

## DYTEK® HMD: Information Sheet

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### **DYTEK® HMD 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 DYTEK® HMD.

Gold  
Tin  
Tungsten  
Tantalum  
Cassiterite  
Wolframite  
Columbite-tantalite

Please note, however, that INVISTA does not analyze DYTEK® HMD for the chemicals identified in your inquiry.

### **DYTEK® HMD Global Inventory Status:**

Be advised that DYTEK® HMD is present on the following global inventories:

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

### **DYTEK® HMD ISO Certificate:**

DYTEK® HMD ISO Certificate is available upon request.

### **DYTEK® HMD Restricted Substances:**

DYTEK® HMD is an industrial use chemical. Based on our knowledge, we advise you that INVISTA does not include as an intentional additive or ingredient the materials identified in your inquiry (see below list) in the manufacture of DYTEK® HMD.

Antimony and antimony compounds  
Arsenic and arsenic compounds  
Beryllium and cadmium compounds  
Bismuth and bismuth compounds  
Cadmium and cadmium compounds  
Cobalt and cobalt compounds  
Gold (Au)  
Hexavalent chromium compounds  
Lead and lead compounds  
Mercury and mercury compounds  
Nickel compounds (Except for metallic nickel)  
Selenium and selenium compounds  
Tantalum (Ta)  
Tin (Sn) and specified organic tin compounds (TBTO, TBT, TPT)  
Dibutyltin (DBT) compounds  
Dioctyltin (DOT) compounds  
Tungsten (W)

Polybrominated biphenyls (PBB)  
Polybrominated diphenylethers (PBDE)  
Brominated flame retardants (other than PBBs, PBDEs)  
Hexabromocyclododecane and all major diastereoisomers identified  
Polychlorinated biphenyls (PCB), Polychlorinated terphenyls (PCT)  
Short-chain chlorinated paraffins (SCCP)  
Polychlorinated naphthalenes (PCN) ( $Cl \geq 3$ )  
Polyvinyl chloride (PVC)

Formaldehyde  
Asbestos  
Ozone depleting substances (ODS)  
Radioactive material  
Fluorinated greenhouse gases (HFC, PFC, SF<sub>6</sub>)  
Perfluorooctane sulfonates (PFOS)

Phthalates (phthalic esters)  
Dimethyl fumarate (DMF)  
Anthracene  
Hexachlorobenzene  
2-(3',5'-Di-tert-butyl-2'-hydroxyphenyl) benzotriazole  
Potassium titanium oxide (K<sub>2</sub>Ti<sub>6</sub>O<sub>13</sub>)  
hydrocarbons (PAH)  
Timiperone (DTTB)  
Hexachloroethane  
Tris (2,3-dibromopropyl) phosphate (TDBPP)  
Tris (1-aziridinyl) phosphine oxide (APO)  
TCEP - Tris (2-chloroethyl) phosphate; Tris (β-chloroethyl) phosphate; Tris (1-chloroethyl) phosphate  
TDCPP - 2-Propanol, 1,3-dichloro-, phosphate (3:1); Tris (1,3-Dichloro-2-propyl) phosphate; 1,3-Dichloro-2-propano phosphate (3:1); 1,3-Dichloro-2-propanol phosphate  
Perfluorooctanoic acid (PFOA) and its salts, its esters  
Halogens and halogen compounds

List of specific amine compounds below:

4-aminoazobenzene  
o-anisidine  
2-naphthylamine  
3,3'-dichlorobenzidine  
4-aminodiphenyl  
benzidine  
o-toluidine  
4-chloro-o-toluidine; 4-chloro-2-methylaniline  
2,4-toluylenediamine; 4-methyl-m-phenylenediamine  
o-aminoazotoluene  
5-nitro-o-toluidine  
4,4'-methylene-bis-(2-chloroanilene)  
4,4'-methylenedianiline  
4,4'-oxideaniline  
p-chloroaniline  
3,3'-dimethoxybenzidine  
3,3'-dimethylbenzidine  
2-Methoxy-5-methylaniline  
2,4,5-trimethylaniline  
4,4'-thiodianiline  
4,4'-diaminodiphenylsulfide  
2,4-diaminoanisole  
4,4'-diamino-3,3'-diphenylmethane  
2,4-Dimethylaniline  
2,6-Dimethylaniline  
1,2-Benzenedicarboxylic acid, dihexyl ester, branched and linear (CAS#: 68515-50-4)  
Cadmium chloride (10108-64-2)  
Sodium perborate; perboric acid, sodium salt (15120-21-5 / 11138-47-9)  
Sodium peroxometaborate (7632-04-4)

Volatile organic compound (VOC) below:

Methyl bromide  
Phosphine  
Sulfuryl fluoride  
Trichloronitromethane  
Benzene  
Toluene  
1,2-Dichloroethane  
Methyl chloride

