



The Shepherd Color Company  
We Brighten Lives

# TECHNICAL DATA SHEET

TDS #403  
Revision 0  
Page 1 of 1

## Orange 10C341

C.I. Pigment Yellow 216  
CAS # 85536-73-8

### DESCRIPTION:

A chromatic inorganic orange powder produced by high temperature calcination. This pigment has good UV and visible opacity, is chemically inert, heat resistant, and stable to ultraviolet light. It is non-bleeding and non-migratory. It has exceptional durability and hiding power, and is generally used in applications where resistance to heat, light, and weather are needed. It is compatible with most resin systems and polymers, and is non-warping. Typical applications (non inclusive) are coatings and other applications where equivalent pigment chemistry is used.

COMPOSITION: Titanium, Tin and Zinc

Physical/Chemical Property	Typical Value	Units	Test Method+
Specific Gravity	4.5	n/a	SCTM 312
Loose Packing Density	6.7 0.80	lbs./gal kg/L	SCTM 194
Surface Area (BET)	7.3	m <sup>2</sup> /g	SCTM 153
Percent Moisture	0.6	wt. %	SCTM 248
Mean Particle Size	1.3	microns	SCTM 183
Conductivity	110	μS/cm	SCTM 142
Oil Absorption	19	parts oil/100 parts pigment	SCTM134
pH	8.5	n/a	SCTM 101
Residue 325 Mesh	0.02	wt. %	SCTM 135
Heat Stability	600 320	°F °C	Observed

\*Values based on limited data +SCTM refers to Shepherd Color Testing Method

Issued by: Brian Schwer-Technical Manager

Issue Date: December 13, 2012

This document is not subject to the requirements of the Shepherd Color internal control procedure. This information provided hereon is based on tests believed to be reliable. However, this data is not guaranteed and no warranty, either expressed or implied is made concerning the use of this information or the use of the product described, whether or not known to The Shepherd Color Company.