

"Waste Classified As Both F005 and K086"  
(Key Words: F005; hazardous waste definition; K086; solvent)

QUESTION: An ink manufacturer mixes inorganic pigments containing chromium and lead in a tub. After the ink is removed for use, the mixing tub is cleaned with a solvent wash that contains 80 percent toluene prior to use. The cleaning produces waste washes and sludges. When discarded, how should the ink manufacturer classify the washes and sludges?

ANSWER: The resulting washes and sludges generated from cleaning the mixing tub would be classified as both F005 and K086. The F005 listing applies to spent nonhalogenated solvents containing, before use, 10 percent or more by volume of one or more of a number of listed solvents, including toluene. The K086 listing covers solvent washes and sludges, caustic washes and sludges, and water washes and sludges generated by cleaning tubs and equipment used in the formulation of ink from pigments, driers, soaps, and stabilizers containing chromium and lead. According to the background listing document for K086 (Identification and Listing of Hazardous Waste Sections 261.31 and 261.32 -- Listing of Hazardous Waste), when a tub used in formulating ink from pigments containing chromium and lead is washed with a solvent that will meet one of the F001-F005 listings when spent, the resultant solvent-wash wastes are considered hazardous wastes under the applicable F-listing and the K086 listing. If a caustic or water wash is used to clean the mixing tub instead of a solvent wash, the F005 listing would not apply since solvents were not used.

Regardless of the type of wash used, for purposes of Part 268, the ink manufacturer will also need to determine if the waste wash (K086) exhibits any characteristics pursuant to 40 CFR Section 262.11(c). The waste must then meet the applicable Part 268, Subpart D treatment standards for each waste code that is subject to the land disposal restrictions under Part 268 prior to disposal in a Subtitle C facility. (Note the exception in Section 268.9(b) for prohibited wastes that are both listed and characteristic, where the treatment standard for the listed waste operates in lieu of the treatment standard for the characteristic waste if the treatment standard for the listed waste addresses the constituent that causes the waste to exhibit the characteristic.) (May 1993 Monthly Hotline Report)