

Industry and EPA hazardous waste No.	Hazardous waste	Hazard code
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Organic Chemicals:		
*	*	*
K181	Nonwastewaters from the production of dyes and/or pigments (including nonwastewaters commingled at the point of generation with nonwastewaters from other processes) that, at the point of generation, contain mass loadings of any of the constituents identified in paragraph (c)(1) of this section that are equal to or greater than the corresponding paragraph (c)(1) levels, as determined on a calendar year basis. These wastes would not be hazardous if: (i) The nonwastewaters do not contain annual mass loadings of the constituent identified in paragraph (c)(2) of this section at or above the corresponding paragraph (c)(2) level; and (ii) the nonwastewaters are disposed in a Subtitle D landfill cell subject to the design criteria in § 258.40 or in a Subtitle C landfill cell subject to either § 264.301 or § 265.301. For the purposes of this listing, dyes and/or pigments production is defined in paragraph (b)(1) of this section. Paragraph (d) of this section describes the process for demonstrating that a facility's nonwastewaters are not K181. This listing does not apply to wastes that are otherwise identified as hazardous under §§ 261.21–24 and 261.31–33 at the point of generation. Also, the listing does not apply to wastes generated before any annual mass loading limit is met.	(T)
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(b) *Listing Specific Definitions:* (1) For the purposes of the K181 listing, dyes and/or pigments production is defined to include manufacture of the following product classes: Dyes, pigments, or FDA certified colors that are classified as azo, triarylmethane, perylene or

anthraquinone classes. Azo products include azo, monoazo, diazo, triazo, polyazo, azoic, benzidine, and pyrazolone products. Triarylmethane products include both triarylmethane and triphenylmethane products.

(2) [Reserved]

(c)(1) *K181 Listing Levels.*

Nonwastewaters containing constituents in amounts equal to or exceeding the following levels during any calendar year are subject to the K181 listing unless the conditions in the K181 listing are met:

Constituent	Chemical abstracts No.	Mass levels (kg/yr)
Aniline	62–53–3	9,300
o-Anisidine	90–04–0	110
4-Chloroaniline	106–47–8	4,800
p-Cresidine	120–71–8	660
2,4-Dimethylaniline	95–68–1	100
1,2-Phenylenediamine	95–54–5	710
1,3-Phenylenediamine	108–45–2	1,200
Toluene-2,4-diamine	95–80–7	0.99

(2) *K181 Exemption Levels.* The K181 listing does not include nonwastewaters that, at the point of generation, contain

no waste constituents meeting or exceeding the following levels during any calendar year, and which meet the

landfill disposal condition set out in the listing description:

Constituent	Chemical abstracts No.	Mass levels (kg/yr)
Toluene-2,4-diamine	95–80–7	140

(d) *Procedures for demonstrating that dyes and/or pigments nonwastewaters are not K181.* The following procedures establish when nonwastewaters from production of dyes/pigments can be managed as nonhazardous.

(1) *Determination based on no K181 constituents.* Generators that have knowledge (e.g., knowledge of constituents in wastes based on prior sampling and analysis data and/or information about raw materials used, production processes used, and reaction

and degradation products formed) that their wastes contain none of the K181 constituents (see paragraph (c) of this section) can use their knowledge to determine that their waste is not K181. The generator must document the basis for all such determinations on an annual basis and keep each annual documentation for three years.

(2) *Determination for generated quantities less than 1,000 MT/yr. for wastes that contain K181 constituents.* If the total annual quantity of dyes and/or

pigments nonwastewaters generated is 1,000 metric tons or less, the generator can use knowledge of the wastes (e.g., knowledge of constituents in wastes based on prior analytical data and/or information about raw materials used, production processes used, and reaction and degradation products formed) to conclude that annual mass loadings for the K181 constituents are below either the paragraph (c)(1) or (c)(2) listing levels of this section. To make this determination, the generator must: