

## Adi-pure® Free Flo Adipic Acid: Information Sheet

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### **Adi-pure® Free Flo Adipic Acid Conflict Minerals Statement:**

Based on our knowledge we advise you that INVISTA does not intentionally include the chemicals identified in your inquiry (see list below) in the manufacture of Adi-pure® Free Flo Adipic Acid.

Gold  
Tin  
Tungsten  
Tantalum  
Cassiterite  
Wolframite  
Columbite-tantalite

Please note, however, that INVISTA does not analyze Adi-pure® Free Flo Adipic Acid for the chemicals identified in your inquiry.

### **Adi-pure® Free Flo Adipic Acid Inventory Status:**

Adi-pure® Free Flo Adipic Acid is present on the following inventories:

Australia (AICS)  
Canada (DSL)  
China (IECSC)  
European Union (EINECS)  
Japan (ENCS)  
Japan (ISHL)  
Korea (KECI)  
New Zealand  
Philippines (PICCS)  
United States (TSCA) (Active)  
Taiwan (TCSI)

### **Adi-pure® Free Flo Adipic Acid Restricted Substances:**

Based on our knowledge we advise you that INVISTA's Adi-pure® Free Flo Adipic Acid does not intentionally contain any of the substances identified in the list below. Please note that copper is used in the production of Adi-pure® Free Flo Adipic Acid.

Please note, however, that INVISTA does not analyze Adi-pure® Free Flo Adipic Acid for the chemicals identified below on a routine basis.

Aluminum (Al) and its compounds  
Antimony (Sb) and its compounds  
Arsenic (As) and its compounds  
Barium (Ba) and its compounds  
Beryllium (Be) and its compounds  
Boron (B) and its compounds  
Cadmium (Cd) and its compounds  
Cobalt (Co) and its compounds  
Copper (Cu) and its compounds

Chromium (Cr) and its compounds  
Lead (Pb) and its compounds  
Manganese (Mn) and its compounds  
Mercury (Hg) and its compounds  
Nickel (Ni) and its compounds  
Selenium (Se) and its compounds  
Silver (Ag) and its compounds  
Strontium (Sr) and its compounds  
Thallium (Tl) and its compounds  
Tin (Sn) and its compounds  
Zinc (Zn) and its compounds  
Polyaromatic hydrocarbons:  
Naphthalene  
Acenaphthylene  
Acenaphthene  
Fluorene  
Phenanthrene  
Anthracene  
Fluoranthene  
Pyrene  
Benzo(a)anthracene  
Chrysene  
Benzo(b)fluoranthene  
Benzo(k)fluoranthene  
Benzo(a)pyrene  
Indeno(1,2,3-cd)pyrene  
Dibenzo(a,h)anthracene  
Benzo(g,hi)perylene

Polychlorinated biphenyls (PCB):

1,1'-Biphenyl, 2,4',5'-trichloro- (CAS nr 16606-02-3)  
1,1'-Biphenyl, 2,3,3',4'-tetrabromo- (CAS nr 40088-45-7)  
1,1'-Biphenyl, 2,2',4,4',5,5'-hexabromo- (CAS nr 59080-40-9)  
2,2',4,4'-Tetrachlorobiphenyl (CAS nr 2437-79-8)  
2,3',4,4',5,5'-HEXACHLOROBIPHENYL (CAS nr 52663-72-6)  
2,4,5,2',4',5'-Hexachlorobiphenyl (CAS nr 35065-27-1)  
3,3',4,4'-TETRACHLOROBIPHENYL (CAS nr 32598-13-3)  
3,4,5,3',4',5'-Hexachlorobiphenyl (CAS nr 32774-16-6)  
Aroclor 1016 (CAS nr 12674-11-2)  
Aroclor 1221 (CAS nr 11104-28-2)  
Aroclor 1232 (CAS nr 11141-16-5)  
Aroclor 1242 (CAS nr 53469-21-9)  
Aroclor 1248 (CAS nr 12672-29-6)  
AROCLOR 1254 (CAS nr 11097-69-1)  
Aroclor 1260 (CAS nr 11096-82-5)  
Heptachloro-1,1'-biphenyl (CAS nr 28655-71-2)  
Nonachloro-1,1'-biphenyl (CAS nr 53742-07-7)  
pentachloro[1,1'-biphenyl] (CAS nr 25429-29-2)  
Polychlorinated biphenyls (CAS nr 1336-36-3)  
Tetrachloro(tetrachlorophenyl)benzene (CAS nr 31472-83-0)  
Polychlorinated naphthalenes (PCN):  
Naphthalene, chloro derivatives (CAS nr 70776-03-3)  
Naphthalene, trichloro- (CAS nr 1321-65-9)  
Pentachloronaphthalene (CAS nr 1321-64-8)  
Polychlorinated naphthalene (CAS nr 38289-27-9)  
Polychlorinated terphenyls (PCT):

