

HOLBEIN ARTISTS' OIL COLORS
Technical Data / Ingredients

RED

| Ref No. | Color | Chemical Name | CI No. |
|----------------|--------------------|---|---------------------|
| H223 | Alizarin Crimson | Alizarin Lake | 58000 |
| H201 | Crimson Lake | Anthraquinoid Pigment | 65300 |
| H202 | Carmine | Condensed Azo Pigment | ---- |
| H203 | Pink Madder | Condensed Azo Pigment | ---- |
| H204 | Rose Madder | Condensed Azo Pigment | ---- |
| H224 | Rose Dore | Alizarin Lake, Condensed Azo Pigment | 58000 |
| H205 | Geranium Lake | Monoazo Pigment | 12467 |
| H206 | Coral Red | Cadmium Sulfo-Selenide, Titanium dioxide | 77202, 77891 |
| H207 | Cadmium Red | Cadmium Sulfo- Selenide | 77202 |
| H208 | Cadmium Red Light | Cadmium Sulfo- Selenide | 77202 |
| H209 | Cadmium Red Deep | Cadmium Sulfo- Selenide | 77202 |
| H211 | Cadmium Red Purple | Cadmium Sulfo- Selenide | 77202 |
| H225 | Cadmium Maroon | Cadmium Sulfo- Selenide | 77196 |
| H212 | Scarlet Lake | Monoazo Pigment, Orange69 | 12467 |
| H213 | Chinese Red | Monoazo Pigment | 12467 |
| H214 | Peony Red | Monoazo Pigment | 12516 |
| H215 | Vermilion | Mercury Sulfide | 77766 |
| H216 | French Vermilion | Mercury Sulfide | 77766 |
| H217 | Chinese Vermilion | Mercury Sulfide | 77766 |
| H218 | Vermilion Hue | Monoazo Pigment, Orange69 | 12467 |
| H219 | Perylene Red | Perylene Pigment | 71137 |
| H220 | Alps Red | Quinacridone Pigment | 46500 |
| H221 | Brilliant Pink | Monoazo Pigment, Titanium Dioxide | 12467, 77891 |
| H226 | Shell Pink | Monoazo Pigment, Pyrazolone Pigment, Titanium dioxide | 12467, 21110, 77891 |
| H222 | Bright Red | Monoazo Pigment, Monoazo Lake | 12467, 15865 |

HOLBEIN ARTISTS' OIL COLORS**Technical Data / Ingredients****ORANGE**

| Ref No. | Color | Chemical Name | CI No. |
|---------|--------------------------|--|---------------------|
| H257 | Cadmium Orange | Cadmium Sulfo- Selenide | |
| H210 | Cad. Orange Red Shade | Cadmium Sulfo- Selenide | 77202 |
| H254 | Cad. Orange Yellow Shade | Cadmium Sulfo- Selenide | 77196, 77202 |
| H246 | Permanent Orange | Pyrazolone Pigment, Nickel-Antimony Titanate, Disazo Pigment | 21115, 77788, 21095 |

YELLOW

| Ref No. | Color | Chemical Name | CI No. |
|---------|---------------------------|---|----------------------------|
| H230 | Naples Yellow | Cadmium Sulfide, Hydrous Iron Oxide, Titanium Dioxide | 77199, 77492, 77891 |
| H231 | Naples Yellow French | Hydrous Iron Oxide, Disazo Pigment, Titanium Dioxide | 77492, 21127, 77891 |
| H232 | Naples Yellow Italian | Cadmium Sulfide, Ferric-Magnesium Oxide, Titanium Dioxide | 77199, 77495, 77891 |
| H261 | Ivory White | Nickel- Antimony Titanate, Hydrous Iron Oxide, Titanium dioxide | 77788, 77492, 77891 |
| H233 | Jaune Brillant No. 1 | Cadmium Sulfo-Selenide, Titanium dioxide | 77196, 77202, 77891 |
| H234 | Jaune Brillant No. 2 | Cadmium Sulfo-Selenide, Titanium dioxide | 77196, 77202, 77891 |
| H235 | Jaune Brillant No. 3 | Cadmium Sulfo-Selenide, Titanium dioxide | 77196, 77202, 77891 |
| H236 | Jaune Brillant No. 4 | Cadmium Sulfide, Hydrous Iron Oxide, Titanium Dioxide | 77196, 77202, 77492, 77891 |
| H237 | Lemon Yellow | Disazo Pigment, Titanium Dioxide | 21127, 77891 |
| H238 | Lemon Yellow Pale | Cadmium Sulfide, Titanium Dioxide | 77199, 77891 |
| H260 | Yellow Ochre Pale Natural | Native Ochre | 77492 |
| H242 | Yellow Ochre Natural | Native Ochre | 77492 |
| H240 | Yellow Ochre | Native Ochre, Hydrous Iron Oxide | 77492, 77492 |
| H241 | Gold Ochre | Native Earth (Hydrous Iron Oxide) | 77492 |
| H258 | Permanent Yellow | Disazo Pigment, Nickel- Antimony Titanate | 21095, 77788 |
| H259 | Permanent Yellow Pale | Disazo Pigment, Nickel- Antimony Titanate | 21127, 21095, 77788 |
| H243 | Permanent Yellow Lemon | Nickel- Antimony Titanate, Disazo Pigment, Monoazo Pigment | 77788, 21127, 11737 |
| H244 | Permanent Yellow Light | Nickel- Antimony Titanate, Disazo Pigment, Monoazo Pigment | 77788, 21095, 11767 |

