

# Capilene<sup>®</sup> Polypropylene

# Ipethene<sup>®</sup> Low Density Polyethylene

## General Statement on Chemical Absence

We confirm that during manufacturing of the above mentioned products, we do not intentionally use any of the chemical substances listed below. However, since the products haven't been tested for these substances, we cannot guarantee that there is no trace amount of them, as impurity or otherwise, in these products.

- \* acrylamide (CAS No 79-06-1)
- \* acrylaldehyde (ACROLEIN, CAS No 107-02-8)
- \* ALCOHOLS
  - ethyl alcohol (ethanol, CAS No 64-17-5)
  - butanol
  - 1,4-Butanediol (CAS No 110-63-4)
  - dichloro-propanediol (DCP, CAS No 82598-72-9)
- \* anthraquinone (CAS No 84-65-1)
- \* AROMATICS
  - 2-Phenylphenol (CAS No 110-80-5)
  - ALKYLPHENOL DERIVATIVES
    - dodecylphenol (CAS No 121158-58-5 )
    - nonylphenol and ethoxylates (CAS No 25154-52-3 and 84852-15-3)
    - octylphenol and ethoxylates (CAS No 104-66-9 and 27193-28-8)
  - AROMATIC AMINES
    - 2-naphtylamine (CAS No 91-59-8)
    - Regulation 1907/2006/EC Annex XVII Appendix 8
  - benzene (CAS No 71-43-2)
  - BISPHENOL A (BPA)
    - 2,2-bis(4-hydroxyphenyl)propane (CAS No 80-05-7)
  - BISPHENOL F (CAS No 620-92-8)
  - BISPHENOL S (BPS)
    - 4,4'-Sulfonyldiphenol (CAS No 80-09-1)
  - CHLORINATED BENZENES
  - CHLORINATED PHENOLS
    - chlorophenol
    - dichlorophenol
    - pentachlorophenol (PCP)
    - tetrachlorophenol
    - trichlorophenol
    - Regulation 1907/2006/EC Annex XVII
  - CHLORINATED TOLUENES
    - n-butylbenzene (CAS No 104-51-8)
    - n-ethyl-o-toluenesulfonamide (CAS No 1077-56-1)
    - n-ethyl-o/p -toluenesulfonamide mixture (CAS No 8047-99-2)
    - n-ethyl-p-toluenesulfonamide (NEPTSA; CAS No 80-39-7)



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## POLYCYCLIC AROMATIC HYDROCARBONS (PAH)

1,2-dihydro-acenaphthene (CAS No 83-32-9)  
 1-methylnaphthalene (CAS No 90-12-0)  
 2-methylnaphthalene (CAS No 91-57-6)  
 acenaphthylene (CAS No 208-96-8)  
 anthracene (CAS No 120-12-7)  
 benz(a)anthracene (CAS No 56-55-3)  
 benzo(a)pyrene (CAS No 50-32-8)  
 benzo(b)fluoranthene (CAS No 205-99-2)  
 benzo(e)pyrene (CAS No 192-97-2)  
 benzo(ghi)perylene (CAS No 191-24-2)  
 benzo(j)fluoranthene (CAS No 205-82-3)  
 benzo(k)fluoranthene (CAS No 207-08-9)  
 chrysene (CAS No 218-01-9)  
 dibenz(a,h)anthracene (CAS No 53-70-3)  
 fluoranthene (CAS No 206-44-0)  
 fluorene (CAS No 86-73-7)  
 indeno(1,2,3-cd)pyrene (CAS No 193-39-5)  
 naphthalene (CAS No 91-20-3)  
 phenanthrene (CAS No 85-01-8)  
 pyrene (CAS No 129-00-0)

## PHENOLS

phenol (CAS No 108-95-2)  
 phenylenediamine  
 styrene (ethenylbenzene; CAS No 100-42-5)  
 toluene (CAS No 108-88-3)  
 xylene (CAS No 95-47-6, 108-38-3, 106-42-3)