Terphenyl, chlorinated (CAS nr 61788-33-8)

Short-chain chlorinated paraffins of 10 to 13 carbon atoms (SCCP) etc.

Other organochlorine compounds

Polybrominated biphenyls (PBB) etc.

Decabromodiphenyl ether (DecaBDE) including polybrominated diphenyl ethers (PBDE) etc.

Other organic bromine compounds

Bis (tributyltin) oxide (TBTO)

Trisubstituted organotin compounds: excluding TBTO

Dibutyltin (DBT) compounds

Diocetyl tin (DOT) compounds

Asbestos compounds ( Actinolite,Amosite,Anthrophyllite,Chrysolite, Crocidolite,Termolite)

Carcinogenic amines formed from azo-dyes:

2,4,5-Trimethylaniline (CAS nr 137-17-7)

2-Naphthylamine (CAS nr 91-59-8)

3,3'-Dichlorbenzidine (CAS nr 91-94-1)

3,3'-Dimethoxybenzidine (CAS nr 119-90-4)

3,3'-Dimethylbenzidine (CAS nr 119-93-7)

4,4'-Methylene-bis-(2-chloroaniline) (CAS nr 101-14-4)

4,4'-Methylenedianiline (CAS nr 101-77-9)

4,4'-Methylenedi-o-toluidine (CAS nr 838-88-0)

4,4'-Oxydianiline (CAS nr 101-80-4)

4,4'-Thiodianiline (CAS nr 139-65-1)

4-Aminodiphenyl (CAS nr 92-67-1)

4-Chloraniline (CAS nr 106-47-8)

4-Chloro-o-toluidine (CAS nr 95-69-2)

4-Methoxy-m-phenylenediamine (CAS nr 615-05-4)

4-Methyl-m-phenylenediamine (CAS nr 95-80-7)

5-Nitro-o-toluidine (CAS nr 99-55-8)

Benzidine (CAS nr 92-87-5)

o-Aminoazotoluene (CAS nr 97-56-3)

o-Anisidine (CAS nr 90-04-0)

o-Toluidine (CAS nr 95-53-4)

p-Cresidine (CAS nr 120-71-8)

4-Aminoazobenzol (CAS nr 60-09-3)

Phthalates:

"Benzyl butyl phthalate (BBP)

(1,2-Benzenedicarboxylic acid, 1-butyl 2-(phenylmethyl) ester) (CAS nr 85-68-7)"

"Bis(2-methoxyethyl) phthalate

(1,2-Benzenedicarboxylic acid, 1,2-bis(2-methoxyethyl) ester) (CAS nr 117-82-8)"

"Di(2-ethylhexyl)phthalate (DEHP)

(1,2-Benzenedicarboxylic acid, 1,2-bis(2-ethylhexyl) ester) (CAS nr 117-81-7)"

"Dibutylphthalate (DBP)

(1,2-Benzenedicarboxylic acid, 1,2-dibutyl ester) (CAS nr 84-74-2)"

"Diisobutylphthalate (DiBP)

(1,2-Benzenedicarboxylic acid, 1,2-bis(2-methylpropyl) ester ) (CAS nr 84-69-5)"

"Diisopentylphthalate (DIPP)

