

FDA Food-Contact Clearance

FortiPhy XVD CrN · U.S. FDA Effective Food Contact Substance Notification No. 823

THE CLEARANCE

PHYGEN holds an **effective U.S. FDA Food Contact Substance Notification** (FCN No. 823) for **chromium nitride** (CAS Reg. No. 24094-93-7) the same coating chemistry as FortiPhy XVD CrN. The notification clears the coating as a surface-coating component on **repeat-use food processing and food packaging equipment**, applied to protect equipment components against abrasive wear.

● **Status: Effective** since Aug 20, 2008 · FDA register last updated 05/31/2026

THE RECORD

FOOD CONTACT SUBSTANCE	Chromium Nitride (CAS Reg. No. 24094-93-7)
NOTIFIER / MANUFACTURER	PHYGEN
INTENDED USE	Surface-coating component on repeat-use food processing and food packaging equipment prevents abrasive wear to the components of the equipment.
LIMITATIONS / SPECIFICATIONS	Applied at a maximum thickness of (10) µm . Finished food-contact equipment cleared for use with all food types , under Conditions of Use A through H (FDA Table 2).
EFFECTIVE DATE	Aug 20, 2008
NEPA SUBMISSION	Categorical Exclusion 25.32(j)
FDA DECISION	Categorical Exclusion Memo

WHAT THIS MEANS

FortiPhy XVD CrN is PHYGEN's chromium nitride coating the same FDA-cleared chemistry covered by FCN No. 823.

- **Direct food contact, every food type.** Cleared across the full range of use conditions, A through H hot-fill through frozen storage.
- **(10) µm ceiling.** Comfortably covers typical FortiPhy XVD CrN application thicknesses on food-equipment components.
- **Your parts are covered.** Under Section 409(h)(1)(C), an effective FCN extends to the listed manufacturer **and its customers** components coated by PHYGEN are covered under FCN No. 823. No separate notification needed on your end.
- **Wear protection where food touches metal.** The cleared use is exactly the case PHYGEN solves abrasive wear on repeat-use processing and packaging equipment.

This statement summarizes the public U.S. FDA record for Food Contact Substance Notification No. 823 (Inventory of Effective Food Contact Substance Notifications). The official FDA record is the authoritative source in any discrepancy, the FDA record governs. PHYGEN appears on the FDA register under its legal entity name. An effective FCN is specific to the listed manufacturer and its customers; other manufacturers must submit their own notification for the same food contact substance and intended use. Provided for informational purposes only and not a warranty of any kind, express or implied. Confidential.