

## DBE®-LVP esters: Information Sheet

---

---

### **DBE®-LVP esters Conflict Minerals Statement:**

Based on our knowledge we advise you that INVISTA does not intentionally include the chemicals identified in your inquiry (see below list) in the manufacture of DBE®-LVP esters.

Gold  
Cassiterite  
Wolframite  
Columbite-tantalite  
Tin  
Tungsten  
Tantalum

Please note, however, that INVISTA does not analyze DBE®-LVP esters for the chemicals identified in your inquiry.

### **DBE®-LVP esters Global Inventory Statement:**

Be advised that the components of DBE®-LVP esters are listed on the following global inventories:

Australia (AICS)  
Canada (DSL)  
China (IECSC)  
EU (EINECS)  
Japan (ENCS)  
Korea (KECI)  
New Zealand  
Philippines (PICCS)  
USA (TSCA) (Active)  
Taiwan (TCSI)

### **DBE®-LVP esters ISO Certificate:**

DBE®-LVP esters ISO Certificate is available upon request.

### **DBE®-LVP esters 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 DBE®-LVP esters.

Acetic Anhydride  
N-Acetylanthranilic Acid  
Ephedrine  
Ergometrine  
Ergotamine  
Isosafrole  
Lysergic Acid  
3,4-Methylenedioxyphenyl-2-Propanone

Norephedrine  
1-Phenyl-2-Propanone  
Piperonal  
Potassium Permanganate  
Pseudoephedrine  
Safrole  
Acetone  
Anthranilic Acid  
Ethyl Ether  
Hydrochloric Acid  
Methyl Ethyl Ketone  
Phenylacetic Acid  
Piperidine  
Toluene  
Thionyl Chloride  
Cadmium and its compounds  
Hexavalent chromium compounds  
Lead and its compounds  
Mercury and its compounds  
Beryllium and its compounds  
Arsenic and its compounds  
Nickel and its compounds  
Bis(tributyl tin) oxide (TBTO)  
Tributyl tin compounds (TBT), Triphenyl tin compounds  
Dibutyl tin compounds (DBT)  
Dioctyl tin compounds (DOT)  
Poly bromide bi-phenyl (PBB)  
Poly bromide di-phenyl ether (PBDE)  
Poly chloride bi-phenyl  
Poly chloride ter-phenyl  
Poly chloride naphthalenes  
Hexa bromo cyclododecane  
Tris (2-chloroethyl) phosphate  
Perchlorate compounds (per chloride acid)  
Chlorinated paraffin  
HFCs, PFCs, SF6  
Asbestos  
Azo dyes and pigments  
Ozone layer depleting substances  
Radioactivity substances  
Perfluoro-octanoic acid (PFOA)  
Perfluoro-octyl sulphonates (PFOS) and its salts  
Benzo triazole  
Formaldehyde  
Phthalate ester  
Anthracene  
4,4'-diamino di-phenyl methane  
Chlorinated cobalt  
1-tert-butyl-3,5-di-methyl-2,4,6-tri-nitrobenzene  
Dimethyl fumarate  
Triethylenediamine  
Naphthalene  
Tributylamine

Ethylbenzene  
Paraben  
PEG-7 GLYCERYL COCOATE  
PEG-Derivates (Polyethylene Glycol Derivates)  
Mink Oil  
1,4-dioxane

REACH Annex XIV (Authorisation List) - (see: <https://echa.europa.eu/authorisation-list>)  
Annex XVII (Restricted Substances) - (see: <https://echa.europa.eu/substances-restricted-under-reach>)

Please note however, that INVISTA does not analyze DBE<sup>®</sup>-LVP esters for the materials identified in your inquiry on a routine basis.

**DBE<sup>®</sup>-LVP esters 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 DBE<sup>®</sup>-LVP esters the chemicals identified above the levels indicated in the RoHS Directive.

**DBE<sup>®</sup>-LVP esters Shelf-life Statement:**

An approximate shelf life of DBE<sup>®</sup>-LVP esters is 2 years, 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.

**DBE<sup>®</sup>-LVP esters Source Statement:**

We advise you that INVISTA's DBE<sup>®</sup>-LVP ester made in the U.S. is manufactured from petrochemical-based feedstocks. However, a support material of synthetic and vegetable origin is used upstream in the manufacturing process of DBE<sup>®</sup>-LVP ester.

**DBE®-LVP esters SVHC Statement:**

Based on our knowledge, we advise you, that DBE®-LVP esters is not listed as a SVHC substances on the EU Candidate List of Substances of Very High Concern (as updated on 16 January 2020 <https://echa.europa.eu/candidate-list-table>). INVISTA does not include as an intentional additive or ingredient any SVHC substances in the manufacture of DBE®-LVP esters.

Please note however, that INVISTA does not analyze DBE®-LVP esters for SVHC substances on a routine basis with the exception of dimethyl sulfate (CAS# 77-78-1) which is present as an impurity and is monitored.

This document contains selected information about a specific INVISTA product and is provided to you for your informational purposes only. This document and its contents may not be reproduced, distributed or disclosed by you to any third party for any purpose. It relates only to the identified product and is based on information available as of the date hereof. INVISTA does not have any obligation to notify you if the above information should change after the date hereof. Additional information may be needed to evaluate uses of the product, including use of the product in combination with any materials or in any processes. **THIS DOCUMENT DOES NOT CONTAIN A COMPLETE STATEMENT OF, AND DOES NOT CONSTITUTE A REPRESENTATION, WARRANTY OR GUARANTY WITH REGARD TO, A PRODUCT'S CHARACTERISTICS, USES, SUITABILITY, SAFETY, EFFICACY, HAZARDS OR HEALTH EFFECTS.** Purchasers and users of the product are responsible for determining that the product is suitable for the intended use and that their workers and the general public are advised of any risks resulting from such use. Nothing contained in this document shall be construed to modify any of the commercial terms pursuant to which the product was or may be sold by INVISTA including, but not limited to, terms and conditions addressing each party's respective rights and obligations with regard to warranties, remedies and indemnification.