

RESTRICTED SUBSTANCES LIST – MSR TENTS

TEXTILE FLAME RETARDANTS

APRIL, 2015

INTRODUCTION:

This Restricted Substances List (RSL) was created to provide Cascade Designs tent suppliers, manufacturers, vendors, and customers with information related to regulations and laws that restrict or ban certain chemicals and substances that are commonly used as flame retardants (FR) in textile goods. The chemicals listed below **MAY NOT BE USED** in any concentration on textile materials that are to be used in Cascade Designs tents. This RSL does not include regulations that restrict the use of FR chemicals in the production process, but rather restricts the chemicals that can be found on the finished good. This document will not address regulations on non-textile materials included in the tent, and nor will it address other non-FR coatings and treatments that are present on the textiles.

In addition to adherence to this document, Cascade Designs, Inc. is requesting that an up-to-date Material Safety Data Sheet (MSDS) will be submitted for our records for any FR treatment added to the tent materials including, but not limited to the tent floor, footprint, rain fly, mesh, or tent walls.

LIST STRUCTURE:

For each chemical called out on this RSL, the following information will be provided:

1. CAS Number
2. Common Chemical Name
3. Information on the Restriction/Limit on Final Product

RESTRICTED SUBSTANCES LIST:

| Halogenated Organic | | | |
|---------------------|--------------|---|--|
| CAS Number | Abbreviation | Chemical Name | Restriction |
| 79-94-7 | TBBPA | Tetrabromobisphenyl A | Suspected ECD, Toxic to Aquatic Environments |
| 87-83-2 | | Pentabromotoluene | REACH Annex III Suspected |
| 115-28-6 | HET Acid | Chlorendic acid | California Proposition 65 Listed; IARC Group 2B |
| 118-79-6 | | 2, 4, 6-Tribromophenol | Potential Reproductive Harm |
| 1163-19-5 | DecaBDE | Decabromodiphenyl ether | Oeko-Tek Banned; bluesign Banned; REACH SVHCs |
| 3194-57-8 | | 1,2,5,6-Tetrabromocyclooctane | EPA TSCA Risk Assessment Underway |
| 3296-90-0 | DBNPG | 2,2-Bis(bromomethyl)-1,3-propanediol | California Proposition 65 Listed; bluesign Banned; IARC Group 2B |
| 7415-86-3 | | '1,2-(2,3-dibromopropyl) benzenedicarboxylate | REACH Annex III Suspected |
| 20566-35-2 | | 3,4,5,6-Tetrabromo-1,2-benzenedicarboxylic acid, mixed esters with diethylene glycol and propylene glycol | EPA TSCA Risk Assessment Underway |
| 21850-44-2 | | Tetrabromobisphenol A bis(2,3-dibromopropylether) | bluesign Banned |

CASCADE DESIGNS®

| | | | |
|--|----------|--|---|
| 25637-99-4 3194-55-6 134237-50-6 134237-51-7 134237-52-8 | HBCDD | Hexabromocyclododecane, isomers | Oeko-Tek Banned; bluesign Banned; EPA TSCA Risk Assessment; REACH SVHCs |
| 26040-51-7 | TBPH | Bis (2-ethylhexyl)-2,3,4,5-tetrabromophthalate | EPA TSCA Risk Assessment Underway |
| 32534-81-9 | PentaBDE | Pentabromodiphenyl ethers | Oeko-Tek Banned; bluesign Banned; REACH XVII Listed |
| 32536-52-0 | OctaBDE | Octabromodiphenyl ethers | Oeko-Tek Banned; bluesign Banned; REACH XVII Listed |
| 32588-76-4 | | N-N-Ethylene-bis(tetrabromophthalimide) | Bioaccumulative? |
| 36483-60-0 | HexaBDE | Hexabromodiphenyl ether | bluesign Banned |
| 37853-59-1 | BTBPE | 1,2-Bis(2,4,6-tribromophenoxy)ethane | REACH Annex III Suspected |
| 40088-47-9 | TetraBDE | Tetrabromodiphenyl ether | bluesign Banned |
| 58965-66-5 | | 1,2,4,5-tetrabromo-3,6-bis(pentabromophenoxy)-benzene; Tetradecabromo-1,4-diphenoxybenzene | REACH Annex III Suspected |
| 59536-65-1 | PBBs | Polybrominated biphenyls | Oeko-Tek Banned; bluesign Banned; IARC Group 2B; REACH XVII Listed |
| 61262-53-1 | | 1,1'-[1,2-Ethanediybis(oxy)]bis[2,3,4,5,6-pentabromo-benzene]; 1,2-Bis(2,3,4,5,6-pentabromophenoxy) ethane | REACH Annex III Suspected |
| 68928-80-3 | HeptaBDE | Heptabromodiphenyl ether | bluesign Banned |
| 77098-07-8 | | 2-(2-Hydroxyethoxy)ethyl 2-hydroxypropyl 3,4,5,6-tetrabromobenzenedicaroxylate | REACH Annex III Suspected |
| 84852-53-9 | DBDPE | 1,2-Bis(pentabromophenyl) ethane; Decabromodiphenylethane | EPA TSCA Data Collection |
| 85535-84-8 | SCCP | Paraffins (C10-C13), chlorinated | California Proposition 65 Listed; Oeko-Tek Banned; bluesign Banned; REACH SVHCs |
| 85535-85-9 | MCCP | Paraffin, C14-C17, chlorinated | California Proposition 65 Listed; bluesign Banned |
| 85535-86-0 | LCCP | Paraffin, C18-C28, chlorinated | bluesign Banned |
| 183658-27-7 | TBB | 2-ethylhexyl tetrabromobenzoate | EPA TSCA Risk Assessment Underway |

Organophosphates

| CAS Number | Abbreviation | Chemical Name | Restriction |
|------------|--------------|------------------------------------|--|
| 78-30-8 | | Tri-o-cresyl phosphate | bluesign Banned; REACH XVII Listed |
| 115-96-8 | TCEP | Tris(2-chloroethyl) phosphate | California Proposition 65 Listed; bluesign Banned; REACH SVHCs; EPA TSCA Risk Assessment Underway |
| 126-72-7 | TDBPP | Tris (2,3-dibromopropyl) phosphate | California Proposition 65 Listed; Oeko-Tek Banned; bluesign Banned; IARC Group 2A; REACH XVII Listed |
| 512-26-1 | | Trimethyl phosphate | California Proposition 65 Listed; bluesign Banned |
| 5412-25-9 | | Bis (2,3-dibromopropyl) phosphate | bluesign Banned |
| 13674-84-5 | TCPP | Tris(2-chloro-1-methylethyl) ester | bluesign Banned; EPA TSCA Risk Assessment Underway |

CASCADE DESIGNS®

| | | | |
|--|--------------|---|--|
| 13674-87-8 | TDCPP | Tris(1,3-dichloro-2-propyl) phosphate | California Proposition 65 Listed; bluesign Banned; EPA TSCA Risk Assessment Underway |
| 19186-97-1 | TTBP | Tris(tribromoneopentyl) phosphate | Suspected Neurotoxin |
| 25155-23-1 | | Trixylyl phosphate | bluesign Banned; REACH SVHCs |
| Inorganic Based | | | |
| CAS Number | Abbreviation | Chemical Name | Restriction |
| 1309-64-4 | | Antimony Trioxide | California Proposition 65 Banned; IARC Group 2B |
| Nitrogen-Based Compounds | | | |
| CAS Number | Abbreviation | Chemical Name | Restriction |
| 545-55-1 | TEPA | Tris (1-aziridiny)-phosphine oxide; Triethylenephosphoramidate | Oeko-Tek Banned; bluesign Banned; IARC Group 3 |

RESTRICTED SUBSTANCES LIST – MOUNTAIN SAFETY RESEARCH

TEXTILE PRODUCTION CHEMICALS

SEPTEMBER, 2017

INTRODUCTION:

This Restricted Substances List (RSL) was created to provide MSR suppliers, manufacturers, vendors, and customers with information related to regulations and laws that restrict or ban certain chemicals and substances that are commonly used in the textile supply chain. The chemicals listed below **MAY NOT BE USED** in any concentration on textile materials that are to be used in MSR products. This document will not address regulations on non-textile materials included in MSR products.

In addition to adherence to this document, Cascade Designs, Inc. and MSR are requesting that an up-to-date Safety Data Sheet (SDS) will be submitted for our records for any treatment added to any textile materials including, but not limited to sleeping bag liners, tent floors, tent footprints, rain flies, tent walls, sleeping bag shells, hammocks, mattresses, and chairs slings.

LIST STRUCTURE:

For each chemical called out on this RSL, the following information will be provided:

1. CAS Number
2. Common Chemical Name
3. Information on the Restriction/Limit on Final Product

RESTRICTED SUBSTANCES LIST:

| Fluorinated Substances | | | |
|--|--------------|--|---|
| CAS Number | Abbreviation | Chemical Name | Restriction |
| Perfluorinated Alkylated Substances (PFAS) Chemicals | | | |
| Several | | Perfluoroalkylsulfonates* $\{F(CF_2)_nSO_3^- [n \geq 5]\}$ | bluesign Banned |
| 355-46-4 432-50-7 | PFHxS | Perfluorohexane sulfonic acid*/ Perfluorohexane sulfonate* | bluesign Banned |
| 1763-23-1 | PFOS | Perfluorooctane sulfonic acid*/ Perfluorooctane sulfonate* | bluesign Banned, OEKO-Tex listed, REACH Annex XVII Banned |
| Several | | Perfluoroalkylsulfonamides* $\{F(CF_2)_nSO_2NH_2 [n \geq 5]\}$ | bluesign Banned |
| Several | | Perfluoroalkylsulfonamidoethanols* $\{F(CF_2)_nSO_2N(R)CH_2CH_2OH_2 [n \geq 5, R = H, -CH_3, -CH_2CH_3]\}$ | bluesign Banned |
| Several | | Perfluoroalkylsulfonamidoethyl (meth)acrylates* $\{F(CH_2)_nSO_2N(R)CH_2CH_2OC(O)CH(R)=CH_2 [n \geq 5, R = H, -CH_3, -CH_2CH_3]\}$ | bluesign Banned |
| Fluorotelomer Alcohols (FTOHs) $F(CF_2)_nCH_2CH_2OH$ | | | |
| 678-39-7 | 8:2 FTOH | Perfluorooctylethanol** | bluesign Banned |
| Fluorotelomer Olefins (FTOs) | | | |
| 21652-58-4 | | Perfluorooctylethene** | bluesign Banned |
| Fluorotelomer (Meth)Acrylates | | | |
| Several | | Perfluorooctylethylacrylate or methacrylate** | bluesign Banned |

CASCADE DESIGNS®

| Perfluorocarboxylic Acids and Salts (PFCA) | | | |
|--|--------------|---|--|
| 335-67-1 | PFOA | Perfluorooctanoic acid** | bluesign Banned, OEKO-Tex listed, IARC Group 2B, TSCA Listed, REACH SVHC |
| 3825-26-1 | APFO | Ammonium pentadecafluorooctanoate** | REACH SVHC |
| 375-95-1 | PFNA | Perfluorononanoic acid** | bluesign Banned, OEKO-Tex listed, REACH SVHC |
| 335-76-2 | PFDA | Perfluorodecanoic acid** | OEKO-Tex listed |
| 2058-94-8 | PFUdA | Henicosafuoroundecanoic acid** | OEKO-Tex listed, REACH SVHC |
| 307-55-1 | PFDaA | Tricosafuorododecanoic acid** | OEKO-Tex listed, REACH SVHC |
| 72629-94-8 | PFTrDA | Pentacosafuorotridecanoic acid** | OEKO-Tex listed, REACH SVHC |
| 376-06-7 | PFTeDA | Heptacosafuorotetradecanoic acid** | OEKO-Tex listed, REACH SVHC |
| Perfluorosulfonic Acids and Related Derivatives | | | |
| 307-35-7 | POSF | Perfluorooctanesulfonyl fluoride* | TSCA Listed |
| 754-91-6 | PFOSA | Perfluorooctanesulfonamide* | TSCA Listed |
| Other | | | |
| 116-14-3 | TFE | Tetrafluoroethylene | bluesign Banned, IARC Group 2A, TSCA Listed, California Prop 65 Listed |
| Alkylphenol Ethoxylates (APEOs) (EO) ³⁻²⁰ | | | |
| CAS Number | Abbreviation | Chemical Name | Restriction |
| 37205-87-1 | | Isononylphenol, ethoxylated | bluesign Banned, REACH Annex XVII Banned |
| 68412-54-4 | | Nonylphenol, branched, ethoxylated | bluesign Banned, REACH Annex XVII Banned |
| 68412-53-5 | | Nonylphenol, branched, ethoxylated, phosphated | REACH Annex XVII Banned |
| 127087-87-0 | | 4-Nonylphenol, branched, ethoxylated | bluesign Banned, REACH Annex XVII Banned |
| 68987-90-6 | | Octyl phenol ethoxylate, branched 9.5EO | bluesign Banned |
| 9016-45-9 | NPE | Nonylphenol ethoxylate | bluesign Banned, REACH Annex XVII Banned |
| 9036-19-5 | OPE | Octylphenol ethoxylate | bluesign Banned |
| 9002-93-1 | | Polyoxyethylated nonyl phenol | bluesign Banned |
| 26027-38-3 | | Polyoxyethylated p-nonyl phenol | bluesign Banned, REACH Annex XVII Banned |
| - | | 4-(1,1,3,3-tetramethylbutyl)phenol, ethoxylated | bluesign Banned |
| Alkylphenols (APs) | | | |
| CAS Number | Abbreviation | Chemical Name | Restriction |
| 25154-52-3 | | Nonylphenol, mixed isomers | bluesign Banned, REACH Annex XVII Banned |
| 11066-49-2 | | Isononylphenol | bluesign Banned |
| 104-40-5 | | 4-Nonylphenol | bluesign Banned |
| 84852-15-3 | | 4-Nonylphenol, branched | bluesign Banned |
| 27193-28-8 | | Octylphenol | bluesign Banned |
| 1806-26-4 | | 4-Octylphenol | bluesign Banned |
| 140-66-9 | | 4-tert-Octylphenol | bluesign Banned |
| Phthalates | | | |
| CAS Number | Abbreviation | Chemical Name | Restriction |
| Brominated & Chlorinated Flame Retardants | | | |
| CAS Number | Abbreviation | Chemical Name | Restriction |
| Azo Dyes | | | |
| CAS Number | Abbreviation | Chemical Name | Restriction |
| Chlorobenzenes | | | |

CASCADE DESIGNS®

| CAS Number | Abbreviation | Chemical Name | Restriction |
|--|--------------|----------------|---------------------------|
| Chlorinated Solvents | | | |
| | | | |
| Chlorophenols | | | |
| | | | |
| Short-Chain Chlorinated Paraffins | | | |
| | | | |
| Heavy Metals | | | |
| | | | |
| Other | | | |
| CAS Number | Abbreviation | Chemical Name | Restriction |
| 123-91-1 | | 1,4-Dioxane | California Prop 65 Listed |
| 75-21-8 | | Ethylene oxide | California Prop 65 Listed |

* Ban on long-chain compounds in manufacturing based on long-chain electrofluorination chemistry (C6 and higher)

** Phase-out of long-chain compounds in manufacturing based on long-chain telomere chemistry (C8 and higher) until end of 2014.

