

## MATERIAL AND REGULATORY INFORMATION SUMMARY

### APHP - AdvantaSil High Pressure Silicone Tubing (NI 210); Shore 81A - Product Series A704

| Legislation       | Compliant | Note   | Date     |
|-------------------|-----------|--|----------|
| REACH             | *         | Contains the following SVHCs: Octamethylcyclotetrasiloxane (D4), Decamethylcyclopentasiloxane (D5), Dodecamethylcyclohexasiloxane (D6) | 7/27/21  |
| RoHS              | Y         |  | 2/24/17  |
| Conflict Minerals | Y         |  | 10/25/16 |

\* compliance is conditional based upon the amount of material imported into the EU, per the annual limit of SVHCs

| Substances of Concern  | Absent | Note  | Date    |
|--|--------|---|---------|
| 1,2,4-Trichlorobenzene   | Y      | Not used in the manufacturing process or formulation of raw materials | 7/18/17 |
| 2-Mercaptobenzothiazole (MBT)  | Y      | Not used in the manufacturing process or formulation of raw materials | 7/18/17 |
| Aflatoxin-like compounds   | Y      | Not used in the manufacturing process or formulation of raw materials | 7/18/17 |
| Aldehydes  | Y      | Not used in the manufacturing process or formulation of raw materials | 7/18/17 |
| Alkanes, C10-C13, chloro   | Y      | Not used in the manufacturing process or formulation of raw materials | 7/18/17 |
| Animal content   | Y      | Not used in the manufacturing process or formulation of raw materials | 3/15/17 |
| Anti-microbial additives (including OBPA and DMF)  | Y      | Not used in the manufacturing process or formulation of raw materials | 7/18/17 |
| Antimony Compounds   | Y      | Not used in the manufacturing process or formulation of raw materials | 7/18/17 |
| Arsenic  | Y      | Not used in the manufacturing process or formulation of raw materials | 7/18/17 |
| Asbestos   | Y      | Not used in the manufacturing process or formulation of raw materials | 7/18/17 |
| Azoxy compounds  | Y      | Not used in the manufacturing process or formulation of raw materials | 7/18/17 |
| BADGE (Bisphenol A diglycidyl ether)   | Y      | Not used in the manufacturing process or formulation of raw materials | 7/18/17 |
| Barium   | Y      | Not used in the manufacturing process or formulation of raw materials | 7/18/17 |
| Benzenamine, N-phenyl-, reaction products with styrene and 2,4,4-trimethylpentene (BNST) | Y      | Not used in the manufacturing process or formulation of raw materials | 7/18/17 |
| Benzene  | Y      | Not used in the manufacturing process or formulation of raw materials | 7/18/17 |
| Benzoapryene   | Y      | Not used in the manufacturing process or formulation of raw materials | 7/18/17 |
| Benzophenone   | Y      | Not used in the manufacturing process or formulation of raw materials | 7/18/17 |
| Benzothiazole Disulfate (MBT)  | Y      | Not used in the manufacturing process or formulation of raw materials | 7/18/17 |
| Beryllium and Beryllium Compounds  | Y      | Not used in the manufacturing process or formulation of raw materials | 7/18/17 |
| Bis-DMA  | Y      | Not used in the manufacturing process or formulation of raw materials | 7/18/17 |
| Bis-GMA  | Y      | Not used in the manufacturing process or formulation of raw materials | 7/18/17 |
| BPA (BisPhenol A)  | Y      | Not used in the manufacturing process or formulation of raw materials | 3/15/17 |
| Colophonium (rosin)  | Y      | Not used in the manufacturing process or formulation of raw materials | 7/18/17 |
| Colorants and Pigments   | Y      | Not used in the manufacturing process or formulation of raw materials | 7/18/17 |
| Dibutyltin   | Y      | Not used in the manufacturing process or formulation of raw materials | 7/18/17 |
| Dimethyl Fumarate  | Y      | Not used in the manufacturing process or formulation of raw materials | 7/18/17 |
| Dioctyltin   | Y      | Not used in the manufacturing process or formulation of raw materials | 7/18/17 |
| Dioxin   | Y      | Not used in the manufacturing process or formulation of raw materials | 7/18/17 |