## \* ASBESTOS

Regulation 1907/2006/EC Annex XVII

## \* Benzenamine, N-phenyl-, Reaction Products with Styrene and 2,4,4- Trimethylpentene (BNST, CAS No 68921-45-9)

## \* benzidine (CAS No 92-87-15)

## \* BIOCIDES and ANTIBACTERIALS

2-octylisothiazol-3(2H)-one (CAS No 26530-20-1)  
 2-(thiocyanomethylthio)-Benzothiazol (TCMTB, CAS No 21564-17-0)  
 2,4,4'-trichloro-2'-hydroxydiphenyl ether (TRICLOSAN, CAS No 3380-34-5)  
 4-chloro-3-Methylphenol (CMK, CAS no 59-50-7)  
 di-metyl fumarate (DMF, CAS No 624-49-7)  
 ethyl lauroyl arginat  
 o-Phenylphenol (CAS No 90-43-7)  
 nitrofural (CAS No. 59-87-0)

## RESORCINOL

TRICLOCARBAN (CAS 101-20-2)

Directive 1998/8/EC

Regulation 528/2012/EC

## \* butylated hydroxyanisole (BHA, CAS No 25013-16-5 and 121-00-6)

## \* butylated hydroxytoluene (BHT, CAS No 128-37-0)

\* CALIFORNIA'S SAFE DRINKING WATER and TOXIC ENFORCEMENT ACT of 1986 (Proposition 65)  
 last updated: May 25th, 2018

Ipethene® 113/213/322/323 grades contain a chemical substance (Silica, crystalline) that is known to the State of California to cause cancer when inhaled as an unbound respirable particulate. However, Ipethene® grades are supplied as pellets. Inhalation of respirable crystalline silica is not expected under reasonably foreseeable conditions of use.

## \* CASEIN (CAS No 9000-71-9)



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- \* CHLORINATED ALIPHATIC COMPOUNDS
  - 1,1-dichloroethylene (CAS No 75-35-4)
  - 1,1,1-trichloroethane (CAS No 71-55-6)
  - 1,1,1,2-tetrachloroethane (CAS No 630-20-6)
  - 1,1,2-trichloroethane (CAS No 79-00-5)
  - 1,1,2,2-tetrachloroethane (CAS No 79-34-5)
  - pentachloroethane (CAS No 76-01-7)
  - tetrachloromethane (CAS No 56-23-5)
  - trichlorethylene (CAS No 79-01-06)
  - trichloromethane (chloroform; CAS No 67-66-3)
  - SHORT and MEDIUM CHAIN CHLORINATED PARAFFINS
- \* CARCINOGENIC, MUTAGENIC and REPROTOXICITY (CMR)
  - Capilene® and Ipethene® products are not classified as CMR according to EC/1272/2008.
- \* COALITION OF NORTHEASTERN GOVERNORS (CONEG)
  - This product meets the CONEG requirements of less than 100 ppm for total incidental Cadmium, Chromium (VI), Lead and Mercury.
- \* COLOPHONIUM / COLOPHONY (CAS No 8050-09-7)
- \* COLORANTS
  - DYES (UVITEX dye is used as optical brightner in few Capilene® resins)
  - AZO Dyes
  - PIGMENTS
  - INKS
- \* CONFLICT MINERALS
  - Dodd-Frank Wall Street Reform and Consumer Protection Act - September, 2010
  - Conflict minerals, which include columbite-tantalite (also known as coltan, source for tantalum), cassiterite (source for tin), gold, wolframite (source for tungsten) or their derivatives
- \* CYANIDES
  - cyanuric acid (CAS No 108-80-5)
- \* decabromofiphenylether (decaBDE)
- \* di(2-ethyl hexyl) maleate (DEHM; CAS No 142-16-5)
- \* di-butyl fumarate (DBF, CAS No 105-75-9)
- \* di-methyl-formamide (DMF, CAS No 68-12-2)
- \* dicyandiamide (DCD, CAS No 461-58-5)
- \* DIOXINS AND FURANS
  - polychlorinated dibenzo-p-dioxins (PCDDs or dioxins)
  - polychlorinated dibenzofurans (PCDFs or furans)
  - polychlorinated biphenyls (PCBs)
- \* epichlorohydrin (CAS No 106-89-8)
- \* EPOXIDIZED SOYA BEAN OIL (ESBO; CAS No 8013-07-8)
- \* EPOXY DERIVATIVES
  - Regulation 2005/1895/EC
  - bisphenol A diglycidyl ether (BADGE, CAS No 1675-54-3)
  - bisphenol F diglycidyl ether (BFDGE, CAS No 2095-03-6)
  - novolac glycidyl ethers (NOGE)
- \* ethyl hexanoic acid (EHA)