RESTRICTED SUBSTANCES LIST – THERMAREST

TEXTILE DURABLE WATER REPELLENTS

JUNE, 2016

INTRODUCTION:

This Restricted Substances List (RSL) was created to provide Therm-A-Rest suppliers, manufacturers, vendors, and customers with information related to regulations and laws that restrict or ban certain chemicals and substances that are commonly used as durable water repellents (DWR) in textile goods. The chemicals listed below **MAY NOT BE USED** in any concentration on textile materials that are to be used in Therm-A-Rest products. This RSL does not include regulations that restrict the use of DWR chemicals in the production process, but rather restricts the chemicals that can be found on finished goods. This document will not address regulations on non-textile materials included in Therm-A-Rest products, and nor will it address other non-DWR coatings and treatments that are present on textiles in Therm-A-Rest products.

In addition to adherence to this document, Cascade Designs, Inc. and Therm-A-Rest are requesting that an up-to-date Material Safety Data Sheet (MSDS) will be submitted for our records for any DWR treatment added to any textile materials including, but not limited to sleeping bag liners, tent floors, tent footprints, rain flies, tent walls, sleeping bag shells, hammocks, mattresses, and chairs slings.

LIST STRUCTURE:

For each chemical called out on this RSL, the following information will be provided:

1. CAS Number
2. Common Chemical Name
3. Information on the Restriction/Limit on Final Product

RESTRICTED SUBSTANCES LIST:

| Fluorinated Substances | | | |
|--|--------------|--|---|
| CAS Number | Abbreviation | Chemical Name | Restriction |
| Perfluorinated Alkylated Substances (PFAS) Chemicals | | | |
| Several | | Perfluoroalkylsulfonates* $\{F(CF_2)_nSO_3^- [n \geq 5]\}$ | bluesign Banned |
| 355-46-4 432-50-7 | PFHxS | Perfluorohexane sulfonic acid*/ Perfluorohexane sulfonate* | bluesign Banned |
| 1763-23-1 | PFOS | Perfluorooctane sulfonic acid*/ Perfluorooctane sulfonate* | bluesign Banned, OEKO-Tex listed, REACH Annex XVII Banned |
| Several | | Perfluoroalkylsulfonamides* $\{F(CF_2)_nSO_2NH_2 [n \geq 5]\}$ | bluesign Banned |
| Several | | Perfluoroalkylsulfonamidoethanols* $\{F(CF_2)_nSO_2N(R)CH_2CH_2OH_2 [n \geq 5, R = H, -CH_3, -CH_2CH_3]\}$ | bluesign Banned |
| Several | | Perfluoroalkylsulfonamidoethyl (meth)acrylates* $\{F(CH_2)_nSO_2N(R)CH_2CH_2OC(O)CH(R)=CH_2 [n \geq 5, R = H, -CH_3, -CH_2CH_3]\}$ | bluesign Banned |
| Fluorotelomer Alcohols (FTOHs) $F(CF_2)_nCH_2CH_2OH$ | | | |
| 678-39-7 | 8:2 FTOH | Perfluorooctylethanol** | bluesign Banned |
| Fluorotelomer Olefins (FTOs) | | | |
| 21652-58-4 | | Perfluorooctylethene** | bluesign Banned |

CASCADE DESIGNS®

| Fluorotelomer (Meth)Acrylates | | | |
|--|--------------|---|--|
| Several | | Perfluorooctylethylacrylate or methacrylate** | bluesign Banned |
| Perfluorocarboxylic Acids and Salts (PFCA) | | | |
| 335-67-1 | PFOA | Perfluorooctanoic acid** | bluesign Banned, OEKO-Tex listed, IARC Group 2B, TSCA Listed, REACH SVHC |
| 3825-26-1 | APFO | Ammonium pentadecafluorooctanoate** | REACH SVHC |
| 375-95-1 | PFNA | Perfluorononanoic acid** | bluesign Banned, OEKO-Tex listed, REACH SVHC |
| 335-76-2 | PFDA | Perfluorodecanoic acid** | OEKO-Tex listed |
| 2058-94-8 | PFUdA | Henicosafluoroundecanoic acid** | OEKO-Tex listed, REACH SVHC |
| 307-55-1 | PFDoA | Tricosafluorododecanoic acid** | OEKO-Tex listed, REACH SVHC |
| 72629-94-8 | PFTrDA | Pentacosafuorotridecanoic acid** | OEKO-Tex listed, REACH SVHC |
| 376-06-7 | PFTeDA | Heptacosafuorotetradecanoic acid** | OEKO-Tex listed, REACH SVHC |
| Perfluorosulfonic Acids and Related Derivatives | | | |
| 307-35-7 | POSF | Perfluorooctanesulfonyl fluoride* | TSCA Listed |
| 754-91-6 | PFOSA | Perfluorooctanesulfonamide* | TSCA Listed |
| Other | | | |
| 116-14-3 | TFE | Tetrafluoroethylene | bluesign Banned, IARC Group 2A, TSCA Listed, California Prop 65 Listed |
| Alkylphenol Ethoxylates (APEOs) (EO) ₃₋₂₀ | | | |
| CAS Number | Abbreviation | Chemical Name | Restriction |
| 37205-87-1 | | Isononylphenol, ethoxylated | bluesign Banned, REACH Annex XVII Banned |
| 68412-54-4 | | Nonylphenol, branched, ethoxylated | bluesign Banned, REACH Annex XVII Banned |
| 68412-53-5 | | Nonylphenol, branched, ethoxylated, phosphated | REACH Annex XVII Banned |
| 127087-87-0 | | 4-Nonylphenol, branched, ethoxylated | bluesign Banned, REACH Annex XVII Banned |
| 68987-90-6 | | Octyl phenol ethoxylate, branched 9.5EO | bluesign Banned |
| 9016-45-9 | NPE | Nonylphenol ethoxylate | bluesign Banned, REACH Annex XVII Banned |
| 9036-19-5 | OPE | Octylphenol ethoxylate | bluesign Banned |
| 9002-93-1 | | Polyoxyethylated nonyl phenol | bluesign Banned |
| 26027-38-3 | | Polyoxyethylated p-nonyl phenol | bluesign Banned, REACH Annex XVII Banned |
| - | | 4-(1,1,3,3-tetramethylbutyl)phenol, ethoxylated | bluesign Banned |
| Alkylphenols (APs) | | | |
| CAS Number | Abbreviation | Chemical Name | Restriction |
| 25154-52-3 | | Nonylphenol, mixed isomers | bluesign Banned, REACH Annex XVII Banned |
| 11066-49-2 | | Isononylphenol | bluesign Banned |
| 104-40-5 | | 4-Nonylphenol | bluesign Banned |
| 84852-15-3 | | 4-Nonylphenol, branched | bluesign Banned |
| 27193-28-8 | | Octylphenol | bluesign Banned |
| 1806-26-4 | | 4-Octylphenol | bluesign Banned |
| 140-66-9 | | 4-tert-Octylphenol | bluesign Banned |
| Other | | | |
| CAS Number | Abbreviation | Chemical Name | Restriction |
| 123-91-1 | | 1,4-Dioxane | California Prop 65 Listed |
| 75-21-8 | | Ethylene oxide | California Prop 65 Listed |

CASCADE DESIGNS®

* Ban on long-chain compounds in manufacturing based on long-chain electrofluorination chemistry (C6 and higher)

** Phase-out of long-chain compounds in manufacturing based on long-chain telomere chemistry (C8 and higher) until end of 2014.

RESTRICTED SUBSTANCES LIST – THERMAREST

TEXTILE PRODUCTION CHEMICALS

SEPTEMBER, 2018

INTRODUCTION:

This Restricted Substances List (RSL) was created to provide Therm-A-Rest suppliers, manufacturers, vendors, and customers with information related to regulations and laws that restrict or ban certain chemicals and substances that are commonly used in the textile supply chain. The chemicals listed below **MAY NOT BE USED** in any concentration on textile materials that are to be used in Therm-A-Rest products. This document will not address regulations on non-textile materials included in Therm-A-Rest products.

In addition to adherence to this document, Cascade Designs, Inc. and Therm-A-Rest are requesting that an up-to-date Safety Data Sheet (SDS) will be submitted for our records for any treatment added to any textile materials including, but not limited to sleeping bag liners, sleeping bag shells, hammocks, mattresses, cots, pillows, and chair slings.

LIST STRUCTURE:

For each chemical called out on this RSL, the following information will be provided:

1. CAS Number
2. Common Chemical Name
3. Information on the Restriction/Limit on Final Product

RESTRICTED SUBSTANCES LIST:

| Aldehydes | | | |
|---------------------------|--------------|---|--|
| CAS Number | Abbreviation | Chemical Name | Restriction |
| 50-00-0 | | Formaldehyde [^] | bluesign Banned; Oeko-Tex Banned; California Proposition 65 Listed; IARC Group 1 |
| 75-07-0 | | Acetaldehyde | California Proposition 65 Listed; IARC Group 2B |
| Acrylates | | | |
| CAS Number | Abbreviation | Chemical Name | Restriction |
| 96-33-3 | | Methyl acrylate | IARC Group 2B |
| 103-11-7 | | 2-Ethylhexyl acrylate | IARC Group 2B |
| 140-88-5 | | Ethyl acrylate | California Proposition 65 Listed; IARC Group 2B |
| Alkylphenols (APs) | | | |
| CAS Number | Abbreviation | Chemical Name | Restriction |
| 104-40-5 | | 4-Nonylphenol | bluesign Banned; REACH XVII Listed |
| 140-66-9 | | 4-tert-Octylphenol / 4-(1,1,3,3-tetramethylbutyl)phenol | bluesign Banned; REACH SVHC |
| 1806-26-4 | | 4-Octylphenol | bluesign Banned |
| 11066-49-2 | | Isononylphenol | bluesign Banned |
| 25154-52-3 | | Nonylphenol, mixed isomers | bluesign Banned; REACH XVII Listed; Oeko-Tex Banned |

CASCADE DESIGNS®

| | | | |
|------------|-----|-------------------------|----------------------------------|
| 27193-28-8 | | Octylphenol | bluesign Banned; Oeko-Tex Banned |
| 84852-15-3 | | 4-Nonylphenol, branched | bluesign Banned |
| - | HpP | Heptylphenol | Oeko-Tex Banned |
| - | PeP | Pentylphenol | Oeko-Tex Banned |

Alkylphenol Ethoxylates (APEOs) (EO)³⁻²⁰

| CAS Number | Abbreviation | Chemical Name | Restriction |
|--------------------------|--------------|---|---|
| 9002-93-1 | | Polyoxyethylated nonyl phenol | bluesign Banned |
| 9016-45-9 2795-39-3 | NPE | Nonylphenol ethoxylate | bluesign Banned; REACH XVII Listed; Oeko-Tex Banned |
| 9036-19-5 | OPE | Octylphenol ethoxylate | bluesign Banned; Oeko-Tex Banned |
| 26027-38-3 | | Polyoxyethylated p-nonyl phenol | bluesign Banned; REACH XVII Listed |
| 37205-87-1 | | Isononylphenol, ethoxylated | bluesign Banned; REACH XVII Listed |
| 68412-53-5 | | Nonylphenol, branched, ethoxylated, phosphated | REACH XVII Listed |
| 68412-54-4 37205-87-1 | | Nonylphenol, branched, ethoxylated | bluesign Banned; REACH XVII Listed |
| 68987-90-6 | | Octyl phenol ethoxylate, branched 9.5EO | bluesign Banned |
| 127087-87-0 | | 4-Nonylphenol, branched, ethoxylated | bluesign Banned; REACH XVII Listed |
| - | | 4-(1,1,3,3-tetramethylbutyl)phenol, ethoxylated | bluesign Banned; REACH XVII Listed |