| Epoxy Derivatives  | Y      | Not used in the manufacturing process or formulation of raw materials | 7/18/17 |
| Ethoxylated BisPhenol A Diacrylate   | Y      | Not used in the manufacturing process or formulation of raw materials | 7/18/17 |
| Ethyl Alcohol (potable)  | Y      | Not used in the manufacturing process or formulation of raw materials | 7/18/17 |
| Fiberglass   | Y      | Not used in the manufacturing process or formulation of raw materials | 7/18/17 |
| Flame retardants - Brominated (including PBB, PBDE, HBCDD, TBBPA)                        | Y      | Not used in the manufacturing process or formulation of raw materials | 7/18/17 |
| Flame Retardants - Non Brominated  | Y      | Not used in the manufacturing process or formulation of raw materials | 7/18/17 |
| Foam Blowing Agents  | Y      | Not used in the manufacturing process or formulation of raw materials | 7/18/17 |
| Food Additives (substances to preserve, add flavor, color, or texture)                   | Y      | Not used in the manufacturing process or formulation of raw materials | 7/18/17 |
| Food Allergens   | Y      | Not used in the manufacturing process or formulation of raw materials | 7/18/17 |
| Formaldehyde   | Y      | Not used in the manufacturing process or formulation of raw materials | 7/18/17 |
| Genetically Modified Organisms (GMOs) or GMO source material                             | Y      | Not used in the manufacturing process or formulation of raw materials | 3/15/17 |
| Gluten   | Y      | Not used in the manufacturing process or formulation of raw materials | 7/18/17 |
| Human Blood Derivatives  | Y      | Not used in the manufacturing process or formulation of raw materials | 7/18/17 |
| Inulin   | Y      | Not used in the manufacturing process or formulation of raw materials | 7/18/17 |
| Irgafos antioxidant stabilizers (organo-phosphite stabilizers)                           | Y      | Not used in the manufacturing process or formulation of raw materials | 7/18/17 |
| Isocyanates  | Y      | Not used in the manufacturing process or formulation of raw materials | 7/18/17 |
| Lactose  | Y      | Not used in the manufacturing process or formulation of raw materials | 7/18/17 |
| Latex  | Y      | Not used in the manufacturing process or formulation of raw materials | 3/15/17 |
| Magnesium Phosphate  | Y      | Not used in the manufacturing process or formulation of raw materials | 7/18/17 |
| Melamine   | Y      | Not used in the manufacturing process or formulation of raw materials | 7/18/17 |
| Mercury  | Y      | Not used in the manufacturing process or formulation of raw materials | 7/18/17 |
| Monomethyl dibromodiphenyl methane   | Y      | Not used in the manufacturing process or formulation of raw materials | 7/18/17 |
| Monomethyl dichlorodiphenyl methane  | Y      | Not used in the manufacturing process or formulation of raw materials | 7/18/17 |
| Monomethyl tetrachlorodiphenyl methane   | Y      | Not used in the manufacturing process or formulation of raw materials | 7/18/17 |
| Nanomaterials - Defined as having one or more dimensions between 1 and 100 nanometers    | Y      | Not used in the manufacturing process or formulation of raw materials | 7/18/17 |
| Nickel and nickel alloys   | Y      | Not used in the manufacturing process or formulation of raw materials | 1/3/20  |
| Nitrates   | Y      | Not used in the manufacturing process or formulation of raw materials | 7/18/17 |
| N-Nitroso compounds  | Y      | Not used in the manufacturing process or formulation of raw materials | 7/18/17 |
| Nonylphenol and nonylphenol ethoxylates  | Y      | Not used in the manufacturing process or formulation of raw materials | 7/18/17 |
| Organic Phosphates   | Y      | Not used in the manufacturing process or formulation of raw materials | 7/18/17 |
| Ozone Depleting Substances   | Y      | Not used in the manufacturing process or formulation of raw materials | 3/15/17 |