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- \* FLAME RETARDANTS (FR)
  - BROMINATED FR
    - 1,2,5,6,9,10-hexabromocyclodecane (HBCD, CAS No 3194-55-6)
    - polybrominated biphenyls (PBB; CAS No 59536-65-1)
    - polybrominated diphenyl ethers (PBDE)
    - polybrominated terphenyls (PBT)
    - pentabromodiphenyl ether (CAS No 32534-81-9)
    - octabromodiphenyl ether (CAS No 32536-52-0)
    - Directive 2002/96/EC (WEEE)
  - CHLORINATED FR
    - TCEP (CAS No 51805-45-9)
    - TCPP (CAS No 13674-84-5)
    - TDCP (CAS No 13674-87-8)
- \* FLUOROCARBONS
  - fluorotolemers
    - Perfluorohexane sulfonic acid (CAS No 355-46-4)
    - perfluorooctane sulfonate (PFOS)
    - perfluorooctanoic acid (PFOA)
    - perfluorochemicals (PFC)
- \* FOOD ALLERGENS
  - Regulation (EU) No 1169/2011, food ingredients listed in Annex II
  - peanuts, tree nuts (almonds, brazil nuts, chestnuts, filberts, hazelnuts, hickory nuts, macadamia nuts, pecans, pine nuts, pistachios, and walnuts), milk, eggs, soybeans, shellfish, crustaceans (e.g. shrimp, crabs, lobsters, oysters, clams, scallops, crayfish), molluscs (e.g. snails, clams, squid, octopi) or mollusc products, sulfites, food colors, celery or celery products, wheat (gluten) or wheat products, seeds (e.g. cotton, poppy, sesame, sunflower, mustard) or seed products, aspartame, monosodium glutamate (MSG), caffeine; hydrogenated vegetable protein (HVP); grains (e.g. rye, barley, oats), lupine or lupine products
- \* formaldehyde (formol; CAS No 50-00-0)
- \* FRAGRANTS
  - Butylphenyl methylpropional (Lilial), (CAS 80-54-6)
  - Cinnamal
  - Cinnamyl alcohol (CAS No 104-54-1)
  - Citral (CAS No 5392-40-5)
  - Coumarins (CAS No 91-64-5)
  - Eugenol (CAS No 97-53-0)
  - Geraniol (CAS No 106-24-1)
  - hydroxycitronellal (CAS No 107-75-5)
  - Hydroxymethylpentylcyclohexenecarboxaldehyde (Lyral, CAS No 31906-04-4)
  - Isoeugenol (CAS No 97-54-1)
  - Limonene
  - Linalool (CAS No 78-70-6)
  - Majantol
  - Musk compounds
  - Silvial (CAS No 6658-48-6)
  - Vetiver
- \* FUNGICIDES
- \* GENETICALLY MODIFIED ORGANISM (GMO)
- \* HALOGENS
  - Elemental Fluorine, Chlorine, Bromine or Iodine
- \* HEAVY METALS and metallic impurities
  - Antimony, Arsenic, Barium, Beryllium, Bismuth, Cadmium, Chromium, Cobalt, Copper, Gold, Iridium, Lead, Lithium, Mercury, Molybdenum, Nickel, Osmium, Palladium, Platinum, Selenium, Silver, Tantalum, Thallium, Tin, Tungsten, Vanadium, Rhodium, Ruthenium