Arylamines

| CAS Number | Abbreviation | Chemical Name | Restriction |
|------------|--------------|--|--|
| 87-62-7 | | 2,6-Xylidine / 2,6-Dimethylaniline | bluesign Banned; Oeko-Tex Banned; California Proposition 65 Listed; IARC Group 2B |
| 90-04-0 | | 2-Anisidine / o-Anisidine | bluesign Banned; Oeko-Tex Banned; California Proposition 65 Listed; REACH SVHC; REACH XVII Listed; IARC Group 2B |
| 91-59-8 | | 2-Naphthylamine | bluesign Banned; Oeko-Tex Banned; California Proposition 65 Listed; REACH XVII Listed; IARC Group 1 |
| 91-94-1 | | 3,3'-Dichlorobenzidine | bluesign Banned; Oeko-Tex Banned; California Proposition 65 Listed; REACH XVII Listed |
| 92-67-1 | | 4-Aminobiphenyl / 4-Aminodiphenyl / Biphenyl-4-ylamine | bluesign Banned; Oeko-Tex Banned; California Proposition 65 Listed; REACH SVHC; REACH XVII Listed; IARC Group 1 |
| 92-87-5 | | Benzidine | bluesign Banned; Oeko-Tex Banned; California Proposition 65 Listed; REACH XVII Listed; IARC Group 1 |

CASCADE DESIGNS®

| | | | |
|----------|-----|--|--|
| 95-53-4 | | 2-Toluidine / o-Toluidine | bluesign Banned; Oeko-Tex Banned; California Proposition 65 Listed; REACH SVHC; REACH XVII Listed; IARC Group 1 |
| 95-68-1 | | 2,4-Xylidine | bluesign Banned; Oeko-Tex Banned |
| 95-69-2 | | 4-Chlor-2-toluidine / p-Chloro-o-toluidine | bluesign Banned; Oeko-Tex Banned; California Proposition 65 Listed; REACH XVII Listed; IARC Group 2A |
| 95-80-7 | | 2,4-Diaminotoluene / 4-methyl-m-phenylenediamine | bluesign Banned; Oeko-Tex Banned; California Proposition 65 Listed; REACH SVHC; REACH XVII Listed; IARC Group 2B |
| 99-55-8 | | 2-Amino-4-nitrotoluene | bluesign Banned; Oeko-Tex Banned; REACH XVII Listed |
| 101-14-4 | | 4,4'-Methylenebis-(2-chloraniline) / 2,2'-dichloro-4,4'-methylenedianiline | bluesign Banned; Oeko-Tex Banned; California Proposition 65 Listed; REACH SVHC; REACH XVII Listed; IARC Group 1 |
| 101-77-9 | MDA | 4,4'-Diaminodiphenylmethane / 4,4'-Methylenedianiline | bluesign Banned; Oeko-Tex Banned; California Proposition 65 Listed; REACH SVHC; REACH XVII Listed; IARC Group 2B |
| 101-80-4 | | 4,4'-Oxydianiline / 4,4'-Diaminodiphenyl ether | bluesign Banned; Oeko-Tex Banned; California Proposition 65 Listed; REACH XVII Listed; IARC Group 2B |
| 106-47-8 | | 4-Chloroaniline / p-chloroaniline | bluesign Banned; Oeko-Tex Banned; California Proposition 65 Listed; REACH XVII Listed; IARC Group 2B |
| 119-90-4 | | 3,3'-Dimethoxybenzidine / o-Dianisidine | bluesign Banned; Oeko-Tex Banned; California Proposition 65 Listed; REACH XVII Listed; IARC Group 2B |
| 119-93-7 | | 3,3'-Dimethylbenzidine / o-Tolidine | bluesign Banned; Oeko-Tex Banned; California Proposition 65 Listed; REACH XVII Listed; IARC Group 2B |
| 120-71-8 | | p-Cresidine / 6-methoxy-m-toluidine | bluesign Banned; Oeko-Tex Banned; California Proposition 65 Listed; REACH SVHC; REACH XVII Listed; IARC Group 2B |
| 137-17-7 | | 2,4,5-Trimethylaniline | bluesign Banned; Oeko-Tex Banned; REACH XVII Listed |

CASCADE DESIGNS®

| | | | |
|------------|--|--|--|
| 139-65-1 | | 4,4'-Thiodianiline | bluesign Banned; Oeko-Tex Banned; California Proposition 65 Listed; REACH XVII Listed; IARC Group 2B |
| 553-00-4 | | 2-Naphthylammoniumacetate | bluesign Banned; REACH XVII Listed |
| 615-05-4 | | 2,4-Diaminoanisole | bluesign Banned; Oeko-Tex Banned; REACH XVII Listed; IARC Group 2B |
| 838-88-0 | | 3,3'-Dimethyl-4,4'-diaminodiphenylmethane / 4,4'-methylenedi-o-toluidine | bluesign Banned; Oeko-Tex Banned; REACH SVHC; REACH XVII Listed; IARC Group 2B |
| 3165-93-3 | | 4-Chloro-o-toluidinium chloride | bluesign Banned; REACH XVII Listed |
| 21436-97-5 | | 2,4,5-Trimethylaniline hydrochloride | bluesign Banned; REACH XVII Listed |
| 39156-41-7 | | 4-Methoxy-m-phenylene diammonium sulphate; 2,4-diaminoanisole sulphate | bluesign Banned; REACH XVII Listed |

Asbestos

| CAS Number | Abbreviation | Chemical Name | Restriction |
|------------|--------------|---------------|--|
| 12001-28-4 | | Crocidolite | bluesign Banned; REACH XVII Listed; IARC Group 1 |
| 12001-29-5 | | Chrysotile | bluesign Banned; REACH XVII Listed; IARC Group 1 |
| 12172-73-5 | | Amosite | bluesign Banned; REACH XVII Listed; IARC Group 1 |
| 77536-66-4 | | Actinolite | bluesign Banned; REACH XVII Listed; IARC Group 1 |
| 77536-67-5 | | Anthophyllite | bluesign Banned; REACH XVII Listed; IARC Group 1 |
| 77536-68-6 | | Tremolite | bluesign Banned; REACH XVII Listed; IARC Group 1 |

Chlorinated Aromatic Hydrocarbons

| CAS Number | Abbreviation | Chemical Name | Restriction |
|------------|--------------|---|---|
| 108-90-7 | | Monochlorobenzene | bluesign Banned |
| Several | | Dichlorobenzene, all isomers | bluesign Banned |
| 95-50-1 | | 1,2-Dichlorobenzene | bluesign Banned |
| 541-73-1 | | 1,3-Dichlorobenzene | bluesign Banned |
| 106-46-7 | | 1,4-Dichlorobenzene / p-Dichlorobenzene | bluesign Banned; California Proposition 65 Listed; REACH XVII Listed; IARC Group 2B |
| Several | | Trichlorobenzene, all isomers | bluesign Banned |
| 87-61-6 | | 1,2,3-Trichlorobenzene | bluesign Banned |
| 120-82-1 | | 1,2,4-Trichlorobenzene | bluesign Banned; REACH XVII Listed |
| 108-70-3 | | 1,3,5-Trichlorobenzene | bluesign Banned |
| Several | | Tetrachlorobenzene, all isomers | bluesign Banned |
| 634-66-2 | | 1,2,3,4-Tetrachlorobenzene | bluesign Banned |
| 634-90-2 | | 1,2,3,5-Tetrachlorobenzene | bluesign Banned |
| 95-94-3 | | 1,2,4,5-Tetrachlorobenzene | bluesign Banned |
| 608-93-5 | | Pentachlorobenzene | bluesign Banned |

CASCADE DESIGNS®

| 118-74-1 | | Hexachlorobenzene | bluesign Banned; California Proposition 65 Listed; IARC Group 2B |
|------------------------------|--------------|---|---|
| Several | | Monochlorotoluenes, all isomers | bluesign Banned |
| 95-49-8 | | 2-Chlorotoluene | bluesign Banned |
| 108-41-8 | | 3-Chlorotoluene | bluesign Banned |
| 106-43-4 | | 4-Chlorotoluene | bluesign Banned |
| 100-44-7 | | α-Chlorotoluene / Benzyl chloride | bluesign Banned; California Proposition 65 Listed; REACH XVII Listed; IARC Group 2A |
| Several | | Dichlorotoluenes, all isomers | bluesign Banned |
| 32768-54-0 | | 2,3-Dichlorotoluene | bluesign Banned |
| 95-73-8 | | 2,4-Dichlorotoluene | bluesign Banned |
| 19398-61-9 | | 2,5-Dichlorotoluene | bluesign Banned |
| 118-69-4 | | 2,6-Dichlorotoluene | bluesign Banned |
| 95-75-0 | | 3,4-Dichlorotoluene | bluesign Banned |
| 25186-47-4 | | 3,5-Dichlorotoluene | bluesign Banned |
| Several | | Trichlorotoluenes, all isomers | bluesign Banned |
| 7359-72-0 | | 2,3,4-Trichlorotoluene | bluesign Banned |
| 2077-46-5 | | 2,3,6-Trichlorotoluene | bluesign Banned |
| 6639-30-1 | | 2,4,5-Trichlorotoluene | bluesign Banned |
| 23749-65-7 | | 2,4,6-Trichlorotoluene | bluesign Banned |
| 21472-86-8 | | 3,4,5-Trichlorotoluene | bluesign Banned |
| 98-07-7 | | α,α,α-Trichlorotoluene / Benzotrichloride | bluesign Banned; California Proposition 65 Listed; REACH XVII Listed; IARC Group 2A |
| Several | | Tetrachlorotoluenes, all isomers | bluesign Banned |
| 76057-12-0 | | 2,3,4,5-Tetrachlorotoluene | bluesign Banned |
| 29733-70-8 | | 2,3,5,6-Tetrachlorotoluene | bluesign Banned |
| 875-40-1 | | 2,3,4,6-Tetrachlorotoluene | bluesign Banned |
| 5216-25-1 | | α,α,α,4-Tetrachlorotoluene / p-α,α,α-Tetrachlorotoluene | bluesign Banned; California Proposition 65 Listed; REACH XVII Listed |
| 877-11-2 | | Pentachlorotoluene | bluesign Banned |
| Chlorinated Paraffins | | | |
| CAS Number | Abbreviation | Chemical Name | Restriction |
| 63449-39-8 | | Paraffin wax, chlorinated | bluesign Banned |
| 85535-84-8 | SCCP | Paraffin, C10-C13, chlorinated | California Proposition 65 Listed; Oeko-Tex Banned; bluesign Banned; REACH SVHC; Prohibited by REI |
| 85535-85-9 | MCCP | Paraffin, C14-C17, chlorinated | California Proposition 65 Listed; bluesign Banned |
| 85535-86-0 | LCCP | Paraffin, C18-C28, chlorinated | bluesign Banned |
| Chlorinated Phenols | | | |
| CAS Number | Abbreviation | Chemical Name | Restriction |
| 25167-80-0 | MonoCP | Monochlorophenols | bluesign Banned; Oeko-Tex Banned |
| 95-57-8 | | 2-Chlorophenol | bluesign Banned; Oeko-Tex Banned |
| 108-43-0 | | 3-Chlorophenol | bluesign Banned; Oeko-Tex Banned |

CASCADE DESIGNS®

| | | | |
|------------|-------|---------------------------|---|
| 106-48-9 | | 4-Chlorophenol | bluesign Banned; Oeko-Tex Banned |
| 25167-81-1 | DiCP | Dichlorophenols | bluesign Banned, Oeko-Tex Banned |
| 576-24-9 | | 2,3-Dichlorophenol | bluesign Banned; Oeko-Tex Banned |
| 120-83-2 | | 2,4-Dichlorophenol | bluesign Banned; Oeko-Tex Banned |
| 583-78-8 | | 2,5-Dichlorophenol | bluesign Banned; Oeko-Tex Banned |
| 87-65-0 | | 2,6-Dichlorophenol | bluesign Banned; Oeko-Tex Banned |
| 95-77-2 | | 3,4-Dichlorophenol | bluesign Banned; Oeko-Tex Banned |
| 591-35-5 | | 3,5-Dichlorophenol | bluesign Banned; Oeko-Tex Banned |
| 25167-82-2 | TriCP | Trichlorophenols | bluesign Banned, Oeko-Tex Banned |
| 15950-66-0 | | 2,3,4-Trichlorophenol | bluesign Banned; Oeko-Tex Banned |
| 933-78-8 | | 2,3,5-Trichlorophenol | bluesign Banned; Oeko-Tex Banned |
| 933-75-5 | | 2,3,6-Trichlorophenol | bluesign Banned; Oeko-Tex Banned |
| 95-95-4 | | 2,4,5-Trichlorophenol | bluesign Banned; Oeko-Tex Banned |
| 88-06-2 | | 2,4,6-Trichlorophenol | bluesign Banned; Oeko-Tex Banned; California Proposition 65 Listed; IARC Group 2B |
| 609-19-8 | | 3,4,5-Trichlorophenol | bluesign Banned; Oeko-Tex Banned |
| 25167-83-3 | TeCP | Tetrachlorophenols | bluesign Banned; Oeko-Tex Banned |
| 4901-51-3 | | 2,3,4,5-Tetrachlorophenol | bluesign Banned; Oeko-Tex Banned |
| 58-90-2 | | 2,3,4,6-Tetrachlorophenol | bluesign Banned; Oeko-Tex Banned |
| 935-95-5 | | 2,3,5,6-Tetrachlorophenol | bluesign Banned; Oeko-Tex Banned |
| 87-86-5 | PCP | Pentachlorophenol | bluesign Banned; Oeko-Tex Banned; California Proposition 65 Listed; REACH XVII Listed; IARC Group 1 |

Colorants & Dyes

| CAS Number | Abbreviation | Chemical Name | Restriction |
|------------|--------------|--|--|
| 60-09-3 | | Solvent Yellow 1 / p-Aminoazobenzene / 4-Aminoazobenzene | bluesign Banned; Oeko-Tex Banned; California Proposition 65 Listed; REACH SVHC; REACH XVII Listed; IARC Group 2B |
| 82-28-0 | | Disperse Orange 11 / 1-Amino-2-metylanthraquinone | bluesign Banned; Oeko-Tex Banned; California Proposition 65 Listed |