|  |                  |   |         |
|--|------------------|---|---------|
| PCBs   | Y                | Not used in the manufacturing process or formulation of raw materials | 7/18/17 |
| Pentachlorophenol  | Y                | Not used in the manufacturing process or formulation of raw materials | 7/18/17 |
| Perfluorinated Carboxylic Acids or their respective salts  | Y                | Not used in the manufacturing process or formulation of raw materials | 7/18/17 |
| Perfluorooctanoic acid (PFOA), and salts and esters of PFOA  | Y                | Not used in the manufacturing process or formulation of raw materials | 7/18/17 |
| Perfluorooctanesulfonic Acid (PFOS)  | Y                | Not used in the manufacturing process or formulation of raw materials | 7/18/17 |
| Pesticide Residues   | Y                | Not used in the manufacturing process or formulation of raw materials | 9/27/17 |
| Phenols  | Y                | Not used in the manufacturing process or formulation of raw materials | 7/18/17 |
| Phthalates (including DOP, DEHP, DBP, BBP, DIDP, DINP, DnOP)   | Y                | Not used in the manufacturing process or formulation of raw materials | 3/15/17 |
| Plant-Derived materials, including Jatropa   | Y                | Not used in the manufacturing process or formulation of raw materials | 3/15/17 |
| Plasticizers in Polymers - Non Phthalate Based   | Y                | Not used in the manufacturing process or formulation of raw materials | 7/18/17 |
| Polycarbonate  | Y                | Not used in the manufacturing process or formulation of raw materials | 7/18/17 |
| Polycarbonate/Siloxane Copolymer   | Y                | Not used in the manufacturing process or formulation of raw materials | 7/18/17 |
| Polycyclic Aromatic Hydrocarbons   | Y                | Not used in the manufacturing process or formulation of raw materials | 7/18/17 |
| Polyaromatic hydrocarbons (PAHs)   | Y                | Not used in the manufacturing process or formulation of raw materials | 7/18/17 |
| Polychlorinated and Polybrominated dioxins and furans  | Y                | Not used in the manufacturing process or formulation of raw materials | 7/18/17 |
| Polychlorinated terphenyls   | Y                | Not used in the manufacturing process or formulation of raw materials | 7/18/17 |
| Polychloronaphthalenes   | Y                | Not used in the manufacturing process or formulation of raw materials | 7/18/17 |
| Polyether Sulfone  | Y                | Not used in the manufacturing process or formulation of raw materials | 7/18/17 |
| Polynuclear aromatic Hydrocarbons (PNA)  | Y                | Not used in the manufacturing process or formulation of raw materials | 7/18/17 |
| Polystyrene  | Y                | Not used in the manufacturing process or formulation of raw materials | 7/18/17 |
| Polyurethanes, Biostable   | Y                | Not used in the manufacturing process or formulation of raw materials | 7/18/17 |
| PVC - Polyvinyl Chloride - Rigid or Flexible   | Y                | Not used in the manufacturing process or formulation of raw materials | 7/18/17 |
| Radioactive isotopes   | Y                | Not used in the manufacturing process or formulation of raw materials | 7/18/17 |
| Refrigerants   | Y                | Not used in the manufacturing process or formulation of raw materials | 7/18/17 |
| Residual monomer content in polymers intended for food, ice, water or dermal contact including Acrylonitrile, Butadiene, BisPhenol-A, Formaldehyde, Styrene, and dermal contact (including Vinyl Chloride) | Y                | Not used in the manufacturing process or formulation of raw materials | 7/18/17 |
| Residual Solvents  | Y                | Not used in the manufacturing process or formulation of raw materials | 3/19/21 |
| Selenium   | Y                | Not used in the manufacturing process or formulation of raw materials | 7/18/17 |
| Short-Chain Chlorinated Paraffins (SCCP's)   | Y                | Not used in the manufacturing process or formulation of raw materials | 7/18/17 |
| Slip Agents (e.g. amides and/or hydrocarbons)  | Y                | Not used in the manufacturing process or formulation of raw materials | 7/18/17 |
| Sulfur and Sulfur-containing compounds   | Y                | Not used in the manufacturing process or formulation of raw materials | 5/31/17 |
| Tar Oils and Creosotes   | Y                | Not used in the manufacturing process or formulation of raw materials | 7/18/17 |
| Tri (2,3-dibromo-propyl) phosphate   | Y                | Not used in the manufacturing process or formulation of raw materials | 7/18/17 |
| Tri-2-ethylhexyl trimellitate (TEHTM)  | Y                | Not used in the manufacturing process or formulation of raw materials | 7/18/17 |
| Triclosan  | Y                | Not used in the manufacturing process or formulation of raw materials | 7/18/17 |
| Trioctyl trimellitate (TOTM)   | Y                | Not used in the manufacturing process or formulation of raw materials | 7/18/17 |
| Tris (aziridinyl) phosphin oxide   | Y                | Not used in the manufacturing process or formulation of raw materials | 7/18/17 |
| Tri-substituted organostannic compounds  | Y                | Not used in the manufacturing process or formulation of raw materials | 7/18/17 |
| <b>Regulations</b>   | <b>Available</b> | <b>Note</b>   |         |
| USP Testing  | Y                | 85; 87; 88 (Class VI) 70 C for 24 Hrs; 381; 643; 788                  |         |
| ISO Testing  | Y                | 10993-5; 10993-10; 10993-11   |         |
| FDA Testing  | Y                | CFR 177.2600  |         |
| European Pharmacopeia Testing  | Y                | EP 3.1.9  |         |



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