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- \* hexachlorobenzene (HCB, CAS No 118-74-1)
- \* HUMAN BODY DERIVATIVES
- \* HYDRAZINE DERIVATIVES
- \* INSECTICIDES
  - Endrin
  - Mirex
  - Aldrin
  - toxaphene (Cas No 8001-35-2)
  - dichlorodiphenyltrichloroethane (DDT, CAS No 50-29-3)
- \* Isocyanates
  - hexamethylene diisocyanate (HDI, CAS No 822-06-0)
  - isophorone diisocyanate (IPDI, CAS No 4098-71-9)
  - methyl isocyanate (MIC, CAS No 624-83-9)
  - methylene diphenyl diisocyanate (MDI, CAS No 101-68-8)
  - naphthalene diisocyanate (NDI, CAS No 3173-72-6)
  - toluene-2,4-diisocyanate (TDI, CAS No 584-84-9)
- \* isopropylthioxanthone (ITX, CAS No 5495-84-1 and 83846-86-0)
- \* MELAMINE
  - 1,3,5-Triazine-2,4,6-triamine (CAS No 108-78-1)
- \* MELANIN (CAS No 8049-97-6)
- \* MICA
- \* NANOMATERIALS
  - Commission recommendation on the definition of nanomaterial, 2011/696/EU
  - Insoluble or biopersistent and intentionally manufactured materials with one or more external dimensions, or an internal structure, on the scale from 1 to 100 nm
- \* NATURAL RUBBER and NATURAL LATEX
- \* nitroamines
- \* nitrite
- \* nitrate
- \* ORGANO-FLUORINE COMPOUNDS
- \* ORGANO-TIN COMPOUNDS
  - dibutyl-tin (DBT, CAS No 14488-53-0)
  - dibutyltin dichloride (DBTC, CAS No 683-18-1)
  - dioctyl-tin (DOT, CAS No 250252-87-0)
  - monobutyl-tin (MBT, CAS No 78763-54-9)
  - tributyl-tin (TBT, CAS No 36643-28-4)
  - tributyl-tin oxide (TBTO, CAS No 56-35-9)
  - triphenyl-tin (TPT, CAS No 668-34-8)
- \* OXO and/or UV DEGRADABLE ADDITIVES
- \* OZONE-DEPLETING CHEMICALS (ODC's)
  - The ozone-depleting substances (ODS), listed in the Annexes I & II of the Regulation ( EC ) No 1005/2009 of 16 September 2009
  - Class I and Class II ODC's listed in the US Clean Air Act Amendments of 1990, among them:
    - 1,1,1-Trichloroethane (methyl chloroform)
    - bromochloromethane
    - carbon tetrachloride
    - CFC's
    - halons
    - hydrobromofluorocarbons (HBFC)
    - hydrochlorofluorocarbons (HCFC)
    - methyl bromide
- \* PACKAGING AND PACKAGING WASTE
  - Directives 94/62/EC, 2004/12/EC (as amended)



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- \* PARABENS
  - Esters of para-hydroxybenzoic-acid
- \* PERCHLORATE COMPOUNDS
- \* PERFLUORINATED HYDROCARBONS
  - Directive 2006/122/EC
  - Perfluorooctanoic acid (PFOA)
  - Perfluorooctane sulfonate (PFOS)
  - Perfluorobutanesulfonic acid (PFBS)
- \* PESTICIDES, HERBICIDES
  - Di-isopropyl-naphthalene's (DIPN, CAS No 24157-81-1)
- \* PHTHALATES
  - butyl benzyl phthalate (BBP, CAS No 85-68-7)
  - di(2-ethylhexyl) phthalate (DEHP) or di-octyl phthalate (DOP, CAS No 117-81-7)
  - di-butyl phthalate (DBP) or di-n-butyl phthalate (DNBP, CAS No 84-74-2)
  - di-iso-decyl phthalate (DIDP, CAS No 26761-40-0)
  - di-iso-nonyl phthalate (DINP, CAS No 28553-12-0)
  - di-n-octyl phthalate (DNOP, CAS No 117-84-0)
  - Traces of phthalates may be present in some Capilene® resins as impurities from the catalytic system. These traces are in full compliance with Regulation 1907/2006/EC and Directives 2007/19/EC and 2005/84/EC (Annex I of Directive 76/769/EEC). Analytical testing of several phthalates in our Capilene® resins resulted in undetectable content (<1 ppm).
- \* phthalic anhydride (CAS No 038103-06-9)
- \* PLASTICIZERS
  - 1,2-Cyclohexanedicarboxylic acid, 1,2-diisononyl ester (DINCH, CAS No 166412-78-8)
  - bis(2-ethylhexyl) adipate (DEHA, CAS No 103-23-1)
  - butyryl tri-n-hexyl citrate (BTHC, CAS No 82469-79-2)
  - glycerides, castor-oil mono-, hydrogenated, acetates (CAS No 736150-63-3)
  - tris(2-ethylhexyl)benzene-1,2,4-tricarboxylate (CAS No 3319-31-1)
- \* polychlorinated naphthalenes (PCN)
  - Regulation 1907/2006/EC Annex XVII
- \* polychlorinated terphenyls (PCT)
- \* polyethylene glycol (PEG)
- \* POLYSTYRENE RESINS
- \* polyvinylchloride (PVC, CAS No 9002-86-2)
- \* polyvinylidene chloride (PVDC, CAS No 9002-85-1)
- \* QUATERNARY AMMONIUM COMPOUNDS
  - didecyl dimethyl ammonium chloride (DDAC, CAS No 7173-51-5)
  - benzalkonium chloride (BAC, CAS No 8001-54-5)
- \* RADIOACTIVE SUBSTANCES
  - Directive 96/29/EURATOM
- \* RADON (CAS No 10043-92-2)
- \* RECYCLED MATERIALS
  - Regulation 282/2008/EC
- \* RESTRICTION OF HAZARDOUS SUBSTANCES IN ELECTRIC AND ELECTRONIC EQUIPMENT
  - Directive 2015/863/EU & 2011/65/EU (RoHS) 10 repealing Directive 2002/95/EC
  - polybrominated biphenyls (PBB) & polybrominated diphenylethers (PBDE), PCB
  - Chromium (VI), Lead, Mercury and Cadmium
  - bis(2-Ethylhexyl) phthalate (DEHP), Benzyl butyl phthalate (BBP), Dibutyl phthalate (DBP), Diisobutyl phthalate (DIBP)
  - Traces of phthalates may be present in some Capilene® resins as impurities from the catalytic system. These traces are in full compliance with Regulation 1907/2006/EC and Directives 2007/19/EC and 2005/84/EC (Annex I of Directive 76/769/EEC). Analytical testing of several phthalates in our Capilene® resins resulted in undetectable content (<1 ppm).