Latex  
DEHP, DINP, DIDP, Bisphenol A, melamine  
Beta-lactams  
Cytotoxic compounds  
Hormones  
Diacetyl (2,3-butanedione)  
Alylamine Ethoxylate (ANEO)  
Dioxins (and PCBs or Aflatoxins)  
Oil  
Glycerine  
Proteins derived from Jatropha  
Polytetrafluoroethylene (PTFE) Powder

Annex XVII – Substances restricted under REACH  
Annex XIV – Authorisation list  
California Proposition 65  
Canadian Toxic Substances List – Schedule 1  
Directive 94/62/EC & Coalition of Northeast Governors (Packaging and Packaging Waste)  
Global Automotive Declarable Substance List (GADSL)  
Directive 2000/53/EC (ELV)  
CLP Regulation (CMRs)  
Alkylphenol ethoxylates (APEO)  
Allergenic and sensitizing substances restricted from use in toys  
Allergens  
Aromatic amines  
Azo dyes and colorants  
Benzotriazole  
Biocides, triclosan, and silver and silver compounds  
Bisphenol A (BPA) derivatives (monomeric)  
Bisphenols  
Chlorinated solvents including Carbon tetrachloride and 1,1,1-trichloroethane  
Colophony/Colophinium  
Crystalline Silica  
Endocrine disrupting substances banned or restricted by REACH and 2009/425  
Furfuryl alcohol  
Genetically Modified Organisms (GMO)  
Halogen-free phosphorus based organic flame retardants  
Hydrofluorocarbons  
Methyl isocyanate (MIC) and materials emitting MIC during use  
Nanomaterials and materials containing nanomaterials  
Nonylphenol ethoxylates (NPEO)  
Organotin compounds  
Organobromine compounds including  
Tetrabromobisphenol-A-bis-(2,3-dibromopropyl ether) (TBBP-A-bis)  
Organochlorine compounds including  
Mirex  
Perfluorooctane Sulfonates (PFOS) its salts  
Persistent bioaccumulating toxics and very Persistent and very Bioaccumulating substances banned or restricted per REACH and 850/2004  
Refrigerants and blowing agents banned under 842/2006  
Silicone

Substances on the SIN-list not already covered otherwise  
Talc  
Tetrahydrofuran (THF)  
Toluenediisocyanate (TDI)  
Trichlorophenol (TCP)  
Zinc

**Allergens listed in Annex II of EU Directive 1169/2011**

Reference: <http://www.legislation.gov.uk/eur/2011/1169/annex/ii>

**Regulation (EU) No 2019/1021 of the European Parliament and of the Council concerning Persistent Organic Pollutants (POPs)**

- Annex I, II, III, IV

Reference: <http://www.legislation.gov.uk/eur/2019/1021>

**(Waste Electrical and Electronic Equipment) WEEE Directive (2012/19/EU)**

- Annex VII

Reference: <http://www.legislation.gov.uk/eudr/2012/19/contents>

**ODS Regulation (2009/1005/EC) Regulation (EC) No 2037/2000 of the European Parliament and of the Council of 29 June 2000 on substances that deplete the ozone layer**

Reference: <https://eur-lex.europa.eu/eli/reg/2009/1005/2017-04-19>

**Regulation (2011/10/EU) on plastic materials and articles intended to come into contact with food**

Reference: <http://www.legislation.gov.uk/eur/2011/10/contents>

Please note however, that INVISTA does not analyze DYTEK® HMD for the materials identified in your inquiry on a routine basis.

**DYTEK® HMD 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 DYTEK® HMD the chemicals identified above the levels indicated in the RoHS Directive.

**DYTEK® HMD Shelf-life Statement:**

An approximate shelf life of DYTEK® HMD is 1 year from date of supply, if the product is stored in the original container, kept tightly closed and dry, in a well-ventilated location. Because storage and local ambient conditions vary and INVISTA has no control over the practices, procedures and conditions at your or other locations, the shelf life estimate provided here should be used as guidance only. It is not provided as a guarantee of any shelf life.

**DYTEK® HMD Source Statement:**

DYTEK® HMD is derived from synthetic and petrochemical feedstock's and does not contain materials of animal or plant origin.

**DYTEK® HMD SVHC Statement:**

Based on our knowledge, we advise you that DYTEK® HMD is not listed as a SVHC substance on the EU Candidate List of Substances of Very High Concern (as updated on 26 June 2020 <http://echa.europa.eu/candidate-list-table>). INVISTA does not include as an intentional additive or ingredient any SVHC substances in the manufacture of DYTEK® HMD.

Please note however, that INVISTA does not analyze DYTEK® HMD for SVHC substances on a routine basis.

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