

# ProductData


**MPSI**

 Mineral and Pigment  
Solutions, Inc.

## Inorganic Pigments - Technical Orange Cadmium Concentrate - 8920



Authorized Distributor

### Applications:

Cadmium Pigments are based on cadmium sulfide with the addition of varying amounts of zinc or selenium. The shades range from a lemon yellow (high zinc) through orange, red and maroon (high selenium). The excellent thermal stability and

chemical resistance of cadmium pigments and their ability to provide uniform coloring with high opacity and tinting strength make cadmium pigments desirable for use in coloring plastics, ceramics and surface coatings. They also find limited use in rubber compounds, paper and ink.

Note: Specific product application recommendations are available on request.

<b>Color Index:</b>	Pigment Red 108
<b>Specific Gravity:</b>	5.0
<b>Apparent Density after Tampng (lbs./ft<sup>3</sup>)</b>	49.3
<b>Matter Volatile at 105 °C (% max.)</b>	0.5
<b>Sieve Residue, (45 micron mesh)</b>	0.1
<b>Oil Absorption (/100g)</b>	16
<b>Particle Size Range (microns)</b>	0.1 - 2.5
<b>Average Particle Size (microns)</b>	1.5
<b>C.A.S. Number:</b>	0560

<b>Color Index Number:</b>	77202
<b>Heat Resistance (°C max.)</b>	600
<b>CIE Data:</b>	
<b>x:</b>	0.522
<b>(Pigment 0.5% in PS) y:</b>	0.396
<b>Y:</b>	29.90
<b>Dominant Wavelength (nm)</b>	591
<b>Excitation Purity (%)</b>	78
<b>Acute Oral Toxicity LD<sub>50</sub>:</b>	> 10,000 mg/kg (10 k/kg)
<b>C.A.S. Number:</b>	12214-12-9

### Calculated Tristimulus Values Large Area View Spec. Included 22-June-82 00:00:00

	ILL	X	Y	Z	L*	A*	B*
<b>Full Strength</b>	<b>D</b>	39.49	29.90	6.20	61.57	39.02	56.45
	<b>A</b>	57.39	38.66	2.05	68.51	36.86	68.23
	<b>F</b>	46.01	36.13	4.01	66.62	27.17	65.14
<b>Tint</b>	<b>D</b>	58.03	53.51	33.91	78.17	18.59	26.18
	<b>A</b>	76.03	60.05	11.14	81.86	18.72	32.44
	<b>F</b>	65.78	59.10	22.01	81.35	12.19	31.52

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