

## 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)  
Korea (KECI)  
Taiwan (TCSI)

### **DYTEK® HMD ISO Certificate:**

DYTEK® HMD ISO Certificate is available upon request.

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

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

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 2011/65/EC as amended. This directive places restrictions on the maximum concentration of lead, mercury, cadmium, hexavalent chromium, polybrominated biphenyls (PBB) and polybrominated diphenylethers (PBDE) in electrical and electronic equipment.

We advise you that INVISTA does not include as an intentional additive or ingredient in Hexamethylenediamine (DYTEK® HMD) the chemicals identified below:

- Lead
- Cadmium
- Chromium, hexavalent
- Mercury
- Polybrominated biphenyls (PBB)
- Polybrominated diphenylethers (PBDE)

Please note, however, that INVISTA does not perform testing on Hexamethylenediamine (DYTEK® HMD) to determine the presence of these chemicals.

**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 16 July 2019 <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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