

Polypropylene

3271


Page 1 of 2

Effective Date: January 11, 2014

Statement Concerning Phthalates

Total Petrochemicals & Refining USA, Inc. (TPRI) hereby certifies that **Polypropylene 3271**, as supplied by TPRI, is not formulated to contain the following phthalates:

| <u>Phthalate Name (Abbr.)</u> | <u>CAS Nr.</u> | <u>EINECS</u> |
|--|----------------|---------------|
| Di-ethylhexyl Phthalate (DEHP) | 117-81-7 | 204-211-0 |
| Di(2-methoxyethyl) Phthalate (DMEP) | 117-82-8 | 204-212-6 |
| Di(2-n-butoxy) ethyl Phthalate (DBEP) | 117-83-9 | 204-213-1 |
| Di-n-octyl Phthalate (DnOP) | 117-84-0 | 204-214-7 |
| 1,2-Benzenedicarboxylic acid, dimethyl ester; Dimethyl Phthalate (DMP) | 131-11-3 | 205-011-6 |
| Dipropyl phthalate | 131-16-8 | 205-015-8 |
| 1,2-Benzenedicarboxylic acid, di-2-propenyl ester; Diallylphthalate (DAP) | 131-17-9 | |
| Dipentyl Phthalate (DnPP) | 131-18-0 | 205-017-9 |
| Bis(4-methyl-2-pentyl) phthalate | 146-50-9 | |
| 1,2-Benzenedicarboxylic acid, 2,2-dimethyl-1-(1-methylethyl)-3-(2-methyl-1-oxopropoxy) propyl phenylmethyl ester | 16883-83-3 | |
| 1,2-Benzenedicarboxylic acid, diisodecyl ester ; Di-isodecyl Phthalate (DIDP) | 26761-40-0 | 247-977-1 |
| 1,2-Benzenedicarboxylic acid, isooctyl phenylmethyl ester; Benzyl 2-ethylhexyl phthalate | 27215-22-1 | |
| 1,2-Benzenedicarboxylic acid, diisooctyl ester; Diisooctyl phthalate (DIOP) | 27554-26-3 | |
| 1,2-Benzenedicarboxylic acid, bis(methylcyclohexyl) ester; Dimethylcyclohexyl phthalate (DMCHP) | 27987-25-3 | |
| 1,2-Benzenedicarboxylic acid, diisononyl ester; Di-isononyl Phthalate (DINP) | 28553-12-0 | 249-079-5 |
| 1,2-Benzenedicarboxylic acid, diundecyl ester; Diundecyl phthalate | 3648-20-2 | |
| 1,2-Benzenedicarboxylic acid, bis(phenylmethyl) ester; Dibenzyl phthalate | 523-31-9 | 201-622-7 |
| 1,2-Benzenedicarboxylic acid, cyclohexyl 2-methylpropyl ester; Cyclohexyl isobutyl phthalate | 5334-09-8 | |
| Diisopentyl Phthalate (DiPP) | 605-50-5 | 210-088-4 |
| Di(2-ethoxyethyl) Phthalate (DEEP) | 605-54-9 | 210-090-5 |
| Di-C7-9-alkyl (branched and linear) phthalate | 68515-41-3 | |
| Di-C7-11-alkyl (branched and linear) phthalate | 68515-42-4 | |
| Di-C9-11-alkyl (branched and linear) phthalate | 68515-43-5 | |
| 1,2-Benzenedicarboxylic acid, di-C8-10-branched alkyl esters, C9-rich | 68515-48-0 | 271-090-9 |
| 1,2-Benzenedicarboxylic acid, di-C9-11-branched alkyl esters, C10-rich | 68515-49-1 | 271-091-4 |
| Di-C6-8-branched alkyl phthalate | 71888-89-6 | |
| Hexyl-2-ethylhexyl phthalate | 75673-16-4 | |
| 1,2-Benzenedicarboxylic acid, dicyclohexyl ester; Dicyclohexyl phthalate (DCHP) | 84-61-7 | 201-545-9 |
| Diphenyl phthalate | 84-62-8 | 201-546-4 |
| 1,2-Benzenedicarboxylic acid, butyl cyclohexyl ester; Butyl cyclohexyl phthalate | 84-64-0 | |
| Di-n-Hexyl Phthalate (DnHP) | 84-75-3 | 201-559-5 |
| Dinonyl phthalate (DNP) | 84-76-4 | 201-560-0 |
| N-Pentyl-isopentyl phthalate | 84777-06-0 | 284-032-2 |
| Butyl Octyl phthalate | 84-78-6 | |
| Butyl Benzyl Phthalate (BBP) | 85-68-7 | 201-622-7 |
| Di-iso-butyl phthalate (DiBP) | 84-69-5 | 201-553-2 |

| | | | |
|---|--|--|--|
|  | Total Petrochemicals & Refining USA, Inc. www.totalpetrochemicalsrefiningusa.com 1201 Louisiana Street, Ste 1800 Houston, TX 77002 Phone 713-483-5000 | CUSTOMER SERVICE P.O. Box 674411 Houston, Texas 77267-4411 1-800-344-3462 | Product Stewardship Phone: 713-483-5633 FAX 713-483-5050 mailto:product.stewardship@total.com |
|---|--|--|--|