CASCADE DESIGNS®

| | | | |
|------------------------------------|--|--------------------------------------|--|
| 97-56-3 | | Solvent Yellow 3 / o-Aminoazotoluene | bluesign Banned; Oeko-Tex Banned; California Proposition 65 Listed; REACH SVHC; REACH XVII Listed; IARC Group 2B |
| 119-15-3 | | Disperse Yellow 1 | bluesign Banned; Oeko-Tex Banned |
| 548-62-9 603-48-5 14426-25-6 | | Basic Violet 3 | bluesign Banned; Oeko-Tex Banned; REACH SVHC; REACH XVII Listed |
| 569-61-9 | | Basic Red 9 | bluesign Banned; Oeko-Tex Banned; California Proposition 65 Listed; IARC Group 2B |
| 573-58-0 | | Direct Red 28 | bluesign Banned; Oeko-Tex Banned; REACH SVHC; REACH XVII Listed |
| 632-99-5 | | Basic Violet 14 / Magenta | bluesign Banned; Oeko-Tex Banned; IARC Group 2B |
| 730-40-5 | | Disperse Orange 3 | bluesign Banned; Oeko-Tex Banned |
| 842-07-9 | | Solvent Yellow 14 | California Proposition 65 Listed |
| 1344-37-2 | | Pigment Yellow 34 | bluesign Banned; Oeko-Tex Banned; REACH SVHC; REACH XVII Listed |
| 1937-37-7 | | Direct Black 38 | bluesign Banned; Oeko-Tex Banned; California Proposition 65 Listed; REACH SVHC; REACH XVII Listed |
| 2429-74-5 | | Direct Blue 15 | bluesign Banned; Oeko-Tex Banned; California Proposition 65 Listed; IARC Group 2B |
| 2475-45-8 | | Disperse Blue 1 | bluesign Banned; Oeko-Tex Banned; California Proposition 65 Listed; REACH XVII Listed; IARC Group 2B |
| 2475-46-9 | | Disperse Blue 3 | bluesign Banned; Oeko-Tex Banned |
| 2580-56-5 | | Basic Blue 26 | bluesign Banned; Oeko-Tex Banned; REACH SVHC |
| 2581-69-3 | | Disperse Orange 1 | bluesign Banned; Oeko-Tex Banned |
| 2602-46-2 | | Direct Blue 6 | bluesign Banned; Oeko-Tex Banned; California Proposition 65 Listed; REACH XVII Listed |
| 2646-17-5 | | Solvent Orange 2 | IARC Group 2B |
| 2832-40-8 | | Disperse Yellow 3 | bluesign Banned; Oeko-Tex Banned; California Proposition 65 Listed |
| 2872-48-2 | | Disperse Red 11 | bluesign Banned; Oeko-Tex Banned |

CASCADE DESIGNS®

| | | | |
|--|--|--------------------------|---|
| 2872-52-8 | | Disperse Red 1 | bluesign Banned; Oeko-Tex Banned |
| 3179-89-3 | | Disperse Red 17 | bluesign Banned; Oeko-Tex Banned |
| 3179-90-6 | | Disperse Blue 7 | bluesign Banned; Oeko-Tex Banned |
| 3761-53-3 | | Acid Red 26 / Ponceau MX | bluesign Banned; Oeko-Tex Banned; California Proposition 65 Listed; IARC Group 2B |
| 3860-63-7 | | Disperse Blue 26 | bluesign Banned; Oeko-Tex Banned |
| 5160-02-1 | | D&C Red 9 | California Proposition 65 Listed |
| 6250-23-3 | | Disperse Yellow 23 | bluesign Banned; Oeko-Tex Banned |
| 6373-73-5 | | Disperse Yellow 9 | bluesign Banned; Oeko-Tex Banned |
| 6459-94-5 | | Acid Red 114 | bluesign Banned; Oeko-Tex Banned; California Proposition 65 Listed; IARC Group 2B |
| 6472-91-9 | | Direct Yellow 1 | bluesign Banned |
| 6786-83-0 | | Solvent Blue 4 | REACH SVHC |
| 12222-75-2 56524-77-7 | | Disperse Blue 35 | bluesign Banned; Oeko-Tex Banned |
| 12222-97-8 | | Disperse Blue 102 | bluesign Banned; Oeko-Tex Banned |
| 12223-01-7 | | Disperse Blue 106 | bluesign Banned; Oeko-Tex Banned |
| 12223-33-5 13301-61-6 51811-42-8 | | Disperse Orange 37/59/76 | bluesign Banned; Oeko-Tex Banned |
| 12236-29-2 | | Disperse Yellow 39 | bluesign Banned; Oeko-Tex Banned |
| 12656-85-8 | | Pigment Red 104 | bluesign Banned; Oeko-Tex Banned; REACH SVHC; REACH XVII Listed |
| 16071-86-6 | | Direct Brown 95 | bluesign Banned; Oeko-Tex Banned; California Proposition 65 Listed; REACH XVII Listed |
| 23355-64-8 | | Disperse Brown 1 | bluesign Banned; Oeko-Tex Banned |
| 28407-37-6 | | Direct Blue 218 | California Proposition 65 Listed |
| 54824-37-2 | | Disperse Yellow 49 | bluesign Banned; Oeko-Tex Banned |
| 61951-51-7 | | Disperse Blue 124 | bluesign Banned; Oeko-Tex Banned |
| 68186-89-0 | | Pigment Black 25 | bluesign Banned; REACH XVII Listed |
| 68610-24-2 | | Pigment Yellow 157 | bluesign Banned; REACH XVII Listed |
| 85136-23-3 | | Disperse Orange 149 | bluesign Banned; Oeko-Tex Banned |

CASCADE DESIGNS®

| | | | |
|---|--|---|---|
| Several | | Basic Green 4 | bluesign Banned; Oeko-Tex Banned |
| 569-64-2 | | Malachite green chloride | bluesign Banned; Oeko-Tex Banned |
| 2437-29-8 | | Malachite green oxalate | bluesign Banned; Oeko-Tex Banned |
| 10309-95-2 | | Malachite green | bluesign Banned; Oeko-Tex Banned |
| EC Number: 405-665-4 Component 1: 118685-33-9 Component 2: Not allocated | | Navy Blue – A mixture of: disodium (6-(4-anisidino)-3-sulfonat-2-(3,5-dinitro-2-oxidophenylazo)-1-naphtholato)(1-(5-chloro-2-oxiphenylazo)-2-naphtholato)chromate(1-), trisodium bis(6-(4-anisidino)-3-sulfonato-2-(3,5-dinitro-2-oxidophenylazo)-1-naphtholato)chromate(1-) Component 1: CAS No: 118685-33-9 C39H23ClCrN7O12S.2Na / Component 2: C46H30CrN10O2S2.3Na | bluesign Banned; Oeko-Tex Banned; REACH XVII Listed |

Dioxins and Furans

| CAS Number | Abbreviation | Chemical Name | Restriction |
|-------------|--------------|--|---|
| 1746-01-6 | TCDD | 2,3,7,8-Tetrachlorodibenzo-p-dioxin | bluesign Banned; California Proposition 65 Listed; IARC Group 1 |
| 3268-87-9 | | 1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin | bluesign Banned |
| 19408-74-3 | | 1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin | bluesign Banned |
| 35822-46-9 | | 1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin | bluesign Banned |
| 39001-02-0 | | 1,2,3,4,6,7,8,9-Octachlorodibenzofuran | bluesign Banned |
| 39227-28-6 | | 1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin | bluesign Banned |
| 40321-76-4 | | 1,2,3,7,8-Pentachlorodibenzo-p-dioxin | bluesign Banned |
| 50585-41-6 | | 2,3,7,8-Tetrabromodibenzo-p-dioxin | bluesign Banned |
| 51207-31-9 | | 2,3,7,8-Tetrachlorodibenzofuran | bluesign Banned |
| 55673-89-7 | | 1,2,3,4,7,8,9-Heptachlorodibenzofuran | bluesign Banned |
| 57117-31-4 | | 2,3,4,7,8-Pentachlorodibenzofuran | bluesign Banned; IARC Group 1 |
| 57117-41-6 | | 1,2,3,7,8-Pentachlorodibenzofuran | bluesign Banned |
| 57117-44-9 | | 1,2,3,6,7,8-Hexachlorodibenzofuran | bluesign Banned |
| 57653-85-7 | | 1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin | bluesign Banned |
| 60851-34-5 | | 2,3,4,6,7,8-Hexachlorodibenzofuran | bluesign Banned |
| 67562-39-4 | | 1,2,3,4,6,7,8-Heptachlorodibenzofuran | bluesign Banned |
| 67733-57-7 | | 2,3,7,8-Tetrabromodibenzofuran | bluesign Banned |
| 70648-26-9 | | 1,2,3,4,7,8-Hexachlorodibenzofuran | bluesign Banned |
| 72918-21-9 | | 1,2,3,7,8,9-Hexachlorodibenzofuran | bluesign Banned |
| 107555-93-1 | | 1,2,3,7,8-Pentabromodibenzofuran | bluesign Banned |
| 109333-34-8 | | 1,2,3,7,8-Pentabromodibenzo-p-dioxin | bluesign Banned |
| 110999-44-5 | | 1,2,3,4,7,8-Hexabromodibenzo-p-dioxin | bluesign Banned |
| 110999-45-6 | | 1,2,3,6,7,8-Hexabromodibenzo-p-dioxin | bluesign Banned |
| 110999-46-7 | | 1,2,3,7,8,9-Hexabromodibenzo-p-dioxin | bluesign Banned |
| 131166-92-2 | | 2,3,4,7,8-Pentabromodibenzofuran | bluesign Banned |

Flame Retardants

| CAS Number | Abbreviation | Chemical Name | Restriction |
|---------------------|--------------|--------------------------------------|--|
| Halogenated Organic | | | |
| 79-94-7 | TBBPA | Tetrabromobisphenyl A | bluesign Banned; Oeko-Tex Banned; California Proposition 65 Listed; IARC Group 2A; Prohibited by REI |
| 115-28-6 | HET Acid | Chlorendic acid | California Proposition 65 Listed; IARC Group 2B |
| 3296-90-0 | DBNPG | 2,2-Bis(bromomethyl)-1,3-propanediol | California Proposition 65 Listed; bluesign Banned; |

CASCADE DESIGNS®

| | | | |
|--|---------------|---|---|
| | | | IARC Group 2B; Oeko-Tex Banned; Prohibited by REI |
| 5412-25-9 | BDBPP | Bis(2,3-dibromopropyl)phosphate | bluesign Banned; Oeko-Tex Banned; Prohibited by REI |
| 21850-44-2 | | Tetrabromobisphenol A bis(2,3-dibromopropylether) | bluesign Banned |
| 25637-99-4 3194-55-6 134237-50-6 134237-51-7 134237-52-8 | HBCDD | Hexabromocyclododecane, isomers | Oeko-Tex Banned; bluesign Banned; EPA TSCA Risk Assessment; REACH SVHC; Prohibited by REI |
| Several | PBDE | Polybrominated diphenyl ethers | bluesign Banned; Prohibited by REI |
| 1163-19-5 | DecaBDE | Decabromodiphenyl ether / Bis(pentabromophenyl) ether | Oeko-Tex Banned; bluesign Banned; REACH SVHC; REACH XVII Listed; Prohibited by REI |
| 32534-81-9 | PentaBDE | Pentabromodiphenyl ethers | Oeko-Tex Banned; bluesign Banned; REACH XVII Listed; Prohibited by REI |
| 32536-52-0 | OctaBDE | Octabromodiphenyl ethers | Oeko-Tex Banned; bluesign Banned; REACH XVII Listed; Prohibited by REI |
| 36483-60-0 | HexaBDE | Hexabromodiphenyl ether | bluesign Banned; Oeko-Tex Banned; Prohibited by REI |
| 40088-47-9 | TetraBDE | Tetrabromodiphenyl ether | bluesign Banned; Oeko-Tex Banned; Prohibited by REI |
| 59536-65-1 Several | PBBs | Polybrominated biphenyls | Oeko-Tex Banned; bluesign Banned; IARC Group 2A; REACH XVII Listed; Prohibited by REI |
| 63936-56-1 | NonaBDE | Nonabromodiphenyl ether | bluesign Banned |
| 68928-80-3 | HeptaBDE | Heptabromodiphenyl ether | bluesign Banned; Oeko-Tex Banned; Prohibited by REI |
| Organophosphates | | | |
| 78-30-8 | | Tri-o-cresyl phosphate | bluesign Banned; REACH XVII Listed |
| 115-96-8 | TCEP | Tris(2-chloroethyl) phosphate | California Proposition 65 Listed; bluesign Banned; REACH SVHC; REACH XVII Listed; Oeko-Tex Banned; Prohibited by REI |
| 126-72-7 | TDBPP TRIS | Tris (2,3-dibromopropyl) phosphate | California Proposition 65 Listed; Oeko-Tex Banned; bluesign Banned; IARC Group 2A; REACH XVII Listed; Prohibited by REI |
| 512-26-1 | | Trimethyl phosphate | California Proposition 65 Listed; bluesign Banned; Prohibited by REI |
| 5412-25-9 | | Bis (2,3-dibromopropyl) phosphate | bluesign Banned |
| 13674-84-5 | TCPP | Tris(2-chloro-1-methylethyl) ester | bluesign Banned |
| 13674-87-8 | TDCPP | Tris(1,3-dichloro-2-propyl) phosphate | California Proposition 65 Listed; bluesign Banned; Oeko-Tex Banned; Prohibited by REI |

