

**Preferred Oil Paints and Pigments [1]**

Hue	Common Name (s)	Pigment Index Name(s) [2]	Notes [3]	Hazards [4]	Opacity	Winsor and Newton / Gamblin	Michael Harding	Rublev
Yellow	Cadmium Yellow	PY35, PY37	"Sensitive to acidic environments; can be replaced by the less expensive cadmium-barium form." Cadmium-barium cadmium yellows use the pigments PY35:1 and PY37:1. High tinting strength.	"Avoid dust. Chronic exposure to respirable dust can cause organ damage and possible cancer; do not heat. Metal fumes toxic." A note on Cadmium from Winsor and Newton: "Cadmium itself is a heavy metal and is toxic but cadmium pigments are not classified as dangerous for use in line with EC classification. The level of soluble cadmium in the pigments is so low that no hazard warnings are needed and they pose no greater risk after swallowing or breathing in than other pigment types. Cadmium pigments are restricted for certain applications but this restriction does not apply to artists' colours."	Opaque	<a href="#">Cadmium Yellow Lemon</a>	<a href="#">Cadmium Yellow Lemon</a>	<a href="#">Cadmium Yellow Light</a>
						<a href="#">Cadmium Yellow Medium</a>	<a href="#">Cadmium Yellow</a>	<a href="#">Cadmium Yellow Medium</a>
						<a href="#">Cadmium Yellow Deep (PY37)</a>	<a href="#">Cadmium Yellow Deep (PO20)</a>	<a href="#">Cadmium Yellow Deep</a>
Yellow	Naples Yellow	PY41	This is traditional Naples Yellow, which contains lead. Paints containing lead can be safely handled (see PW1 notes). Average tinting strength. Can be imitated with a blend of Titanium White (PW6), Cadmium Yellow Light (PY35), and Mars Yellow (PY42).	Toxic. Avoid dust.	Semi-Opaque	n/a	<a href="#">Genuine Naples Yellow Light</a>	<a href="#">Naples Yellow</a>
						n/a	<a href="#">Genuine Naples Yellow Dark</a>	<a href="#">Naples Yellow Dark</a>
						n/a		<a href="#">Naples Yellow Paris</a>
Yellow	Mars Yellow, Mars Orange, Yellow Iron Oxide, Yellow Ochre, Gold Ochre, Raw Sienna	PY42	"Dense; opaque; useful pigment; origin of term 'Mars' is uncertain." PY42 or "Mars Yellow" is made from synthetic iron oxides and is comparable to Yellow Ochre (PY43). Average tinting strength.	"Avoid dust; no significant hazards."	Transparent	<a href="#">Transparent Earth Yellow</a>	<a href="#">Transparent Oxide Yellow</a>	<a href="#">Transparent Yellow Iron Oxide</a>
					Opaque	<a href="#">Gold Ochre</a>	<a href="#">Yellow Ochre</a>	<a href="#">Mars Yellow</a>
Yellow	Yellow Ochre	PY43	"Excellent natural equivalent of Mars pigments; semi-opaque to opaque, depending on source." PY43 is made from natural iron oxide. Average tinting strength.	"Avoid dust (iron), but hazards not significant."	Semi-Transparent	<a href="#">Yellow Ochre</a>	<a href="#">French Yellow Ochre</a>	<a href="#">Blue Ridge Yellow Ocher (Semi-Opaque)</a>
						n/a	<a href="#">Yellow Ochre Deep</a>	<a href="#">Italian Raw Sienna</a>
						n/a	n/a	<a href="#">Italian Yellow Earth</a>
						n/a	n/a	<a href="#">Italian Dark Ocher</a>
Yellow	Titanium Yellow, Lemon Yellow Hue	PY53	"Useful all-around pigment." Similar hue to Naples Yellow (PY41).	"Avoid dust; nickel is a skin sensitizer; do not heat - fumes associated with cancer."	Opaque	<a href="#">Titanium Buff</a>	n/a	n/a
						<a href="#">Nickel Titanate Yellow</a>		
Yellow	Arylide Yellow, Hansa, Azo, Yellow Lake, French Yellow	PY65, PY73, PY74, PY74LF, PY97	"Unusual opaque organic." Can be used instead of Cadmium Yellow Medium. Often mixed with other pigments. High tinting strength.	"Unknown; low acute toxicity; avoid dust."	Semi-Transparent	<a href="#">Hansa Yellow Light (PY73)</a>	n/a	n/a
						<a href="#">Hansa Yellow Medium (PY74)</a>	<a href="#">Yellow Lake (PY74)</a>	n/a
Yellow	Isoindolinone	PY109 or PY110	This pigment is often blended with other pigments. It has excellent lightfastness and brightness.	"Unknown; low acute toxicity; avoid dust."	Transparent	n/a	n/a	n/a