The customer is solely responsible for determining the suitability, use, and application of this product. The customer is advised to test the product to confirm it is suitable in its manufacturing processes and meets its needs. All sales are subject to Total Petrochemicals & Refining USA, Inc. (TPRI) standard terms and conditions of sale, copies of which are available upon request. TPRI disclaims any responsibility for misuse or misapplication of its products. Except as expressly provided on the TPRI standard terms and conditions of sale, no warranty, express or implied, is made with respect to this product. TPRI based the information herein on data believed to be reliable on the date compiled and this information relates only to the named product when not in combination with any other product or materials. TPRI EXPRESSLY DISCLAIMS ANY WARRANTY OF MERCHANTABILITY, FITNESS FOR ANY PARTICULAR PURPOSE, SUITABILITY, ACCURACY, RELIABILITY OR COMPLETENESS OF THIS INFORMATION. TPRI's sole liability and customer's exclusive remedy for any claims arising out of TPRI products are expressly limited to replacement of product that is non-conforming to TPRI's product specifications. In no event shall TPRI be liable for lost profits, special, incidental, consequential or punitive damages.

Polypropylene

3271

Page 2 of 2

As residuals from the manufacturing process, this product may contain trace amounts of the following phthalate(s):

| <u>Phthalate Name (Abbr.)</u> | <u>CAS Nr.</u> | <u>EINECS</u> | <u>Estimated Maximum Concentration</u> |
|-------------------------------|----------------|---------------|--|
| Di-n-butyl Phthalate (DBP) | 84-74-2 | 201-557-4 | 10 ppm |
| Di-ethyl Phthalate (DEP) | 84-66-2 | 201-550-6 | 5 ppm |

TPRI does not test each raw material we purchase, nor do we routinely test our polypropylene products for trace amounts of these phthalates. However, we do exercise good product stewardship and seek information concerning the composition of our raw materials from our suppliers. Based on this information, and knowledge of our process, we believe that our product does not contain the phthalates listed above, unless noted otherwise.


These statements do not cover the user:

- modification of our product by any addition of any other product to it,
- modification of our product resulting from processing of the product, or
- inadequate use and/or storage of our material or the finished articles by the end user.



Paul Bradley, Ph.D.
Manager Product Stewardship
Total Petrochemicals & Refining USA, Inc.

Version 2014.1

| | | | |
|---|--|--|--|
|  | Total Petrochemicals & Refining USA, Inc. www.totalpetrochemicalsrefiningusa.com 1201 Louisiana Street, Ste 1800 Houston, TX 77002 Phone 713-483-5000 | CUSTOMER SERVICE P.O. Box 674411 Houston, Texas 77267-4411 1-800-344-3462 | Product Stewardship Phone: 713-483-5633 FAX 713-483-5050 mailto:product.stewardship@total.com |
|---|--|--|--|

The customer is solely responsible for determining the suitability, use, and application of this product. The customer is advised to test the product to confirm it is suitable in its manufacturing processes and meets its needs. All sales are subject to Total Petrochemicals & Refining USA, Inc. (TPRI) standard terms and conditions of sale, copies of which are available upon request. TPRI disclaims any responsibility for misuse or misapplication of its products. Except as expressly provided on the TPRI standard terms and conditions of sale, no warranty, express or implied, is made with respect to this product. TPRI based the information herein on data believed to be reliable on the date compiled and this information relates only to the named product when not in combination with any other product or materials. TPRI EXPRESSLY DISCLAIMS ANY WARRANTY OF MERCHANTABILITY, FITNESS FOR ANY PARTICULAR PURPOSE, SUITABILITY, ACCURACY, RELIABILITY OR COMPLETENESS OF THIS INFORMATION. TPRI's sole liability and customer's exclusive remedy for any claims arising out of TPRI products are expressly limited to replacement of product that is non-conforming to TPRI's product specifications. In no event shall TPRI be liable for lost profits, special, incidental, consequential or punitive damages.