 µg/mL | MeOH   | APP-9-063     |
|   |           | 1 mg/mL   | MeOH   | APP-9-063-10X |
|   |           | 5 mg/mL   | MeOH   | AS-E0066      |
| Dicyclohexyl phthalate                      | 84-61-7   | 100 mg    | NEAT   | J-004         |
|   |           | 100 µg/mL | MeOH   | ALR-099S      |
|   |           | 1 mg/mL   | AcCN   | AS-E0318      |
| Didodecyl phthalate                         | 2432-90-8 | 100 mg    | NEAT   | PHTH-018N     |
|   |           | 100 µg/mL | MeOH   | PHTH-018S     |
| Diethyl phthalate                           | 84-66-2   | 100 mg    | NEAT   | J-005         |
|   |           | 100 µg/mL | MeOH   | APP-9-081     |
|   |           | 1 mg/mL   | MeOH   | APP-9-081-10X |
|   |           | 5 mg/mL   | MeOH   | AS-E0068      |
| Dihexyl phthalate                           | 84-75-3   | 100 mg    | NEAT   | ALR-100N      |
|   |           | 100 µg/mL | MeOH   | ALR-100S      |
| Diisobutyl phthalate                        | 84-69-5   | 100 mg    | NEAT   | J-113         |
| Diisopentyl phthalate (Diisoamyl phthalate) | 605-50-5  | 100 mg    | NEAT   | J-127         |
| Diisopropyl phthalate                       | 605-45-8  | 100 mg    | NEAT   | PHTH-019N     |
|   |           | 100 µg/mL | MeOH   | PHTH-019S     |
| Dimethyl phthalate                          | 131-11-3  | 100 mg    | NEAT   | J-010         |
|   |           | 100 µg/mL | MeOH   | APP-9-088     |
|   |           | 1 mg/mL   | MeOH   | APP-9-088-10X |
|   |           | 5 mg/mL   | MeOH   | AS-E0069      |
|   |           | 0.1 mg/mL | EtOAc  | M-8032-IS     |
| Di-n-heptyl phthalate                       | 3648-21-3 | 100 mg    | NEAT   | PHTH-020N     |
|   |           | 100 µg/mL | MeOH   | PHTH-020S     |
| Di-n-octyl phthalate                        | 117-84-0  | 100 mg    | NEAT   | J-011         |
|   |           | 100 µg/mL | MeOH   | APP-9-095     |
|   |           | 5 mg/mL   | MeOH   | AS-E0067      |
| Di-n-propyl phthalate                       | 131-16-8  | 100 mg    | NEAT   | J-100         |
| Diphenyl phthalate                          | 84-62-8   | 100 mg    | NEAT   | J-013         |
| Diundecyl phthalate                         | 3648-20-2 | 100 mg    | NEAT   | PHTH-021N     |
|   |           | 100 µg/mL | MeOH   | PHTH-021S     |
| <b>Isophthalates</b>                        |           |           |        |               |
| Dimethyl isophthalate                       | 1459-93-4 | 100 mg    | NEAT   | J-009         |
| Diphenyl isophthalate                       | 744-45-6  | 100 mg    | NEAT   | J-012         |
| <b>Terephthalates</b>                       |           |           |        |               |
| bis(2-Ethylhexyl) terephthalate             | 6422-86-2 | 100 mg    | NEAT   | J-121         |
| Diethyl terephthalate                       | 636-09-9  | 100 mg    | NEAT   | J-123         |
| Dimethyl terephthalate                      | 120-61-6  | 100 mg    | NEAT   | J-101         |