CASCADE DESIGNS®

| | | | |
|--|--------------|---|--|
| 25155-23-1 | | Trixylyl phosphate | bluesign Banned; REACH SVHC; Oeko-Tex Banned; REACH XVII Listed |
| Nitrogen-Based Compounds | | | |
| 545-55-1 | TEPA | Tris (1-aziridiny)-phosphine oxide / Triethylenephosphoramidate | Oeko-Tex Banned; bluesign Banned; IARC Group 3; REACH XVII Listed; Prohibited by REI |
| Inorganic Based | | | |
| 1303-86-2 | | Diboron trioxide | Oeko-Tex Banned; REACH SVHC; REACH XVII Listed |
| 1303-96-4 1330-43-4 12179-04-3 | | Disodium tetraborate, anhydrous | Oeko-Tex Banned; REACH SVHC; REACH XVII Listed |
| 1309-64-4 | | Antimony trioxide | California Proposition 65 Listed; IARC Group 2B |
| 10043-35-3 11113-50-1 | | Boric acid | Oeko-Tex Banned; REACH XVII Listed; REACH SVHC |
| 12267-73-1 | | Tetraboron disodium heptaoxide, hydrate | Oeko-Tex Banned; REACH SVHC; REACH XVII Listed |
| Fluorinated Substances | | | |
| CAS Number | Abbreviation | Chemical Name | Restriction |
| Fluorinated Greenhouse Gases | | | |
| 75-10-5 | HFC-32 | Difluoromethane | bluesign Banned |
| 75-49-7 | HFC-23 | Fluoroform | bluesign Banned |
| 75-37-6 | HFC-152a | 1,1-Difluoroethane | bluesign Banned |
| 75-73-0 | CFC-14 | Perfluoromethane | bluesign Banned |
| 76-16-4 | Halon-2600 | Perfluoroethane | bluesign Banned |
| 76-19-7 | | Perfluoropropane | bluesign Banned |
| 115-25-3 | | Perfluorocyclobutane | bluesign Banned |
| 354-33-6 | HFC-125 | Pentafluoroethane | bluesign Banned |
| 355-25-9 | PFB | Perfluorobutane | bluesign Banned |
| 355-42-0 | | Perfluorohexane | bluesign Banned |
| 359-35-3 | HFC-134 | 1,1,1,2-Tetrafluoroethane | bluesign Banned |
| 406-58-6 | HFC-365mfc | 1,1,1,3,3-Pentafluorobutane | bluesign Banned |
| 420-46-2 | HFC-143a | 1,1,1-Trifluoroethane | bluesign Banned |
| 430-66-0 | HFC-143 | 1,1,2-Trifluoroethane | bluesign Banned |
| 431-63-0 | HFC-236ea | 1,1,1,2,3,3-Hexafluoropropane | bluesign Banned |
| 431-89-0 | HFC-227ea | 1,1,1,2,3,3,3-Heptafluoropropane | bluesign Banned |
| 460-73-1 | HFC-245fa | Pentafluoropropane | bluesign Banned |
| 593-53-3 | HFC-41 | Fluoromethane | bluesign Banned |
| 677-56-5 | HFC-236cb | 1,1,1,2,2,3-Hexafluoropropane | bluesign Banned |
| 678-26-2 | PFP | Perfluoropentane | bluesign Banned |
| 679-86-7 | HFC-245ca | 1,1,2,2,3-Pentafluoropropane | bluesign Banned |
| 690-39-1 | HFC-236fa | 1,1,1,3,3,3-Hexafluoropropane | bluesign Banned |
| 811-97-2 | HFC-134a | 1,1,1,2-Tetrafluoroethane | bluesign Banned |
| 2551-62-4 | SF6 | Sulphur hexafluoride | bluesign Banned |
| 138495-42-8 | HFC-43-10mee | 2H,3H-Decafluoropentane | bluesign Banned |
| Perfluorinated Alkylated Substances (PFAS) Chemicals | | | |
| Several | | Perfluoroalkylsulfonates* {F(CF ₂) _n SO ₃ ⁻ [n ≥ 5]} | bluesign Banned |
| 355-46-4 432-50-7 | PFHxS | Perfluorohexane sulfonic acid*/ Perfluorohexane sulfonate* | bluesign Banned; Oeko-Tex Banned |
| 1763-23-1 2795-39-3 | PFOS | Perfluorooctane sulfonic acid*/ Perfluorooctane sulfonate* | bluesign Banned; Oeko-Tex Banned; REACH XVII Listed; |

CASCADE DESIGNS®

| | | | |
|--|-------------|--|--|
| | | | California Proposition 65 Listed |
| Several | | Perfluoroalkylsulfonamides* {F(CF ₂) _n SO ₂ NH ₂ [n ≥ 5]} | bluesign Banned |
| Several | | Perfluoroalkylsulfonamidoethanols* {F(CF ₂) _n SO ₂ N(R)CH ₂ CH ₂ OH ₂ [n ≥ 5, R = H, -CH ₃ , -CH ₂ CH ₃]} | bluesign Banned |
| Several | | Perfluoroalkylsulfonamidoethyl (meth)acrylates* {F(CH ₂) _n SO ₂ N(R)CH ₂ CH ₂ OC(O)CH(R)=CH ₂ [n ≥ 5, R = H, -CH ₃ , -CH ₂ CH ₃]} | bluesign Banned |
| Fluorotelomer Alcohols (FTOHs) F(CF ₂) _n CH ₂ CH ₂ OH | | | |
| 647-42-7 | 6:2 FTOH | 1H,1H,2H,2H-Perfluoro-1-octanol | Oeko-Tex Banned |
| 678-39-7 | 8:2 FTOH | Perfluorooctylethanol** / 1H,1H,2H,2H-Perfluoro-1-decanol | bluesign Banned; Oeko-Tex Banned |
| 865-86-1 | 10:2 FTOH | 1H,1H,2H,2H-Perfluoro-1-dodecanol | Oeko-Tex Banned |
| 2043-47-2 | 4:2 FTOH | 1H,1H,2H,2H-Perfluoro-1-hexanol | Oeko-Tex Banned |
| Fluorotelomer Olefins (FTOs) | | | |
| 21652-58-4 | | Perfluorooctylethene** | bluesign Banned |
| Fluorotelomer (Meth)Acrylates | | | |
| Several | | Perfluorooctylethylacrylate or methacrylate** | bluesign Banned |
| Perfluorocarboxylic Acids and Salts (PFCA) | | | |
| 307-24-4 et. al. | PFHxA | Perfluorohexanoic acid and salts | bluesign Banned; Oeko-Tex Banned |
| 307-55-1 | PFDoA | Tricosafuorododecanoic acid** | Oeko-Tex Banned; REACH SVHC |
| 335-67-1 | PFOA | Perfluorooctanoic acid** | bluesign Banned; Oeko-Tex Banned; IARC Group 2B; REACH SVHC; California Proposition 65 Listed; REACH XVII Listed |
| 335-76-2 | PFDA | Perfluorodecanoic acid** | Oeko-Tex Banned |
| 375-22-4 et. al. | PFBA | Perfluorobutanoic acid and salts | Oeko-Tex Banned |
| 375-85-9 et. al. | PFHpA | Perfluoroheptanoic acid and salts | Oeko-Tex Banned |
| 375-95-1 | PFNA | Perfluorononanoic acid** | bluesign Banned; Oeko-Tex Banned; REACH SVHC; REACH XVII Listed |
| 376-06-7 | PFTeDA | Heptacosafuorotetradecanoic acid** | Oeko-Tex Banned; REACH SVHC |
| 1546-95-8 et. al. | 7HPFHpA | 7H-Perfluoro heptanoic acid and salts | Oeko-Tex Banned |
| 2058-94-8 | PFUdA | Henicosafuoroundecanoic acid** | Oeko-Tex Banned; REACH SVHC |
| 2706-90-3 et. al. | PFPeA | Perfluoropentanoic acid and salts | Oeko-Tex Banned |
| 3825-26-1 | APFO | Ammonium pentadecafluorooctanoate** | REACH SVHC; REACH XVII Listed |
| 34598-33-9 et. al. | 4HPFUnA | 2H,2H,3H,3H-Perfluoroundecanoic acid and salts | Oeko-Tex Banned |
| 72629-94-8 | PFTrDA | Pentacosafuorotridecanoic acid** | Oeko-Tex Banned; REACH SVHC |
| 172155-07-6 et. al. | PF-3,7-DMOA | Perfluoro(3,7-dimethyloctanoic acid) and salts | Oeko-Tex Banned |

CASCADE DESIGNS®

| PFOA-Related Substances | | | |
|---|--------------------|--|--|
| 507-63-1 | | Heptadecafluoro-1-iodooctane** | bluesign Banned |
| 2043-53-0 | | 1H,1H,2H,2H-Perfluorodecyl iodide** | bluesign Banned |
| Perfluorosulfonic Acids and Related Derivatives | | | |
| 307-35-7 | POSF | Perfluorooctanesulfonyl fluoride* | Oeko-Tex Banned |
| 335-77-3 et. al. | PFDS | Henicosafuorodecane sulfonic acid and salts | Oeko-Tex Banned |
| 375-73-5 59933-66-3 et. al. | PFBS | Perfluorobutane sulfonic acid and salts | Oeko-Tex Banned |
| 375-92-8 et. al. | PFHpS | Perfluoroheptane sulfonic acid and salts | Oeko-Tex Banned |
| 754-91-6 | PFOSA | Perfluorooctanesulfonamide* | TSCA Listed; Oeko-Tex Banned |
| 1691-99-2 | N-Et-FOSE | N-Ethyl perfluorooctane sulfonamide ethanol | Oeko-Tex Banned |
| 4151-50-2 | N-Et-FOSA | N-Ethyl perfluorooctane sulfonamide | Oeko-Tex Banned |
| 24448-09-7 | N-Me-FOSE | N-Methyl perfluorooctane sulfonamide ethanol | Oeko-Tex Banned |
| 27619-97-2 et. al. | 1H,1H,2H,2H - PFOS | 1H,1H,2H,2H-Perfluorooctane sulfonic acid and salts | Oeko-Tex Banned |
| 31506-32-8 | N-Me-FOSA | N-Methyl perfluorooctane sulfonamide | Oeko-Tex Banned |
| Other | | | |
| 116-14-3 | TFE | Tetrafluoroethylene | bluesign Banned; IARC Group 2A; California Prop 65 Listed |
| 17527-29-6 | 6:2 FTA | 1H,1H,2H,2H-Perfluorooctyl acrylate | Oeko-Tex Banned |
| 17741-60-5 | 10:2 FTA | 1H,1H,2H,2H-Perfluorododecyl acrylate | Oeko-Tex Banned |
| 27905-45-9 | 8:2 FTA | 1H,1H,2H,2H-Perfluorodecyl acrylate | Oeko-Tex Banned |
| Glycols | | | |
| CAS Number | Abbreviation | Chemical Name | Restriction |
| 109-86-4 | EGME | 2-Methoxyethanol / Ethylene glycol monomethyl ether | bluesign Banned; California Proposition 65 Listed; REACH SVHC; REACH XVII Listed |
| 110-49-6 | | 2-Methoxyethylacetate / Ethylene glycol monomethyl ether acetate | bluesign Banned; California Proposition 65 Listed |
| 110-71-4 | EGDME | 1,2-Dimethoxyethane / Ethylene glycol dimethyl ether | bluesign Banned; REACH SVHC; REACH XVII Listed |
| 110-80-5 | | 2-Ethoxyethanol / Ethylene glycol monoethyl ether | bluesign Banned; California Proposition 65 Listed; REACH SVHC; REACH XVII Listed |
| 111-15-9 | | 2-Ethoxyethyl acetate / Ethylene glycol monoethyl ether acetate | bluesign Banned; California Proposition 65 Listed; REACH SVHC; REACH XVII Listed |
| 111-96-6 | | Bis(2-methoxyethyl)-ether | bluesign Banned; REACH SVHC; REACH XVII Listed |
| 112-49-2 | TEGDME | 1,2-bis(2-methoxyethoxy)ethane / Triethylene glycol dimethyl ether | bluesign Banned; REACH SVHC; REACH XVII Listed |
| 1589-47-5 | | 2-Methoxy-1-propanol | bluesign Banned; REACH XVII Listed |
| 70657-70-4 | | 2-Methoxypropylacetate | bluesign Banned; REACH XVII Listed |
| Halogenated Biphenyls, Terphenyls, Naphthalenes | | | |

CASCADE DESIGNS®

| CAS Number | Abbreviation | Chemical Name | Restriction |
|------------|--------------|------------------------------|--|
| 1336-36-3 | PCB | Polychlorinated biphenyls | bluesign Banned; California Proposition 65 Listed; IARC Group 1 |
| 59536-65-1 | PBB | Polybrominated biphenyls | bluesign Banned; California Proposition 65 Listed; REACH XVII Listed |
| 61788-33-8 | PCT | Polychlorinated terphenyls | bluesign Banned; REACH XVII Listed |
| Several | PBT | Polybrominated terphenyls | bluesign Banned |
| Several | PCN | Polychlorinated naphthalenes | bluesign Banned |
| Several | PBN | Polybrominated naphthalenes | bluesign Banned |

Halogenated Diarylalkanes

| CAS Number | Abbreviation | Chemical Name | Restriction |
|------------|--------------|---|------------------------------------|
| 76253-60-6 | | Monomethyl-tetrachloro-diphenyl methane / Ugilec 141 | bluesign Banned; REACH XVII Listed |
| 81161-70-8 | | Monomethyl-dichloro-diphenyl methane / Ugilec 121 / Ugilec 21 | bluesign Banned; REACH XVII Listed |
| 99688-47-8 | DBBT | Monomethyl-dibromo-diphenyl methane | bluesign Banned; REACH XVII Listed |

Isocyanates

| CAS Number | Abbreviation | Chemical Name | Restriction |
|-------------|--------------|---|---|
| 91-08-7 | 2,6-TDI | Toluene-2,6-diisocyanate | bluesign Banned |
| 101-68-8 | MDI | Diphenylmethane-4,4-diisocyanate | bluesign Banned; REACH XVII Listed |
| 584-84-9 | 2,4-TDI | Toluene-2,4-diisocyanate | bluesign Banned |
| 822-06-0 | HMDI | Hexamethylene diisocyanate | bluesign Banned |
| 2536-05-2 | 2,2-MDI | Diphenylmethane-2,2-diisocyanate | REACH XVII Listed |
| 2778-42-9 | TMXDI | Tetramethylxylene diisocyanate | bluesign Banned |
| 4098-71-9 | IPDI | Isophorone diisocyanate | bluesign Banned |
| 5873-54-1 | 2,4-MDI | Diphenylmethane-2,4-diisocyanate | REACH XVII Listed |
| 26447-40-05 | | MDI mixed isomers | REACH XVII Listed |
| 26471-62-5 | | 2,4-/2,6-TDI mixture / Toluene diisocyanate | California Proposition 65 Listed; IARC Group 2B |