Yellow	Azomethine Yellow, Irgazin Yellow, Green Gold	PY129	High tinting strength. Excellent for glazing.	"Unknown; low acute toxicity; avoid dust."	Semi-Transparent	<a href="#">Green Gold</a>	<a href="#">Green Gold</a>	n/a	
Yellow	Quinophthalone Yellow	PY138	This pigment is sometimes blended with other pigments. It has excellent lightfastness and brightness.	"Unknown; avoid dust."	Semi-Transparent	n/a	n/a	n/a	
Yellow	Nickel Azo Yellow, Indian Yellow Deep	PY150	n/a	"Unknown; avoid dust."	Transparent	n/a	n/a	n/a	
Orange	Cadmium Orange	PO20	"Excellent but expensive and toxic pigment." High tinting strength.	"Cadmiums and their compounds should be considered toxic." Avoid dust.	Opaque	<a href="#">Cadmium Orange</a>	n/a	n/a	
						<a href="#">Cadmium Orange Deep</a>	<a href="#">Cadmium Orange</a>	<a href="#">Cadmium Orange</a>	
Red	Indian Red, Venetian Red, Light Red Oxide, Mars Orange, Mars Red, Mars Violet, Violet Iron Oxide, Burnt Sienna	PR101	All of the paints using this pigment were noted as being "useful" or "very useful." The source of Indian Red, Venetian Red, and Light Red Oxide is processed natural mineral and more orange; Mars Red and Mars Violet are sourced from synthetic inorganic material. Variable tinting strength depending on paint.	"No known hazards; avoid dust."	Semi-Transparent	<a href="#">Transparent Earth Red</a>	<a href="#">Transparent Oxide Red</a>	<a href="#">Transparent Oxide Red</a>	
					Semi-Opaque	<a href="#">India Red</a>	<a href="#">Indian Red</a>	<a href="#">Mars Red Light (Opaque)</a>	
					Opaque	<a href="#">Terra Rosa (Semi-Opaque)</a>	<a href="#">Venetian Red (Semi-Opaque)</a>	n/a - for closest match see Ercolano Red (PR102)	
						<a href="#">Venetian Red</a>			
						n/a	n/a		<a href="#">Mars Red</a>
						n/a	n/a		<a href="#">Mars Crimson</a>
Red	Light Red, Iron Oxide Red, Venetian Red	PR102	"One of the best of the earth reds." Variable tinting strength.	"Avoid dust; inhalation of large amounts could cause silicosis."	Semi-Opaque	n/a	n/a	<a href="#">French Burnt Sienna</a>	
						n/a	n/a	<a href="#">French Red Ocher</a>	
						n/a	n/a	<a href="#">Ercolano Red</a>	
						n/a	n/a	<a href="#">Venetian Red</a>	
					Opaque	n/a	n/a	<a href="#">Indian Red</a>	
						n/a	n/a	<a href="#">Italian Burnt Sienna</a>	
						n/a	n/a	<a href="#">Violet Hematite</a>	
Red	Vermilion	PR106	"Will darken in oil if impure or if exposed to polluted atmospheres; excellent hue but erratic; cadmiums do not replace its special hue and physical character." Average tinting strength.	"Mercury and sulfide content are potentially hazardous; avoid dust; do not heat - metal fumes toxic."	Opaque	n/a	<a href="#">Genuine Chinese Vermilion</a>	<a href="#">Vermilion</a>	
Red	Cadmium Red, Scarlet	PR108	"Excellent hue, with variety among different manufacturers." Alternatives include the less expensive PR113, Cadmium Mercury Red, which contains barium sulfate, and PR113:1, Cadmium-Barium Vermillion Red. High tinting strength.	"Many: in dry pigment form, organ damage, cancer, and so on; avoid dust."	Opaque	<a href="#">Cadmium Red Light</a>	<a href="#">Cadmium Red Light</a>	n/a	
						<a href="#">Cadmium Red Medium</a>	<a href="#">Cadmium Red</a>	<a href="#">Cadmium Red Light</a>	
						<a href="#">Cadmium Red Deep</a>	<a href="#">Cadmium Red Deep</a>	<a href="#">Cadmium Red Medium</a>	
						n/a	<a href="#">n/a</a>	<a href="#">Cadmium Red Maroon</a>	

