Over the last decade, consumers and manufacturers alike have become more aware of the role of packaging in sustainability and safety. One Clean Carton® has been introduced to provide access to packaging that meets the highest standards for sustainable, pharmaceutical and food-safe packaging.

Our Clean Carton is printed on Clearwater Paper®, Solid Bleached Sulphate (SBS) paperboard. SBS uses only chemically processed virgin fiber and contains no mechanical pulp in a middle ply. SBS is a strong sheet that performs well, with no jamming or tearing in the production run. Fewer production slowdowns means less paperboard and ink waste. This reduces production waste and use of raw materials.

One Clean Carton® is printed with water-based inks, provided by Huber. Our inks are printed in compliance with the standards outlined in both Part A and Part B by the Swiss Ordinance for food packaging inks and with the Nestle Guidance Note on Packaging Inks.

The inks we use have been reviewed to meet the Swiss Ordinance and Nestle Guidance standards. In addition, we use a clean pH additive to avoid any retained solvents/amines.

Part A of the Swiss Ordinance lists chemical substances that have been toxicologically evaluated and a Specific Migration Limit (SML) that has been set for each substance. Part B lists chemical substances that have not been toxicologically evaluated and are used in ink formulations with the default migration limit set at 0.01 mg/kg (10ppb). No substances not listed in the Swiss Ordinance are used in any part of a food packaging ink formulation used in our Clean Carton.

The Nestle Guidance Note on Packaging Inks allows limited exceptions for ink chemicals used outside of Europe, provided these are specifically permitted by local food packaging ink regulations that include a toxicological evaluation.
The water based coating used on our Clean Carton is supplied by Cork Industries, Inc., an ISO 9001 compliant manufacturer. The aqueous coating meets or exceeds all U.S. federal and state guidelines, including Consumer Product Safety Improvement Act of 2008, 16CFR 1303, and TPCH guidelines. This coating is high gloss, scuff resistant, and low V.O.C. None of the ingredients in this Cork Industries coating contain any heavy metals above the acceptable levels in the TPCH guidelines.

In addition, the aqueous coatings do not contain any of the substances that are on the REACH candidate list of substances of very high concern as of the June 27, 2018 ECHA candidate list. Further, this coating does not contain any chemicals known to the state of California to cause cancer or reproductive toxicity within the provisions of Proposition 65.

Cork Industries has provided documentation that their coating may be used for indirect food contact applications when used in compliance with FDA regulation: 21CFR175.105.

All of the coatings originate in the United States of America and all formulary ingredients originate in the U.S.A.

One Clean Carton® uses water based adhesives supplied by Capital Adhesives, an ISO 9001 registered organization. Our supplier provides adhesive products that meet or exceed low V.O.C. emission requirements and are approved for use under the food and safety regulation, FDA 21CFR 175.105 for indirect food contact applications. The Clean Carton adhesive also meets the regulatory protocols for the Coalition Northeastern Governors Model Toxics Legislation (CONEG, ASTM F963, EN 71-3) and the Consumer Products Safety Improvement Act of 2008 (CPSIA).

In summary, One Clean Carton® meets standards for low migration, low odor, and low V.O.C for indirect food contact. This water based packaging solution will pass sustainability and food-safe packaging tests.