Metals

| CAS Number | Abbreviation | Chemical Name | Restriction |
|------------|--------------|---------------|--|
| 7439-92-1 | Pb | Lead | REACH SVHC; California Proposition 65 Listed; bluesign Banned; Oeko-Tex Banned; REACH XVII Listed; IARC Group 2B |
| 7439-97-6 | Hg | Mercury | REACH XVII Listed; California Proposition 65 Listed; bluesign Banned; Oeko-Tex Banned |
| 7440-02-0 | Ni | Nickel | bluesign Banned; Oeko-Tex Banned; California Proposition 65 Listed; REACH XVII Listed; IARC Group 2B |
| 7440-36-0 | Sb | Antimony | bluesign Banned; Oeko-Tex Banned |
| 7440-38-2 | As | Arsenic | California Proposition 65 Listed; bluesign Banned; Oeko-Tex Banned; REACH XVII Listed; IARC Group 1 |

CASCADE DESIGNS®

| | | | |
|------------|--------|---------------------------------|---|
| 7440-41-7 | Be | Beryllium | California Proposition 65 Listed; REACH XVII Listed; IARC Group 1 |
| 7440-43-9 | Cd | Cadmium | REACH SVHC; California Proposition 65 Listed; bluesign Banned; Oeko-Tex Banned; REACH XVII Listed; IARC Group 1 |
| 7440-47-3 | Cr | Chromium | bluesign Banned; Oeko-Tex Banned |
| 7440-48-4 | Co | Cobalt | bluesign Banned; Oeko-Tex Banned; California Proposition 65 Listed; IARC Group 2B |
| 7440-50-8 | Cu | Copper | bluesign Banned; Oeko-Tex Banned |
| 18540-29-9 | Cr(VI) | Chromium (Hexavalent Compounds) | REACH Restricted; California Proposition 65 Listed; bluesign Banned; Oeko-Tex Banned; REACH XVII Listed; IARC Group 1 |

Organotin Compounds

| CAS Number | Abbreviation | Chemical Name | Restriction |
|------------|--------------|------------------|------------------------------------|
| 597-64-8 | TeET | Tetraethyltin | Oeko-Tex Banned |
| 668-34-8 | TPhT | Triphenyltin | Oeko-Tex Banned |
| 761-44-4 | TPT | Tripropyltin | Oeko-Tex Banned |
| 1002-53-5 | DBT | Dibutyltin | Oeko-Tex Banned |
| 1461-25-2 | TeBT | Tetrabutyltin | Oeko-Tex Banned |
| 1631-73-8 | TMT | Trimethyltin | Oeko-Tex Banned |
| 2406-68-0 | MPhT | Monophenyltin | Oeko-Tex Banned |
| 6056-50-4 | TCyT | Tricyclohexyltin | Oeko-Tex Banned |
| 15231-44-4 | DOT | Dioctyltin | Oeko-Tex Banned |
| 23120-99-2 | DMT | Dimethyltin | Oeko-Tex Banned |
| 56573-85-4 | TBT | Tributyltin | Oeko-Tex Banned; REACH XVII Listed |
| Several | MOT | Monooctyltin | Oeko-Tex Banned |
| - | TOT | Trioctyltin | Oeko-Tex Banned |
| - | MMT | Monomethyltin | Oeko-Tex Banned |

Ozone Depleting Substances

| CAS Number | Abbreviation | Chemical Name | Restriction |
|------------|--------------|--|--|
| Class I: | | | |
| 56-23-5 | CCl4 | Carbon tetrachloride | bluesign Banned; California Proposition 65 Listed; IARC Group 2B |
| 71-55-6 | | 1,1,1-Trichloroethane / Methylchloroform | bluesign Banned |
| 73-13-1 | CFC-113 | 1,1,2-Trichloro-1,2,2-trifluoroethane | bluesign Banned |
| 74-83-9 | CH3Br | Methylbromide | bluesign Banned; California Proposition 65 Listed |
| 74-97-5 | CH2BrCl | Chlorobromomethane | bluesign Banned |
| 75-63-8 | Halon-1301 | Bromotrifluoromethane | bluesign Banned |
| 75-69-4 | CFC-11 | Trichlorofluoromethane | bluesign Banned |
| 75-71-8 | CFC-12 | Dichlorofluoromethane | bluesign Banned |
| 75-72-9 | CFC-13 | Chlorotrifluoromethane | bluesign Banned |
| 75-82-1 | C2H2F2Br2 | 1,2-Dibromo-1,1-difluoroethane | bluesign Banned |
| 76-11-9 | CFC-112a | 1,1,1,2-Tetrachlorodifluoroethane | bluesign Banned |

CASCADE DESIGNS®

| | | | |
|-------------|------------|--|-----------------|
| 76-12-0 | CFC-112 | 1,1,2,2-Tetrachloro-1,2-difluoroethane | bluesign Banned |
| 76-14-2 | CFC-114 | 1,2-Dichloro-1,1,2,2-tetrafluoroethane | bluesign Banned |
| 76-15-3 | CFC-115 | Monochloropentafluoroethane | bluesign Banned |
| 76-17-5 | CFC-215 | 1,1,3-Trichloropentafluoropropane | bluesign Banned |
| 124-73-2 | Halon-2402 | Dibromotetrafluoroethane | bluesign Banned |
| 353-59-3 | Halon-1211 | Bromochlorodifluoromethane | bluesign Banned |
| 353-93-5 | C2HFBr4 | Tetrabromofluoroethane | bluesign Banned |
| 353-97-9 | C2HF2Br3 | Tetrabromodifluoroethane | bluesign Banned |
| 354-04-1 | C2HF3Br2 | Dibromotrifluoroethane | bluesign Banned |
| 354-07-4 | C2HF4Br | Bromotetrafluoroethane | bluesign Banned |
| 354-56-3 | CFC-111 | Pentachlorofluoroethane | bluesign Banned |
| 354-58-5 | CFC-113a | 1,1,1-Trichloro-2,2,2-trifluoroethane | bluesign Banned |
| 358-97-4 | C2H3FBr2 | Dibromofluoroethane | bluesign Banned |
| 359-07-9 | C2H3F2Br | Bromodifluoroethane | bluesign Banned |
| 373-52-4 | CH2FBr | Bromofluoromethane | bluesign Banned |
| 374-07-2 | CFC-114a | 1,1-Dichloro-1,2,2,2-tetrafluoroethane | bluesign Banned |
| 421-06-7 | C2H2F3Br | Bromotrifluoroethane | bluesign Banned |
| 422-78-6 | CFC-211 | Heptachlorofluoropropane | bluesign Banned |
| 422-86-6 | CFC-217 | Monochloroheptafluoropropane | bluesign Banned |
| 431-48-1 | C3H2F3Br3 | Tribromotrifluoropropane | bluesign Banned |
| 431-78-7 | C3HF5Br2 | Dibromopentafluoropropane | bluesign Banned |
| 453-00-9 | C3H5FBr2 | Dibromofluoropropane | bluesign Banned |
| 460-32-2 | C3H4F3Br | Bromotrifluoropropane | bluesign Banned |
| 460-60-6 | C3H3F3Br2 | Dibromotrifluoropropane | bluesign Banned |
| 460-67-3 | C3H3F4Br | Bromotetrafluoropropane | bluesign Banned |
| 460-86-6 | C3H2F4Br2 | Dibromotetrafluoropropane | bluesign Banned |
| 460-88-8 | C3H2F5Br | Bromopentafluoropropane | bluesign Banned |
| 461-49-4 | C3H5F2Br | Bromodifluoropropane | bluesign Banned |
| 661-97-2 | CFC-216 | Dichlorohexafluoropropane | bluesign Banned |
| 666-25-1 | C3H3F2Br3 | Tribromodifluoropropane | bluesign Banned |
| 666-48-8 | C3HF4Br3 | Tribromotetrafluoropropane | bluesign Banned |
| 762-49-2 | C2H4FBr | Bromofluoroethane | bluesign Banned |
| 1511-62-2 | CHF2Br | Bromodifluoromethane | bluesign Banned |
| 1599-41-3 | CFC-215 | 1,2,2-Trichloropentafluoropropane | bluesign Banned |
| 1652-81-9 | CFC-215 | 1,2,3-Trichloropentafluoropropane | bluesign Banned |
| 1868-53-7 | CHFBr2 | Dibromofluoromethane | bluesign Banned |
| 1871-72-3 | C3H6FBr | Bromofluoropropane | bluesign Banned |
| 2252-79-1 | C3HF6Br | Bromohexafluoropropane | bluesign Banned |
| 2354-06-5 | CFC-213 | Pentachlorotrifluoropropane | bluesign Banned |
| 3182-26-1 | CFC-212 | Hexachlorodifluoropropane | bluesign Banned |
| 4259-43-2 | CFC-215 | 1,1,1-Trichloropentafluoropropane | bluesign Banned |
| 29255-31-0 | CFC-214 | Tetrachlorotetrafluoropropane | bluesign Banned |
| 51584-25-9 | C3H4F2Br2 | Dibromodifluoropropane | bluesign Banned |
| 75372-14-4 | C3H4FBr3 | Tribromofluoropropane | bluesign Banned |
| 148875-98-3 | C3H2F2Br4 | Tetrabromodifluoropropane | bluesign Banned |
| 172912-75-3 | C2H2FBr3 | Tribromofluoroethane | bluesign Banned |
| - | C3HFBr6 | Hexabromofluoropropane | bluesign Banned |
| - | C3HF2Br5 | Pentabromodifluoropropane | bluesign Banned |
| - | C3H2FBr5 | Pentabromofluoropropane | bluesign Banned |
| - | C3H3FBr4 | Tetrabromofluoropropane | bluesign Banned |
| - | | C2HF3Br4 | bluesign Banned |
| Class II: | | | |
| 75-43-4 | HCFC-21 | Dichlorofluoromethane | bluesign Banned |
| 75-45-6 | HCFC-22 | Monochlorodifluoromethane | bluesign Banned |
| 75-68-3 | HCFC-142b | Monochlorodifluoroethane | bluesign Banned |

CASCADE DESIGNS®

| | | | |
|-------------|------------|------------------------------|-----------------|
| 75-88-7 | HCFC-133a | Monochlorotrifluoroethane | bluesign Banned |
| 306-83-2 | HCFC-123 | Dichlorotrifluoroethane | bluesign Banned |
| 354-14-3 | HCFC-121 | Tetrachlorofluoroethane | bluesign Banned |
| 354-21-2 | HCFC-122 | Trichlorodifluoroethane | bluesign Banned |
| 359-28-4 | HCFC-131 | Trichlorofluoroethane | bluesign Banned |
| 420-97-3 | HCFC-261 | Dichlorofluoropropane | bluesign Banned |
| 421-02-3 | HCFC-262 | Monochlorodifluoropropane | bluesign Banned |
| 421-41-0 | HCFC-251 | Trichloromonofluoropropane | bluesign Banned |
| 421-94-3 | HCFC-231 | Pentachlorofluoropropane | bluesign Banned |
| 422-26-4 | HCFC-221 | Hexachlorofluoropropane | bluesign Banned |
| 422-49-1 | HCFC-222 | Pentachlorodifluoropropane | bluesign Banned |
| 422-52-6 | HCFC-223 | Tetrachlorotrifluoropropane | bluesign Banned |
| 422-54-8 | HCFC-224 | Trichlorotetrafluoropropane | bluesign Banned |
| 422-56-0 | HCFC-225ca | Dichloropentafluoropropane | bluesign Banned |
| 425-94-5 | HCFC-234 | Dichlorotetrafluoropropane | bluesign Banned |
| 430-55-7 | HCFC-271 | Monochlorofluoropropane | bluesign Banned |
| 431-87-8 | HCFC-226 | Monochlorohexafluoropropane | bluesign Banned |
| 460-35-5 | HCFC-253 | Monochlorotrifluoropropane | bluesign Banned |
| 460-63-9 | HCFC-242 | Trichlorodifluoropropane | bluesign Banned |
| 460-69-5 | HCFC-243 | Dichlorotrifluoropropane | bluesign Banned |
| 460-89-9 | HCFC-232 | Tetrachlorodifluoropropane | bluesign Banned |
| 460-92-4 | HCFC-235 | Monochloropentafluoropropane | bluesign Banned |
| 507-55-1 | HCFC-225cb | Dichloropentafluoropropane | bluesign Banned |
| 593-70-4 | HCFC-31 | Monochlorofluoromethane | bluesign Banned |
| 666-27-3 | HCFC-241 | Tetrachlorofluoropropane | bluesign Banned |
| 819-00-1 | HCFC-252 | Dichlorodifluoropropane | bluesign Banned |
| 1649-08-7 | HCFC-132 | Dichlorodifluoroethane | bluesign Banned |
| 1717-00-6 | HCFC-141b | Dichlorofluoroethane | bluesign Banned |
| 2837-89-0 | HCFC-124 | Monochlorotetrafluoroethane | bluesign Banned |
| 7125-84-0 | HCFC-233 | Trichlorotrifluoropropane | bluesign Banned |
| 134190-50-4 | HCFC-244 | Monochlorotetrafluoropropane | bluesign Banned |
| - | HCFC-141 | Dichlorofluoroethane | bluesign Banned |
| - | HCFC-142 | Monochlorodifluoroethane | bluesign Banned |
| - | HCFC-151 | Chlorofluoroethane | bluesign Banned |
| - | HCFC-225 | Dichloropentafluoropropane | bluesign Banned |