Red	Quinacridone Magenta	PR122	"Durable pigment; weak tinting strength but useful." The combination of PR122 with Green Gold (PY129) in a 1:2 ratio produces a vibrant Transparent Oxide Red (PR101).	"Hazards unknown; avoid dust."	Transparent	<a href="#">Quinacridone Magenta</a>	<a href="#">Magenta</a>	n/a
Red	Perylene, Perylene Vermillion, Winsor Red Deep	PR123 or PR149	"Good hue though weak chroma in tints; used in auto paints, alkyd resin enamels, vinyl and acrylic lacquers, printing inks, plastics." Average tinting strength. Can be a substitute for Alizarin Crimson.	"Hazards unknown; avoid dust."	Transparent	<a href="#">Perylene Red</a>	<a href="#">Crimson Lake</a>	n/a
Red	Pyrrole Red, Bright Red, Scarlet	PR254	"Notable pigment: a duplication of the cadmiums, and a nearly opaque organic." High tinting strength.	"Hazards unknown; avoid dust."	Transparent	n/a	<a href="#">Pyrrole Red</a>	n/a
Purple	Cobalt Violet	PV14	"Widely used in many applications; weak tinter with dull chroma; cobalt arsenate... rarely found today (and toxic), was formerly the pigment used for this hue." Currently made with cobalt phosphate or cobalt ammonium phosphate.	"Skin, eye, and respiratory irritant; avoid dust - inhalation can cause lung damage; an animal carcinogen."	Semi-Transparent	n/a	<a href="#">Cobalt Violet Light</a>	n/a
						<a href="#">Cobalt Violet</a>	<a href="#">Cobalt Violet Dark</a>	n/a
Purple	Ultramarine Violet, Ultramarine Red	PV15	"A weak pigment but with good chroma and lightfastness; sensitive to alkalines, acids, and some metals." Average tinting strength.	"No significant hazards; avoid dust."	Transparent	<a href="#">Ultramarine Violet</a>	<a href="#">Ultramarine Violet</a>	<a href="#">Ultramarine Violet</a>
Purple	Manganese Violet, Permanent Mauve	PV16	"Good but expensive hue; sensitive to alkalines; increasingly rare." Average tinting strength.	"Chronic inhalation can cause nervous system damage; avoid dust."	Semi-Transparent	<a href="#">Manganese Violet</a>	<a href="#">Manganese Violet</a>	n/a
Purple	Quinacridone Violet, Quinacridone Red, Quinacridone Rose, Permanent Carmine, Permanent Magenta, Permanent Rose	PV19 or PR192	"High-quality pigment widely used in industry; performs well in artists' paints." Quinacridone red can serve as "a substitute for alizarin crimson." Average tinting strength.	"Hazards unknown; avoid dust."	Transparent	<a href="#">Quinacridone Red</a>	<a href="#">Quinacridone Rose</a>	n/a
						<a href="#">Quinacridone Violet</a>	n/a	n/a
Purple	Dioxazine Purple, Winsor Violet	PV23RS (red shade)	"Excellent hue with good tinting strength and lightfastness; PV23BS (blue shade) has less lightfastness."	"May be contaminated with dioxins; avoid dust."	Transparent	<a href="#">Dioxazine Purple</a>	<a href="#">Deep Purple (Dioxazine)</a>	n/a
Blue	Phthalo Blue	PB15 or PB16	"Most widely used pigment in artistic and industrial applications; must be greatly extended because of very high tinting strength." PB16 is the "same as PB15 but with better resistance to solvents; will flocculate if improperly formulated in a paint system; will bronze if used full strength."	"May be contaminated with PCBs and dioxins, which cause cancer and birth defects; avoid dust."	Transparent	<a href="#">Manganese Blue Hue (PB15:4)</a>	n/a	n/a
						<a href="#">Phthalo Blue (PB15:1, a red shade)</a>	<a href="#">Phthalo Blue Lake (PB15:3, a green shade)</a>	n/a
Blue	Indanthrone Blue, Indanthrene Blue	PB22 or PB60	"Excellent lightfastness in tints but loses chroma when reduced too greatly; expensive."	"Hazards unknown; avoid dust."	Semi-Transparent	<a href="#">Indanthrone Blue</a>	<a href="#">Indanthrone Blue</a>	n/a