# Phthalates

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Solutions are 1 mL

## Monophthalates

| Compound                               | CAS No.    | Conc.     | Matrix | Cat. No.    |
|--|------------|-----------|--------|-------------|
| Monobenzyl phthalate (mBzP) <b>NEW</b> | 2528-16-7  | 100 mg    | NEAT   | ALR-134N    |
|  |            | 100 µg/mL | AcCN   | ALR-134S-CN |
| Monobutyl phthalate (mBP)              | 131-70-4   | 100 mg    | NEAT   | ALR-135N    |
|  |            | 100 µg/mL | AcCN   | ALR-135S-CN |
| Monocyclohexyl phthalate <b>NEW</b>    | 7517-36-4  | 100 mg    | NEAT   | ALR-178N    |
|  |            | 100 µg/mL | AcCN   | ALR-178S-CN |
| Monoethyl phthalate (mEP)              | 2306-33-4  | 100 mg    | NEAT   | ALR-137N    |
|  |            | 100 µg/mL | AcCN   | ALR-137S-CN |
| Monoethylhexyl phthalate (mEHP)        | 4376-20-9  | 100 mg    | NEAT   | ALR-138N    |
|  |            | 100 µg/mL | AcCN   | ALR-138S-CN |
| Mono-2-heptyl phthalate <b>NEW</b>     |            | 100 mg    | NEAT   | ALR-143N    |
|  |            | 100 µg/mL | AcCN   | ALR-143S-CN |
| Monohexyl phthalate <b>NEW</b>         | 24539-57-9 | 100 mg    | NEAT   | ALR-175N    |
|  |            | 100 µg/mL | AcCN   | ALR-175S-CN |
| Monoisobutyl phthalate <b>NEW</b>      | 30833-53-5 | 100 mg    | NEAT   | ALR-176N    |
|  |            | 100 µg/mL | AcCN   | ALR-176S-CN |
| Monoisobutyl phthalate <b>NEW</b>      |            | 100 mg    | NEAT   | ALR-142N    |
|  |            | 100 µg/mL | AcCN   | ALR-142S-CN |
| Monoisopropyl phthalate <b>NEW</b>     | 35118-50-4 | 100 mg    | NEAT   | ALR-179N    |
|  |            | 100 µg/mL | AcCN   | ALR-179S-CN |
| Monomethyl phthalate                   | 4376-18-5  | 100 mg    | NEAT   | ALR-139N    |
|  |            | 100 µg/mL | AcCN   | ALR-139S-CN |
| Monooctyl phthalate <b>NEW</b>         | 5393-19-1  | 100 mg    | NEAT   | ALR-141N    |
|  |            | 100 µg/mL | AcCN   | ALR-141S-CN |
| Mono-n-pentyl phthalate <b>NEW</b>     | 24539-56-8 | 100 mg    | NEAT   | ALR-177N    |
|  |            | 100 µg/mL | AcCN   | ALR-177S-CN |

## Deuterated Phthalates

| Compound  | CAS No.      | Conc.     | Matrix       | Cat. No.     |
|---|--------------|-----------|--------------|--------------|
| Dibenzylphthalate-d <sub>4</sub>                  | 1015854-62-2 | 5 mg      | NEAT         | PHTH-D4-001N |
|   |              | 100 µg/mL | MeOH         | PHTH-D4-001S |
| Dicyclohexyl phthalate-3,4,5,6-d <sub>4</sub>     | 358731-25-6  | 5 mg      | NEAT         | PHTH-D4-004N |
|   |              | 100 µg/mL | MeOH         | PHTH-D4-004S |
| Diethyl phthalate-3,4,5,6-d <sub>4</sub>          | 93952-12-6   | 5 mg      | NEAT         | PHTH-D4-005N |
|   |              | 100 µg/mL | MeOH         | PHTH-D4-005S |
| Di-iso-butyl phthalate-3,4,5,6-d <sub>4</sub>     | 358730-88-8  | 5 mg      | NEAT         | PHTH-D4-003N |
|   |              | 100 µg/mL | MeOH         | PHTH-D4-003S |
| Dimethyl phthalate-3,4,5,6-d <sub>4</sub>         | 93951-89-4   | 5 mg      | NEAT         | PHTH-D4-007N |
|   |              | 100 µg/mL | MeOH         | PHTH-D4-007S |
| Di-n-butyl phthalate-d <sub>4</sub>               | 93952-11-5   | 5 mg      | NEAT         | PHTH-D4-002N |
|   |              | 100 µg/mL | MeOH         | PHTH-D4-002S |
| Di-n-hexyl phthalate-3,4,5,6-d <sub>4</sub>       | 1015854-55-3 | 5 mg      | NEAT         | PHTH-D4-006N |
|   |              | 100 µg/mL | MeOH         | PHTH-D4-006S |
| Di-n-octyl phthalate-3,4,5,6-d <sub>4</sub>       | 93952-13-7   | 5 mg      | NEAT         | PHTH-D4-008N |
|   |              | 100 µg/mL | MeOH         | PHTH-D4-008S |
| Di-n-pentyl phthalate-3,4,5,6-d <sub>4</sub>      | 358730-89-9  | 5 mg      | NEAT         | PHTH-D4-009N |
|   |              | 100 µg/mL | MeOH         | PHTH-D4-009S |
| Di-n-propyl phthalate-3,4,5,6-d <sub>4</sub>      | 358731-29-0  | 5 mg      | NEAT         | PHTH-D4-010N |
|   |              | 100 µg/mL | MeOH         | PHTH-D4-010S |
| bis(2-Ethylhexyl)phthalate-3,4,5,6-d <sub>4</sub> | 93951-87-2   | 5 mg      | NEAT         | PHTH-D4-011N |
|   |              | 100 µg/mL | MeOH         | PHTH-D4-011S |
| Set includes above 11 Deuterated Phthalates       |              |           |              |              |
| NEAT Set  |              |           | PHTH-D4N-SET | 11 x 5 mg    |
| SOLUTION Set                                      |              |           | PHTH-D4S-SET | 11 x 1 mL    |