Pesticides

| CAS Number | Abbreviation | Chemical Name | Restriction |
|------------|--------------|---|---|
| 50-29-3 | p,p'-DDT | p,p'-Dichlorodiphenyltrichloroethane, including isomers | bluesign Banned; Oeko-Tex Banned; California Proposition 65 Listed; IARC Group 2A |
| 53-19-0 | o,p'-DDD | o,p'-Dichlorodiphenyldichloroethane | bluesign Banned; Oeko-Tex Banned |
| 54-74-9 | | Chlordane | bluesign Banned; Oeko-Tex Banned |
| 56-38-2 | | Ethyl parathion / Parathion | bluesign Banned; Oeko-Tex Banned; California Proposition 65 Listed; IARC Group 2B |
| 56-72-4 | | Coumaphos | bluesign Banned; Oeko-Tex Banned |
| 58-89-9 | | Lindane | bluesign Banned; Oeko-Tex Banned; IARC Group 1 |
| 60-51-5 | | Dimethoate | bluesign Banned; Oeko-Tex Banned |

CASCADE DESIGNS®

| | | | |
|----------|----------|---|---|
| 60-57-1 | | Dieldrine / Dieldrin | bluesign Banned; Oeko-Tex Banned; California Proposition 65 Listed; IARC Group 2A |
| 63-25-2 | | Carbaryl | bluesign Banned; Oeko-Tex Banned; California Proposition 65 Listed |
| 72-20-8 | | Endrine | bluesign Banned; Oeko-Tex Banned; California Proposition 65 Listed |
| 72-43-5 | | Methoxychlor | bluesign Banned; Oeko-Tex Banned |
| 72-54-8 | p,p'-DDD | p,p'-Dichlorodiphenyldichloroethane | bluesign Banned; Oeko-Tex Banned; California Proposition 65 Listed |
| 72-55-9 | p,p'-DDE | p,p'-Dichlorodiphenyldichloroethylene | bluesign Banned; Oeko-Tex Banned; California Proposition 65 Listed |
| 72-56-0 | | Perthane | bluesign Banned; Oeko-Tex Banned |
| 76-44-8 | | Heptachlor | bluesign Banned; Oeko-Tex Banned; California Proposition 65 Listed; IARC Group 2B |
| 78-48-8 | DEF | S,S,S-Tributyl phosphorotrithionate / Tribufos | bluesign Banned; Oeko-Tex Banned; California Proposition 65 Listed |
| 86-50-0 | | Azinphos methyl | bluesign Banned; Oeko-Tex Banned |
| 88-85-7 | | Dinoseb and salts / 6-sec-butyl-2,4-dinitrophenol | bluesign Banned; Oeko-Tex Banned; California Proposition 65 Listed; REACH SVHC; REACH XVII Listed |
| 93-65-2 | | Mecoprop | bluesign Banned; Oeko-Tex Banned |
| 93-76-5 | 2,4,5-T | 2,4,5-Trichlorophenoxyacetic acid, salts and compounds | bluesign Banned; Oeko-Tex Banned |
| 94-74-6 | MCPA | 4-Chloro-2-methylphenoxyacetic acid | bluesign Banned; Oeko-Tex Banned |
| 94-75-7 | 2,4-D | 2,4-Dichlorophenoxyacetic acid, its salts and compounds | bluesign Banned; Oeko-Tex Banned; IARC Group 2B |
| 94-81-5 | MCPB | 4-(4-Chloro-2-methylphenoxy)butanoic acid | bluesign Banned; Oeko-Tex Banned |
| 116-06-3 | | Aldicarb | Oeko-Tex Banned |
| 118-74-1 | | Hexachlorobenzene | Oeko-Tex Banned; California Proposition 65 Listed; REACH XVII Listed |
| 120-36-5 | 2,4-DP | Dichloroprop | bluesign Banned; Oeko-Tex Banned |
| 121-75-5 | | Malathion | bluesign Banned; Oeko-Tex Banned; California Proposition 65 Listed; IARC Group 2A |
| 141-66-2 | | Dicrotophos | bluesign Banned; Oeko-Tex Banned |

CASCADE DESIGNS®

| | | | |
|-----------|----------|---|--|
| 143-50-0 | | Chlorodecone / Kepone | bluesign Banned; Oeko-Tex Banned; California Proposition 65 Listed; IARC Group 2B |
| 297-78-9 | | Telodrin | bluesign Banned; Oeko-Tex Banned |
| 298-00-0 | | Methyl parathion | bluesign Banned |
| 309-00-2 | | Aldrine / Aldrin | bluesign Banned; Oeko-Tex Banned; California Proposition 65 Listed; IARC Group 2A |
| 319-84-6 | | Hexachlorocyclohexane, alpha | Oeko-Tex Banned |
| 319-85-7 | | Hexachlorocyclohexane, beta | Oeko-Tex Banned |
| 319-86-8 | | Hexachlorocyclohexane, lamda | Oeko-Tex Banned |
| 333-41-5 | | Diazinon | bluesign Banned; Oeko-Tex Banned; IARC Group 2A |
| 465-73-6 | | Isodrin | bluesign Banned; Oeko-Tex Banned |
| 470-90-6 | | Chlorfenvinphos | bluesign Banned; Oeko-Tex Banned |
| 510-15-6 | | Chlorbenzilate / Ethyl-4,4'-dichlorobenzilate | Oeko-Tex Banned; California Proposition 65 Listed |
| 608-73-1 | HCH | Hexachlorocyclohexane, including isomers | bluesign Banned |
| 789-02-6 | o,p'-DDT | o,p'-Dichlorodiphenyltrichloroethane, including isomers | bluesign Banned; Oeko-Tex Banned; California Proposition 65 Listed |
| 959-98-8 | | Endosulfan, alpha | bluesign Banned; Oeko-Tex Banned |
| 1024-57-3 | | Heptachloroepoxide | bluesign Banned; Oeko-Tex Banned; California Proposition 65 Listed |
| 1582-09-8 | | Trifluralin | bluesign Banned; Oeko-Tex Banned |
| 2385-85-5 | | Mirex | bluesign Banned; Oeko-Tex Banned; California Proposition 65 Listed; IARC Group 2B |
| 2425-06-1 | | Captafol | bluesign Banned; Oeko-Tex Banned; California Proposition 65 Listed; REACH XVII Listed; IARC Group 2A |
| 2642-71-9 | | Azinphos ethyl | bluesign Banned; Oeko-Tex Banned |
| 3424-82-6 | o,p'-DDE | o,p'-Dichlorodiphenyldichloroethylene | bluesign Banned; Oeko-Tex Banned |
| 4234-79-1 | | Kelevane | bluesign Banned; Oeko-Tex Banned |
| 4824-78-6 | | Bromophos-ethyl | bluesign Banned; Oeko-Tex Banned |
| 6164-98-3 | | Chlordimeform | bluesign Banned; Oeko-Tex Banned; California Proposition 65 Listed |
| 6923-22-4 | | Monocrotophos | bluesign Banned; Oeko-Tex Banned |

CASCADE DESIGNS®

| | | | |
|----------------------------|--|---------------------------------------|---|
| 7786-34-7 | | Mevinophos / Phosdrin | bluesign Banned |
| 8001-35-2 | | Toxaphene / Polychlorinated camphenes | bluesign Banned; Oeko-Tex Banned; California Proposition 65 Listed; IARC Group 2B |
| 8001-50-1 | | Strobane | bluesign Banned; Oeko-Tex Banned |
| 10265-92-6 | | Methamidophos | bluesign Banned; Oeko-Tex Banned |
| 13593-03-8 | | Quinalphos | bluesign Banned; Oeko-Tex Banned |
| 31213-83-4 | | Propetamphos | bluesign Banned; Oeko-Tex Banned |
| 33213-65-9 | | Endosulfan, beta | bluesign Banned; Oeko-Tex Banned |
| 41198-08-7 | | Profenophos | bluesign Banned; Oeko-Tex Banned |
| 51630-58-1 | | Fenvalerate | bluesign Banned; Oeko-Tex Banned |
| 52315-07-8 | | Cypermethrin | bluesign Banned; Oeko-Tex Banned |
| 52913-63-5 | | Deltamethrin | bluesign Banned |
| 66230-04-4 | | Esfenvalerate | bluesign Banned; Oeko-Tex Banned |
| 68359-37-5 | | Cyfluthrin | bluesign Banned; Oeko-Tex Banned |
| 91465-08-6 | | Cyhalothrin-lambda | bluesign Banned; Oeko-Tex Banned |
| 105827-78-9 138261-41-3 | | Imidacloprid | bluesign Banned; Oeko-Tex Banned |
| 111988-49-9 | | Tiacloprid | bluesign Banned; Oeko-Tex Banned |
| 135410-20-7 160430-64-8 | | Acetamiprid | bluesign Banned; Oeko-Tex Banned |
| 150824-47-8 120738-89-8 | | Nitenpyram | bluesign Banned; Oeko-Tex Banned |
| 153719-23-4 | | Thiamethoxam | bluesign Banned; Oeko-Tex Banned |
| 210880-92-5 | | Clothianidin | bluesign Banned; Oeko-Tex Banned |

Plasticizers

| CAS Number | Abbreviation | Chemical Name | Restriction |
|------------|--------------|--|---|
| 84-61-7 | DCHP | Di-cyclohexyl phthalate | bluesign Banned; Oeko-Tex Banned; REACH SVHC; REACH XVII Listed |
| 84-66-2 | DEP | Diethyl phthalate | bluesign Banned; Oeko-Tex Banned |
| 84-69-5 | DIBP | Diisobutyl phthalate | REACH SVHC; bluesign Banned; Oeko-Tex Banned; REACH XVII Listed |
| 84-74-2 | DBP | Dibutyl phthalate / Di-n-butyl phthalate | REACH SVHC; REACH XVII Listed; California Proposition 65 Listed; bluesign Banned; Oeko-Tex Banned |

CASCADE DESIGNS®

| | | | |
|--------------------------|-----------|--|--|
| 84-75-3 | DnHP | Dihexyl phthalate / Di-n-hexyl phthalate | REACH SVHC; California Proposition 65 Listed; Oeko-Tex Banned; REACH XVII Listed |
| 84-76-4 | DNP | Dinonyl phthalate | bluesign Banned; Oeko-Tex Banned |
| 85-68-7 | BBP, BBzP | Benzyl butyl phthalate / n-butyl benzyl phthalate / butyl benzyl phthalate | REACH SVHC; REACH XVII Listed; California Proposition 65 Listed; bluesign Banned; Oeko-Tex Banned |
| 117-81-7 | DEHP, DOP | Di(2-ethylhexyl) phthalate / Bis(2-ethylhexyl) phthalate / Dioctyl phthalate / diethylhexyl phthalate | REACH SVHC; California Proposition 65 Listed; bluesign Banned; Oeko-Tex Banned; REACH XVII Listed; IARC Group 2B |
| 117-82-8 | DMEP | Bis(2-methoxyethyl) phthalate / 2-methoxyethyl phthalate | REACH SVHC; bluesign Banned; Oeko-Tex Banned; REACH XVII Listed |
| 117-84-0 | DNOP | Di-n-octyl phthalate | REACH XVII Listed; Oeko-Tex Banned |
| 131-11-3 | DMP | Dimethyl phthalate | bluesign Banned |
| 131-13-0 | DnPP | Di-n-pentyl phthalate | bluesign Banned |
| 131-16-8 | DPRP | Di-n-propyl phthalate | bluesign Banned; Oeko-Tex Banned |
| 131-18-0 84777-06-0 | DPP | Dipentyl phthalate / Di-n-pentyl phthalate / 1,2-Benzenedicarboxylic acid, dipentyl ester, branched and linear | REACH SVHC; Oeko-Tex Banned; bluesign Banned; REACH XVII Listed |
| 605-50-5 | DIPP | Diisopentyl phthalate | REACH SVHC; bluesign Banned; Oeko-Tex Banned; REACH XVII Listed |
| 26761-40-0 68515-49-1 | DIDP | Diisodecyl phthalate | REACH XVII Listed; California Proposition 65 Listed; bluesign Banned; Oeko-Tex Banned |
| 27554-26-3 | DIOP | Di-isooctyl phthalate | bluesign Banned; Oeko-Tex Banned |
| 28553-12-0 68515-48-0 | DINP | Diisononyl phthalate | REACH XVII Listed; California Proposition 65 Listed; bluesign Banned; Oeko-Tex Banned |
| 68515-42-4 | DHNUP | 1,2-Benzenedicarboxylic acid, di-C7-11-branched and linear alkyl esters, C7-rich | bluesign Banned; Oeko-Tex Banned; REACH SVHC; REACH XVII Listed |
| 68515-50-4 | | 1,2-Benzenedicarboxylic acid, dihexyl ester, branched and linear | bluesign Banned; Oeko-Tex Banned; REACH SVHC; REACH XVII Listed |
| 68515-51-5 | | 1,2-Benzenedicarboxylic acid, di-C6-10 alkyl esters | Oeko-Tex Banned |
| 68648-93-1 | | 1,2-Benzenedicarboxylic acid, mixed decyl and hexyl and octyl diesters | Oeko-Tex Banned |
| 71850-09-4 | | Di-isohexyl phthalate | Oeko-Tex Banned |
| 71888-89-6 | DIHP | 1,2-Benzenedicarboxylic acid, di-C6-8-branched alkyl esters, C7-rich | bluesign Banned; Oeko-Tex Banned; REACH SVHC; REACH XVII Listed |