Blue	Prussian Blue	PB27	"Some dispute over name: Milori variety is said to be more stable but Prussian name is better known; widely used and reliable pigment, unstable in alkaline vehicles and high heat." High tinting strength. George O'Hanlon from Natural Pigments has stated Prussian Blue is only stable as a glaze and is not lightfast when mixed with Lead White (PW1) or Titanium White (PW6).	"Only slightly toxic, but can emit highly toxic hydrogen cyanide gas when exposed to acid, high heat, or strong UV light; avoid dust."	Semi-Transparent	<a href="#">Prussian Blue</a>	<a href="#">Prussian Blue</a>	<a href="#">Prussian Blue</a>
Blue	Cobalt Blue	PB28	"Unique hue, valuable in violet mixtures; expensive; sometimes imitated by mixtures of ultramarine." Excellent permanence and lightfastness. Low tinting strength.	"Inhalation can cause pneumonia and other lung damage; avoid dust."	Semi-Transparent	<a href="#">Cobalt Blue</a>	<a href="#">Cobalt Blue</a>	n/a
					Opaque	<a href="#">Cobalt Teal</a>	n/a	n/a
Blue	Ultramarine Blue	PB29	"Reliable and brilliant; lapis often specified in medieval paintings; weak tinting strength, and makes dull violets with reds." The original source for ultramarine blue is the semiprecious gem, lapis lazuli; the modern source is typically complex silicate of sodium and aluminum with sulfur. Ultramarine Blue tints periwinkle when mixed with Titanium White (PW6).	"Hazards unknown; avoid dust."	Transparent	<a href="#">Ultramarine Blue</a>	<a href="#">Ultramarine Blue</a>	<a href="#">Ultramarine (Green Shade)</a>
					Semi-Transparent	n/a	<a href="#">Lapis Lazuli</a>	<a href="#">Lazurite (Lapis Lazuli)</a>
Blue	Manganese Blue	PB33	"Reliable; weak tinting strength; affected by sodium and aluminum sulfates. Possibly no longer available." Phthalo Blue (PB15) produces Manganese Blue hues when combined with Titanium White (PW6).	"Possibly significant chronic health hazard for various organ systems; avoid dust."	Semi-Opaque	n/a - see PB15 for closest match	n/a	n/a
Blue	Cerulean Blue	PB35	"Reliable and inimitable though expensive hue." Often referred to as "sky blue" and the "original" Cerulean Blue. Very lightfast. Low tinting strength.	"Inhalation can cause pneumonia and other lung damage; avoid dust."	Opaque	<a href="#">Cerulean Blue (made with linseed and safflower oil)</a>	n/a	n/a
Blue	Cobalt Chromite, Cerulean Blue	PB36	A greener variation of PB35. Cerulean Blue or Cobalt Chromite (PB36) is "a variety of cobalt blue (PB28) made with chromium to give it the cerulean hue." Low to average tinting strength.	"May be contaminated with PCBs and dioxins, which cause cancer and birth defects; avoid dust."	Opaque	<a href="#">Cerulean Blue</a>	<a href="#">Cerulean Blue</a>	<a href="#">Cobalt Chromite Blue (Semi-Transparent)</a>
Green	Phthalo Green	PG7 or PG36 (green shade)	"Widely used in artistic and industrial applications; flocculates in some paint systems; very strong tinter that must be extended."	"May be contaminated with PCBs; inhalation may induce allergic reactions; avoid dust."	Transparent	<a href="#">Phthalo Green</a>	<a href="#">Phthalo Green Lake</a>	n/a
						n/a	<a href="#">Phthalo Green Yellow Shade</a>	n/a
Green	Chromium Oxide Green, Oxide of Chromium	PG17	"Excellent all-around colorant, but with low chroma and weak tinting strength; used in industrial plastics, enamels, ceramics, printing inks for currency."	"Chromium content may irritate skin and cause severe allergies; chronic exposure may cause asthma or lung cancer; avoid dust."	Opaque	<a href="#">Chromium Oxide Green</a>	<a href="#">Oxide of Chromium</a>	<a href="#">Chromium Oxide Green</a>
Green	Viridian, Emerald Green, Guignet's Green	PG18	"Brighter than PG17 but still with low chroma and weak tinting strength; widely used in industry." Average tinting strength.	"Chromium content may irritate skin and cause severe allergies; chronic exposure may cause asthma or lung cancer; avoid dust."	Semi-Transparent	<a href="#">Viridian</a>	<a href="#">Viridian</a>	<a href="#">Viridian (Semi-Opaque)</a>