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- \* SEMICARBAZIDE (SEM) and AZODICARBONAMIDE  
Directive 2004/1/EC
- \* SILICA GEL (CAS No 99439-28-2)
- \* SILICONE (CAS No 90337-93-2)
- \* SURFACTANTS
  - sodium lauryl sulphate (SLS, CAS No 151-21-3)
  - sodium lauryl ether sulphate (SLES, CAS No 9004-82-4)
  - TRITON (CAS No 9002-93-1)
- \* sulphur (s)
- \* sulphur dioxide (CAS No 7446-09-5)
- \* SYNTHETIC MINERAL FIBERS
- \* TALLOW DERIVED ADDITIVES
- \* THIURAMS
  - Tetramethyl thiuram disulfide (CAS No 137-26-8)
  - Tetraethyl thiuram disulfide (CAS No 97-77-8)
  - Tetramethyl thiuram monosulfide (CAS No 97-74-5)
  - Isobutyl thiuram disulfide (CAS No 3064-73-1)
  - Tetrabenzylthiuram disulfide (CAS No 10591-85-2)
  - Dipentamethylene thiuramtetrasulfide (CAS No 120-54-7)
- \* titanium acetyl acetonate (TAA, CAS No 77927-72-9)
- \* titanium dioxide
- \* tributyl phosphate (TBP, CAS No 126-73-8)
- \* tris-Nonylphenol phosphite (TNPP, CAS No 26523-78-4)
- \* UV STABILIZERS and ABSORBERS
  - 2-hydroxybenzophenone (CAS No 117-99-7)
  - 2-benzotriazol-2-yl-4,6-di-tert-butylphenol (UV-320, CAS No 3846-71-7)
  - 3-hydroxybenzophenone (CAS No 13020-57-0)
  - 4-hydroxybenzophenone (CAS No 1137-42-4)
  - 4-methylbenzophenone (CAS No 134-84-9)
  - BENZOPHENONE DERIVATIVES
    - benzophenone (CAS No 119-61-9)
    - benzotriazole (CAS No 95-14-7)
    - michler's ketone (MK)
- \* vinylchloride monomer (VCM, CAS No 75-01-4)
- \* 2 naphthylamine (CAS No 91-59-8)
- \* 2-mercaptobenzothiazole (MBT, CAS No 149-30-4)
- \* 2,4-pentadione, acetilacetone (ACAC, CAS No 123-54-6)
- \* 2,4-di-tert-butylphenol (CAS No 96-76-4)
- \* 4-aminobiphenyl (CAS No 92-67-1)
- \* 4-aminodiphenyl
- \* 4-nitrodiphenyl
- \* 4-tert-butylphenol (CAS No 98-54-4)
- \* 4-tert-octylphenol (CAS No 140-66-9)

#### Disclaimer

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