# Phthalates

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Solutions are 1 mL

## Phthalates - Technical Mixtures

| Compound                                 | CAS No.     | Conc.     | Matrix | Cat. No.  |
|--|-------------|-----------|--------|-----------|
| Benzyl 2-ethylhexyl phthalate            | 27215-22-1  | 100 mg    | NEAT   | ALR-165N  |
|  |             | 100 µg/mL | MeOH   | ALR-165S  |
| n-Butyl benzyl phthalate <b>NEW</b>      | 85-68-7     | 10 mg     | NEAT   | PHTH-014N |
|  |             | 100 µg/mL | MeOH   | PHTH-014S |
| Butyl cyclohexyl phthalate               | 84-64-0     | 100 mg    | NEAT   | J-122     |
| n-Butyl isobutyl phthalate <b>NEW</b>    | 17851-53-5  | 10 mg     | NEAT   | PHTH-013N |
|  |             | 100 µg/mL | MeOH   | PHTH-013S |
| Butyl octyl phthalate                    | 84-78-6     | 100 mg    | NEAT   | J-001     |
| Decyl octyl phthalate <b>NEW</b>         | 119-07-3    | 10 mg     | NEAT   | PHTH-012N |
|  |             | 100 µg/mL | MeOH   | PHTH-012S |
| Didecyl phthalate <b>NEW</b>             | 84-77-5     | 100 mg    | NEAT   | J-120     |
| Diisodecyl phthalate                     | 26761-40-0  | 100 mg    | NEAT   | ALR-101N  |
|  |             | 100 µg/mL | MeOH   | ALR-101S  |
| Diisoheptyl phthalate                    | 71888-89-6  | 50 mg     | NEAT   | PHTH-017N |
|  |             | 100 µg/mL | MeOH   | PHTH-017S |
| Diisohexyl phthalate                     | 68515-50-4  | 100 mg    | NEAT   | J-007     |
| Diisononyl phthalate (C8 to C10 Isomers) | 68515-48-0  | 100 mg    | NEAT   | ALR-102N  |
|  |             | 100 µg/mL | MeOH   | ALR-102S  |
| Diisooctyl phthalate (C8 Isomers)        | 27554-26-3  | 100 mg    | NEAT   | ALR-103N  |
|  |             | 100 µg/mL | MeOH   | ALR-103S  |
| Dinonyl phthalate <b>NEW</b>             | 84-76-4     | 100 mg    | NEAT   | J-105     |
| Hexyl-2-ethylhexyl phthalate <b>NEW</b>  | 75673-16-4  | 100 mg    | NEAT   | J-016     |
| Isobutyl benzyl phthalate <b>NEW</b>     | 72170-45-7  | 10 mg     | NEAT   | PHTH-015N |
|  |             | 100 µg/mL | MeOH   | PHTH-015S |
| Isobutyl cyclohexyl phthalate            | 5334-09-8   | 100 mg    | NEAT   | J-014     |
| Pentyl isopentyl phthalate <b>NEW</b>    | 776297-69-9 | 10 mg     | NEAT   | PHTH-016N |
|  |             | 100 µg/mL | MeOH   | PHTH-016S |
| n-Octyl n-decyl phthalate                | 119-07-3    | 100 mg    | NEAT   | J-015     |