Green	Cobalt Green	PG19	Average tinting strength.	"Inhalation can cause pneumonia and other lung damage; avoid dust."	Semi-Transparent	<a href="#">Cobalt Green</a>	<a href="#">Cobalt Green Deep</a>	n/a
Green	Green Earth, Italian Terre Verte	PG23	"Weak, transparent colorant but of unusual hue... the classical underpainting color for flesh tones in medieval egg temperas." Low tinting strength. Great for glazing.	"No known hazards; avoid dust."	Transparent	n/a	n/a	<a href="#">Nicosia Green Earth (Semi-Transparent)</a>
						<a href="#">Terre Verte (also contains PG18)</a>	<a href="#">Terre Verte</a>	<a href="#">Verona Green Earth</a>
						n/a	n/a	<a href="#">Antica Green Earth</a>
Green	Light Green Oxide, Cobalt Teal, Cobalt Turquoise	PG50	Excellent permanence and lightfastness. Average tinting strength.	"Can cause severe skin allergies, and inhalation can cause lung damage; avoid dust."	Opaque	n/a - see PB28 for closest match	<a href="#">Cobalt Teal</a> <a href="#">Cobalt Teal Blue Shade</a>	n/a
Brown	Mars Brown	PBr6	"Excellent stable pigment; low chroma; better than the natural equivalents; origin of 'Mars' name uncertain." Average tinting strength.	"No significant hazards unless contaminated with manganese or other toxic ingredients; avoid dust."	Semi-Opaque to Opaque	n/a	<a href="#">Red Umber</a>	n/a
						n/a	<a href="#">Raw Umber</a>	n/a
						n/a	<a href="#">Burnt Umber</a>	<a href="#">Mars Brown (PBr43)</a>
Brown	Burnt Sienna, Burnt Umber, Raw Sienna, Raw Umber, Brown Ochre	PBr7	"Excellent pigment; hue varies and depends on source and method of processing; low tinting strength; inexpensive." Can cause "sinking in" due to its absorbent clay content. A non-sinking in opaque alternative to Burnt Umber can be created with either Michael Harding Venetian Red (PR101) or Rublev Ercolano Red (PR102) + Michael Harding Phthalo Blue Lake (PB15:3).	"No significant hazards unless contaminated with manganese or other toxic ingredients; avoid dust." If there is Manganese content, "Chronic inhalation can cause degenerative nervous system disease; avoid dust."	Semi-Transparent	<a href="#">Raw Sienna</a>	<a href="#">Raw Sienna</a>	<a href="#">Cypress Raw Umber Light</a>
						n/a	<a href="#">Italian Brown Ochre</a>	<a href="#">Italian Brown Ochre</a>
						<a href="#">Burnt Sienna</a>	<a href="#">Burnt Sienna</a>	<a href="#">French Burnt Umber</a> <a href="#">Cypress Raw Umber Medium</a>
						n/a	<a href="#">Italian Green Umber</a>	<a href="#">Italian Green Umber (Semi-Opaque)</a>
						<a href="#">Raw Umber</a>	n/a	<a href="#">French Raw Umber (Semi-Opaque)</a>
						<a href="#">Burnt Umber</a>	<a href="#">Transparent Oxide Brown</a>	<a href="#">Cypress Raw Umber Dark</a>
						n/a	<a href="#">Van Dyke Brown (PBr8)</a>	<a href="#">Cypress Burnt Umber</a>