(1,2- Benzenedicarboxylic acid, 1,2-bis(3-methylbutyl) ester) (CAS nr 605-50-5)"

"Heptyl undecyl phthalate

(1,2-Benzenedicarboxylic acid di-C7-11-branched and linear alkyl-esters) (CAS nr 68515-42-4)"

(1,2-Benzenedicarboxylic acid, diundecyl ester) (CAS nr 3648-20-2)

1,2-Benzenedicarboxylic acid; di-C6-8-branched alkylesters, C7-rich (CAS nr 71888-89-6)

(1,2-Benzenedicarboxylic acid, diheptyl ester, branched and linear) (CAS nr 68515-44-6)

(1,2-Benzenedicarboxylic acid, dinonyl ester, branched and linear) (CAS nr 68515-45-7)

(1,2-Benzenedicarboxylic acid, heptyl nonyl ester, branched and linear) (CAS nr 111381-89-6)

(1,2-Benzenedicarboxylic acid, heptyl undecyl ester, branched and linear) (CAS nr 111381-90-9)  
 (1,2-Benzenedicarboxylic acid, nonyl undecyl ester, branched and linear) (CAS nr 111381-91-0)  
 "Dipentylphthalate  
 (1,2-Benzenedicarboxylic acid, 1,2-dipentyl ester) (CAS nr 131-18-0)"  
 Di-isononyl phthalate (CAS nr 8553-12-0)  
 Di-isodecyl phthalate (CAS nr 26761-40-0)  
 Di-n-octylphthalate (CAS nr 117-84-0)  
 Di-isononylphthalate (CAS nr 68515-48-0)  
 Diethyl phthalate  
 BADGE (2,2-bis(4-hydroxyphenyl)propane bis(2,3-epoxypropyl) ether, CAS 1675-54-3)  
 BFDGE (bis(hydroxyphenyl)methane bis(2,3-epoxypropyl)ethers, CAS 039817-09-9)  
 NOGE (novolac glycidyl ethers)

Triphenylphosphate (CAS 115-86-6)  
 Formaldehyde  
 Oxalic acid  
 Polyvinyl chloride (PVC) and PVC mixture  
 Fluorinated greenhouse gases (PFC, HFC, SF6) etc.  
 Ozone Depleting Substances: A Montreal Protocol Annex, B, C, substances according to E  
 Perfluorooctane sulfonate (PFOS) and its salts, and perfluorooctane sulfonate fluoride (PFOSF)  
 Perfluorooctanoic acid (PFOA)  
 Specific benzotriazole (target: CASNo.3846-71-7)  
 Cobalt chloride  
 Dimethyl fumarate (DMF)  
 Radioactive material  
 Perchlorate  
 Phosphoric acid tris (2 - chloroethyl)  
 Methyl bromide  
 Brominated flame retardants (s PBB, etc. PBDE, except HBCDD) and  
 Diarsenic pentoxide  
 Arsenic trioxide  
 Triethyl arsenate  
 Hexabromocyclododecane (HBCDD) and all major diastereoisomers  
 Diisobutyl phthalate (DIBP)  
 Aluminosilicates, refractory ceramic fibers  
 Aluminum zirconium silicate, refractory ceramic fibers  
 Boric acid  
 Disodium tetraborate anhydrous  
 Sodium boron oxide hydrate four seven (hydrated sodium tetraborate).  
 [4 - {bis (4 - dimethylaminophenyl) methylene} -2,5 - cyclohexadien-1 - ylidene] dimethylammonium chloride (CI BASIC  
 VIOLET 3 aliases)  
 Pesticides  
 Disperse dyes and dyestuff  
 Methylphenol  
 Alkyphenols ( AP=NP,OP)  
 Alkylphenoethoxylate(APEO=NPEO)  
 Short chained chloroparaffines C-10-C13  
 Medium chained chloroparaffines C14-C17  
 Carcinogenic dyes  
 Benzene  
 Phenol  
 Tetrachloroethane  
 Toluene  
 Xylene  
 Trichloroethylene  
 5-tert-butyl-2,4,6-trinitro-m-xylene  
 2,4-Dinitro toluene