CASCADE DESIGNS®

| 776297-69-9 | nPIPP | N-pentyl-isopentyl phthalate | REACH SVHC; bluesign Banned; Oeko-Tex Banned |
|--|--------------|-------------------------------------|--|
| Polyaromatic Hydrocarbons (PAH) | | | |
| CAS Number | Abbreviation | Chemical Name | Restriction |
| 50-32-8 | BaP | Benzo(a)pyrene / Benzo(def)chrysene | bluesign Banned; Oeko-Tex Banned; California Proposition 65 Listed; REACH SVHC; REACH XVII Listed; IARC Group 1 |
| 53-70-3 | DBaHA | Dibenzo(a,h)anthracene | bluesign Banned; Oeko-Tex Banned; California Proposition 65 Listed; REACH XVII Listed; IARC Group 2A |
| 56-55-3 1718-53-2 | BaA | Benzo(a)anthracene | bluesign Banned; Oeko-Tex Banned; California Proposition 65 Listed; REACH SVHC; REACH XVII Listed; IARC Group 2B |
| 83-32-9 | | Acenaphthene | bluesign Banned; Oeko-Tex Banned |
| 85-01-8 | | Phenantrene | bluesign Banned; Oeko-Tex Banned |
| 86-73-7 | | Fluorene | bluesign Banned; Oeko-Tex Banned |
| 91-20-3 | | Naphthalene | bluesign Banned; Oeko-Tex Banned; California Proposition 65 Listed; IARC Group 2B |
| 120-12-7 | | Anthracene | bluesign Banned; Oeko-Tex Banned; REACH SVHC |
| 129-00-0 | | Pyrene | bluesign Banned; Oeko-Tex Banned |
| 189-55-9 | | Dibenzo(a,i)pyrene | Oeko-Tex Banned; California Proposition 65 Listed; I |
| 189-64-0 | | Dibenzo(a,h)pyrene | Oeko-Tex Banned; California Proposition 65 Listed; IARC Group 2B |
| 191-24-2 | | Benzo(ghi)perylene | bluesign Banned; Oeko-Tex Banned; REACH SVHC |
| 191-30-0 | | Dibenzo(a,l)pyrene | Oeko-Tex Banned; California Proposition 65 Listed; IARC Group 2A |
| 192-65-4 | | Dibenzo(a,e)pyrene | Oeko-Tex Banned; California Proposition 65 Listed |
| 192-97-2 | BeP | Benzo(e)pyrene | bluesign Banned; Oeko-Tex Banned; REACH XVII Listed |
| 193-39-5 | | Indeno(1,2,3-cd)pyrene | bluesign Banned; Oeko-Tex Banned; California Proposition 65 Listed; IARC Group 2B |
| 205-82-3 | BjFA | Benzo(j)fluoranthene | bluesign Banned; Oeko-Tex Banned; California Proposition 65 Listed; |

CASCADE DESIGNS®

| | | | |
|-----------------------|------|-----------------------|--|
| | | | REACH XVII Listed; IARC Group 2B |
| 205-99-2 | BbFA | Benzo(b)fluoranthene | bluesign Banned; Oeko-Tex Banned; California Proposition 65 Listed; REACH XVII Listed; IARC Group 2B |
| 206-44-0 | | Fluoranthene | bluesign Banned; Oeko-Tex Banned |
| 207-08-9 | BkFA | Benzo(k)fluoranthene | bluesign Banned; Oeko-Tex Banned; California Proposition 65 Listed; REACH XVII Listed; IARC Group 2B |
| 208-96-8 | | Acenaphthylene | bluesign Banned; Oeko-Tex Banned |
| 218-01-9 1719-03-5 | CHR | Chrysene / Chrysen | bluesign Banned; Oeko-Tex Banned; California Proposition 65 Listed; REACH SVHC; REACH XVII Listed; IARC Group 2B |
| 2381-21-7 | | 1-Methylpyrene | Oeko-Tex Banned |
| 27208-37-3 | | Cyclopenta(c,d)pyrene | Oeko-Tex Banned; California Proposition 65 Listed; IARC Group 2A |

Solvents

| CAS Number | Abbreviation | Chemical Name | Restriction |
|------------|--------------|--|--|
| 68-12-2 | DMF | N,N-Dimethylformamide | bluesign Banned; Oeko-Tex Banned; California Proposition 65 Listed; REACH SVHC; REACH XVII Listed; IARC Group 2A |
| 71-43-2 | | Benzene | bluesign Banned; California Proposition 65 Listed; REACH XVII Listed; IARC Group 1 |
| 75-06-2 | | Dichloromethane | bluesign Banned |
| 75-12-7 | | Formamide | Oeko-Tex Banned; REACH SVHC; REACH XVII Listed |
| 79-01-6 | | Trichloroethylene | bluesign Banned; California Proposition 65 Listed; REACH SVHC; REACH XVII Listed; IARC Group 1 |
| 107-06-2 | | 1,2-Dichloroethane / Ethylene dichloride | bluesign Banned; California Proposition 65 Listed; REACH SVHC; REACH XVII Listed; IARC Group 2B |
| 108-88-3 | | Toluene ⁺ | bluesign Banned; Oeko-Tex Banned; California Proposition 65 Listed; REACH XVII Listed |
| 127-18-4 | | Tetrachloroethylene / Perchloroethylene | bluesign Banned; California Proposition 65 Listed |
| 127-19-5 | DMAC | N,N-Dimethylacetamide | bluesign Banned; Oeko-Tex Banned; California Proposition 65 Listed; |

CASCADE DESIGNS®

| | | | REACH SVHC; REACH XVII Listed |
|-----------------------|--------------|---|---|
| 872-50-4 | NMP | N-Methylpyrrolidone / 1-Methyl-2-pyrrolidone | bluesign Banned; Oeko-Tex Banned; California Proposition 65 Listed; REACH SVHC; REACH XVII Listed |
| 2687-91-4 | NEP | N-Ethyl-2-pyrrolidone | bluesign Banned; REACH XVII Listed |
| UV Stabilizers | | | |
| CAS Number | Abbreviation | Chemical Name | Restriction |
| 3846-71-7 | UV-320 | 2-Benzotriazol-2-yl-4,6-di-tert-butylphenol | bluesign Banned; Oeko-Tex Banned; REACH SVHC |
| 3864-99-1 | UV-327 | 2,4-Di-tert-butyl-6-(5-chlorobenzotriazol-2-yl)phenol | bluesign Banned; Oeko-Tex Banned; REACH SVHC |
| 25973-55-1 | UV-328 | 2-(2H-Benzotriazol-2-yl)-4,6-bis(1,1-dimethylpropyl)phenol | bluesign Banned; Oeko-Tex Banned; REACH SVHC |
| 36437-37-3 | UV-350 | 2-(2H-Benzotriazol-2-yl)-4-(tert-butyl)-6-(sec-butyl)phenol | bluesign Banned; Oeko-Tex Banned; REACH SVHC |
| Other | | | |
| CAS Number | Abbreviation | Chemical Name | Restriction |
| 62-53-3 | | Aniline | bluesign Banned; Oeko-Tex Banned; California Proposition 65 Listed |
| 62-56-6 | | Thiourea | California Proposition 65 Listed |
| 75-12-7 | | Formamide | bluesign Banned |
| 75-21-8 | | Ethylene oxide | California Proposition 65 Listed; REACH XVII Listed; IARC Group 1 |
| 79-06-1 | | Acrylamide | bluesign Banned; California Proposition 65 Listed; REACH SVHC; REACH Annex XVII; IARC Group 2A |
| 80-05-7 | BPA | Bisphenol A / 4,4'-isopropylidenediphenol | California Proposition 65 Listed; Oeko-Tex Banned; REACH SVHC; REACH Annex XVII |
| 90-43-7 | | o-Phenylphenol | bluesign Banned; Oeko-Tex Banned; California Proposition 65 Listed |
| 91-22-5 | | Quinoline | bluesign Banned; Oeko-Tex Banned; REACH XVII Listed; IARC Group 2B |
| 95-47-6 | | o-Xylene | bluesign Banned |
| 95-48-7 | | o-Cresol | bluesign Banned |
| 98-86-2 | | Acetophenone | bluesign Banned |
| 106-42-3 | | p-Xylene | bluesign Banned |
| 106-44-5 | | p-Cresol | bluesign Banned |
| 107-15-3 | | Ethylenediamine | REACH SVHC |
| 108-38-3 | | m-Xylene | bluesign Banned |
| 108-39-4 | | m-Cresol | bluesign Banned |
| 108-95-2 | | Phenol | bluesign Banned; Oeko-Tex Banned |
| 123-91-1 | | 1,4-Dioxane | California Proposition 65 Listed; IARC Group 2B |

CASCADE DESIGNS®

| | | | |
|-----------|------|---|--|
| 149-30-4 | | Mercaptobenzothiazole / 2-Mercaptobenzothiazole | California Proposition 65 Listed; IARC Group 2A |
| 617-94-7 | | 2-Phenyl-2-propanol | bluesign Banned |
| 624-49-7 | DMFu | Dimethylfumarate | bluesign Banned; Oeko-Tex Banned; REACH Annex XVII |
| 1319-77-3 | | Cresol, all isomers | bluesign Banned |
| 1330-20-7 | | Xylene, all isomers | bluesign Banned |

^ Must be less than 200ppm via AATCC 112.2008

* Ban on long-chain compounds in manufacturing based on long-chain electrofluorination chemistry (C6 and higher)

** Phase-out of long-chain compounds in manufacturing based on long-chain telomere chemistry (C8 and higher) until end of 2014

+Must be less than 10ppm via Headspace GC-MS analysis

RESTRICTED SUBSTANCES LIST – PLATYPUS WATER CONTACT PRODUCTS

PLASTICISERS AND OTHER CONTAMINANTS

JUNE, 2016

INTRODUCTION:

This Restricted Substances List (RSL) was created to provide Cascade Designs suppliers, manufacturers, vendors, and customers with information related to regulations and laws that restrict or ban certain chemicals and substances that are commonly used in water contact products. The chemicals listed below **MAY NOT BE USED** in any concentration on textile materials that are to be used in Cascade Designs water contact products. This RSL does not include regulations that restrict the use of chemicals in the production process, but rather restricts the chemicals that can be found on the finished good. This document will not address regulations on non-water contact materials included in the product.

In addition to adherence to this document, Cascade Designs, Inc. is requesting that an up-to-date Material Safety Data Sheet (MSDS) will be submitted for our records for any water contact material.

LIST STRUCTURE:

For each chemical called out on this RSL, the following information will be provided:

1. CAS Number
2. Common Chemical Name
3. Information on the Restriction/Limit on Final Product

RESTRICTED SUBSTANCES LIST:

| Phthalates | | | |
|------------------------|--------------|--|---|
| CAS Number | Abbreviation | Chemical Name | Restriction |
| 84-66-2 | DEP | Diethyl phthalate | Suspected neurotoxin and reproductive organ damage, bluesign Banned |
| 84-74-2 | DBP | Dibutyl phthalate, Di-n-butyl phthalate | REACH SVHC, REACH Restricted, California Proposition 65 Listed |
| 85-68-7 | BBP, BBzP | Benzyl butyl phthalate, n-butyl benzyl phthalate, butyl benzyl phthalate | REACH SVHC, REACH Restricted, California Proposition 65 Listed |
| 117-81-7 | DEHP, DOP | Di(2-ethylhexyl) phthalate, Bis(2-ethylhexyl) phthalate, Dioctyl phthalate, diethylhexyl phthalate | REACH SVHC, REACH Restricted, California Proposition 65 Listed |
| 117-84-0 | DNOP | Di-n-octyl phthalate | REACH Restricted |
| 131-11-3 | DMP | Dimethyl phthalate | |
| 26761-40-0, 68515-49-1 | DIDP | Diisodecyl phthalate | REACH Restricted, California Proposition 65 Listed |
| 28553-12-0, 68515-48-0 | DINP | Diisononyl phthalate | REACH Restricted, California Proposition 65 Listed |
| 84-69-5 | DIBP | Diisobutyl phthalate | REACH SVHC |
| 84-75-3 | DHP | Dihexyl phthalate, Di-n-hexyl phthalate | REACH SVHC, California Proposition 65 Listed |

CASCADE DESIGNS®

| | | | |
|------------------------------|--------------|---|--|
| 117-82-8 | DMEP | Bis(2-methoxyethyl) phthalate, 2-methoxyethyl phthalate | REACH SVHC |
| 131-18-0, 84777-06-0 | DPP | Dipentyl phthalate, Di-n-pentyl phthalate | REACH SVHC |
| 605-50-5 | DIPP | Diisopentyl phthalate | REACH SVHC |
| 776297-69-9 | | N-pentyl-isopentyl phthalate | REACH SVHC |
| Bisphenols | | | |
| CAS Number | Abbreviation | Chemical Name | Restriction |
| 80-50-7 | BPA | Bisphenol-A | California Proposition 65 Listed |
| 80-09-1 | BPS | Bisphenol-S | |
| Heavy Metals | | | |
| CAS Number | Abbreviation | Chemical Name | Restriction |
| 7439-92-1 | Pb | Lead | REACH Restricted, California Proposition 65 Listed |
| Numerous | | Lead Compounds | REACH Restricted, California Proposition 65 Listed |
| 7440-43-9 | Cd | Cadmium | REACH SVHC, California Proposition 65 Listed |
| Numerous | | Cadmium Compounds | REACH Restricted, California Proposition 65 Listed |
| 7440-38-2 | As | Arsenic | California Proposition 65 Listed |
| Numerous | | Arsenic Compounds | REACH Restricted, California Proposition 65 Listed |
| 7439-97-6 | Hg | Mercury | REACH Restricted, California Proposition 65 Listed |
| Numerous | | Mercury Compounds | REACH Restricted, California Proposition 65 Listed |
| 7440-02-0 | Ni | Nickel | REACH Restricted, California Proposition 65 Listed |
| Numerous | | Nickel Compounds | REACH Restricted, California Proposition 65 Listed |
| Numerous | Cr(VI) | Chromium (Hexavalent Compounds) | REACH Restricted, California Proposition 65 Listed |
| | | | |