
2 in 1 (Carbon/Silica Gel) Desiccants in Contact with Food and Drugs

The FDA has determined that 2 in 1 activated carbon and silica gel desiccant packaged in a HDPE canister, X-Crepe, GDT-1, GDT-2, or Tyvek film packet or bag meets the requirements of the U.S. Food and Drug Administration for contact with food and drugs:

1. The desiccant is non-toxic.
2. Chemically, the desiccant is a combination of activated carbon and amorphous silicon dioxide. Carbon is covered under 21 CFR 170.3, 175.3, 175.38, 175.39, 176.170, 177.135 as a "Generally Recognized As Safe" (GRAS) substance and is listed in the Food Chemicals Codex. The silica gel is covered under 21 CFR 172.230, 172.480, 175.390, 182.90. Silica gel is also a "GRAS" material as defined in 21 CFR and is covered by Title 21 of the Code of Federal Regulations.
3. If the desiccant is enclosed within an X-Crepe (Kraft paper) bag, the film meets the requirement of the FDA as stated in Title 21 of the Code of Federal Regulations section 176.170 and 176.180.
4. If the desiccant is sealed in polyester/polypropylene non-woven film (GDT-2) packet or bag, the film meets the requirement of the FDA as stated in Title 21 of the Code of Federal Regulations sections 177.1520 & 178.2010 respectively.
5. If the desiccant is sealed in polypropylene/rayon film (GDT-1) packet or bag, the film meets the requirements of the FDA as stated in Title 21 of the Code of Federal Regulations sections 176.170 and 176.180.
6. If the desiccant is enclosed within a HDPE packet, bag, or Canister, the HDPE meets the requirement of the FDA as stated in Title 21 of the Code of Federal Regulations sections 177.1520.
 - 6.1. Inks, Over Varnishes, and Adhesives used on the canister label meet the requirements of the FDA as stated in Title 21 of the Code of Federal Regulations sections 175.105, 175.300, 175.320, 176.17, and 176.180

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7. The desiccant bears a statement warning consumers against accidental ingestion.