Ozone depleting substances  
Blue Colourants  
Dioxins& furans  
Sperm whale oil  
Dichloro Diphenyl Trichloroethane(DDT)  
Glyoxal  
Titanium Dioxide  
Halogenated solvents  
Halogenated Dioxins or Dibenzofurans  
Aromatic solvents  
Epichlorohydrin  
Benzidine  
N-methyl pyrrolinone (NMP)  
Perchlorate  
1,3-Butadiene  
Vinyl acetate  
Ethyl acrylate  
Styrene  
Hexachloroethane  
1,4-Dioxane  
Acrylamide  
Dichlorvos  
Toluene-2,4-diisocyanate  
4,4 Methylene dianiline  
4,4-Methylenebis(2-chloroaniline)  
Di-n-butyl phthalate  
Benzophenone  
4,4-Bisphenol A  
Isocyanates  
Natural Rubber Latex (NRL)  
Butylated Hydroxy Toluene (BHT)

Polybrominated Flame Retardants  
Arylamines  
Organochlorinated Compounds  
Polycyclic Aromatic Hydrocarbons  
Octamethylcyclotetrasiloxane  
Dyes/colorants listed in ZDHC (Zero Discharge of Hazardous Chemicals Programme)  
([http://ir.lining.com/eng/csr/csr\\_reports/mrsl20140605.pdf](http://ir.lining.com/eng/csr/csr_reports/mrsl20140605.pdf))

Inditex Standards  
([http://www.inditex.com/sustainability/product/health\\_quality\\_standards](http://www.inditex.com/sustainability/product/health_quality_standards))  
Oeko-tex  
([https://www.oeko-tex.com/en/manufacturers/test\\_criteria/limit\\_values/limit\\_values.html](https://www.oeko-tex.com/en/manufacturers/test_criteria/limit_values/limit_values.html))  
GOTS Approved (Global Organic Textile Standard)  
(<http://www.global-standard.org/certification.html>)

**Adi-pure® Free Flo Adipic Acid RoHS Statement:**

This note concerns compliance with European Directive 2015/863/EU as amended (RoHS Directive). This directive places restrictions on the maximum concentration of lead, mercury, cadmium, hexavalent chromium, polybrominated biphenyls (PBB), polybrominated diphenylethers (PBDE), Bis(2-Ethylhexyl) phthalate (DEHP), Benzyl butyl phthalate (BBP), Dibutyl phthalate (DBP) and Diisobutyl phthalate (DIBP) in electrical and electronic equipment.

Link: [http://ec.europa.eu/environment/waste/rohs\\_eee/legis\\_en.htm](http://ec.europa.eu/environment/waste/rohs_eee/legis_en.htm)

Cadmium (Cd)  
Mercury

Lead (Pb)  
Hexavalent chromium (Cr6+)  
Polybrominated biphenyls (PBB)  
Polybrominated diphenyl ethers (PBDE)  
Bis(2-Ethylhexyl) phthalate (DEHP)  
Benzyl butyl phthalate (BBP)  
Dibutyl phthalate (DBP)  
Diisobutyl phthalate (DIBP)

We advise you that INVISTA does not include as an intentional additive or ingredient in *Adi-pure*<sup>®</sup> Free Flo Adipic Acid the chemicals identified above the levels indicated in the RoHS Directive.

**Adi-pure<sup>®</sup> Free Flo Adipic Acid SVHC Statement:**

Based on our knowledge, we advise you, that *Adi-pure*<sup>®</sup> Free Flo Adipic Acid is not listed as a SVHC substance on the EU Candidate List of Substances of Very High Concern (as updated on 10 June 2022 <http://echa.europa.eu/candidate-list-table>). INVISTA does not include as an intentional additive or ingredient any SVHC substances in the manufacture of *Adi-pure*<sup>®</sup> Free Flo Adipic Acid.

Please note however, that INVISTA does not analyze *Adi-pure*<sup>®</sup> Free Flo Adipic Acid for SVHC substances on a routine basis.

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