Black	Ivory Black, Bone Black	PBk9	"This is the only blue black, called 'cool'; same limitations as other carbon blacks." Ivory Black is often referred to as the blackest of the blacks. Average tinting strength.	"No significant hazards if pure; avoid dust."	Semi-Opaque	<a href="#">Ivory Black</a>	<a href="#">Ivory Black</a>	<a href="#">Bone Black</a>
Black	Mars Black	PBk11	"Excellent pigment, generally better performer than other blacks, but weak tinting strength." More of a very dark charcoal than black color.	"No significant hazards unless contaminated with impurities; avoid dust."	Semi-Opaque	n/a	<a href="#">Vine Black</a>	<a href="#">Roman Black</a>
					Opaque	<a href="#">Mars Black</a>	n/a	<a href="#">Natural Black Oxide</a>
White	Lead White, Flake White, Foundation White, Stack Lead White, Cremnitz White	PW1	"Traditional white for oil paints due to excellent drying characteristics; irreplaceable, but slowly disappearing as less toxic substitutes are developed." Natural Pigments, the maker of Rublev, commented: "Nitrile, vinyl, and latex gloves are adequate skin protection from lead white paint. Please be aware that ingestion is the main route of exposure to lead paint. There are no toxic fumes or vapors from lead white paint. You can clean your palette of lead white paint the same as you do with any other color." Average to high tinting strength.	"Lead is toxic by all routes of entry; avoid dust."	Semi-Transparent	n/a	<a href="#">Cremnitz White</a>	<a href="#">Lead White #1 (Opaque)</a>
					Opaque	n/a	<a href="#">Foundation White (also contains PW6)</a>	<a href="#">Lead-Titanium White (also contains PW6)</a>
						n/a	<a href="#">Stack Lead White (historical formulation)</a>	<a href="#">Stack Lead White (historical formulation)</a>
White	Titanium White	PW6	"Excellent all-around colorant in wide use; extension improves films in oil; rutile variety is more opaque; anatase variety chalks in exterior use and is bluer." Titanium White on its own is considered the brightest of the whites and forms a strong paint film though not as strong as Lead White. High tinting strength. [5]	"No significant hazards; avoid dust."	Opaque	n/a	<a href="#">Unbleached Titanium Dioxide (PW6:1)</a>	n/a
						<a href="#">Titanium White</a>	<a href="#">Titanium White No 1</a>	<a href="#">Titanium White</a>

[1] This list can be a helpful starting point. It shouldn't be considered complete or authoritative as I have created it for my own reference. All of the paints listed have an American Society for Testing and Materials (ASTM) Lightfastness rating of I (excellent) and are extremely permanent (AA) or permanent (A). Some paints, such as Lead Tin Yellow (Lead Stannate), show evidence of having excellent lightfastness and permanence but haven't been rated by the ASTM so aren't included on this list. Paints that contain lightfast blends, such as Cadmium Green (PY35 and PG18), are also omitted from this list. Neither Michael Harding nor Rublev use fillers, extenders, or dryers. All of the paints listed here use linseed oil as their binder.

If you have any questions regarding your own specific situation and goals, please reach out to the manufacturers directly:

Winsor and Newton contact page: <https://www.winsornewton.com/na/contact-us>

Gamblin contact page: <https://gamblincolors.com/contact>

Michael Harding contact page: <https://www.michaelharding.co.uk/contact>

Natural Pigments (Rublev) contact page: <https://www.naturalpigments.com/contact>

[2] Pigment Index Names:

PY = Pigment Yellow

PO = Pigment Orange

PR = Pigment Red

PB = Pigment Blue

PBr = Pigment Brown

PBk = Pigment Black

PG = Pigment Green

PV = Pigment Violet

PW = Pigment White

[3] The quoted information in Notes and Hazards is from the Revised and Expanded edition of The Painter's Handbook by Mark David Gottsegen, pages 155-197. You can purchase a copy here:

<https://amzn.to/3dQyXEI>

Another great resource for pigment and medium information is Traditional Oil Painting:

<https://amzn.to/47fNLpW>

<https://traditionaloilpainting.com>

[4] "Avoid dust" mainly refers to the pigments in their raw powder form (i.e. prior to being blended with linseed oil or another binder). Paint from a tube has been blended and generally does not pose the same risks as the powdered pigment. Sanding artwork can create dust, however, and precautions such as wearing an N100 mask (aka particulate respirator) along with nitrile or latex gloves will reduce the risk of inhaling and ingesting dust. I have an example of a particulate respirator listed here along with nitrile gloves and other essential studio supplies:

<https://www.nikitacoulombe.com/artsupplies>

[5] Keep an eye out for paints containing Zinc White (PW4). Some manufacturers have removed PW4 from their formulations because the latest research has shown it can cause a paint film to become brittle and crack. However, other manufacturers continue to use it, especially in paints containing multiple pigments. For example, paints labeled Titanium White and Flake White will sometimes contain PW4. This article explains the issues well:

<https://www.naturalpigments.com/artist-materials/zinc-white-oil-paint-color>

Just a heads up - some of the links in this document are affiliate links, meaning, if you make a purchase through one of those links I may earn a small commission. There is no additional cost to you and your purchase supports the creation of more demos and videos. Thank you for your support!