HOLBEIN ARTISTS' OIL COLORS

Technical Data / Ingredients

YELLOW (continued)

| Ref No. | Color | Chemical Name | CI No. |
|---------|-----------------------|---|---------------------|
| H245 | Permanent Yellow Deep | Nickel- Antimony Titanate, Disazo Pigment, Isoindolin Pigment | 77788, 21095, ----- |
| H247 | Greenish Yellow | Pigment Dye Copper Complex | ----- |
| H248 | Aureolin | Potassium Cobaltinitrite | 77357 |
| H249 | Cadmium Yellow Lemon | Cadium Sulfide | 77199 |
| H250 | Cadmium Yellow Pale | Cadium Sulfide | 77199 |
| H251 | Cadmium Yellow Light | Cadium Sulfide | 77199 |
| H252 | Cadmium Yellow | Cadium Sulfide, Cadmium Sulfo-Selenide | 77199, 77196, 77202 |
| H253 | Cadmium Yellow Deep | Cadmium Sulfo-Selenide | 77196, 77202 |
| H255 | Indian Yellow | Isoindoline Pigment, Disazo Pigment | ----- |
| H256 | Nickel Yellow | Nickel-Barium Titanate | 77900 |

GREEN

| Ref No. | Color | Chemical Name | CI No. |
|---------|-----------------------|--|---------------------------------|
| H270 | Viridian | Hydrous Chromium Sesquioxide | 77289 |
| H271 | Viridian Hue | Polychloro Copper Phthalocyanine | 74260 |
| H294 | Oriental Green | Polychloro Copper Phthalocyanine | 74260 |
| H295 | Cobalt Green | Zinc Cobalt Oxide | 77335 |
| H272 | Cobalt Green Pale | Zinc Cobalt Oxide | 77335 |
| H273 | Cobalt Green Deep | Zinc Cobalt Oxide | 77335 |
| H274 | Emerald Green Nova | Polychloro-Bromo Copper Phthalocyanine, Titanium Dioxide | 74265, 77891 |
| H275 | Terre Verte | Native Green Earth | 77009 |
| H297 | Terre Verte Verona | Native Green Earth, Hydrous Chromium Sesquioxide, Native Earth(Iron-Manganese Oxide- | 77009, 77289, 77491,77492,77499 |
| H276 | Sap Green | Polychloro Copper Phthalocyanine Disazo Pigment | 74260 |
| H277 | Permanent Green Light | Polychloro Copper Phthalocyanine, Nickel-Antimony Titanate, Disazo Pigment | 74260, 77788, 21095 |
| H278 | Permanent Green Pale | Polychloro Copper Phthalocyanine, Nickel-Antimony Titanate, Disazo Pigment | 74260, 77788, 21095 |

HOLBEIN ARTISTS' OIL COLORS**Technical Data / Ingredients****GREEN (continued)**

| Ref No. | Color | Chemical Name | CI No. |
|----------------|----------------------|---|---------------------|
| H279 | Permanent Green | Disazo Pigment, Copper Phthalocyanine, Nickel-Antimony Titanate | 21095, 74160, 77788 |
| H281 | Cadmium Green Pale | Hydrous Chromium Sesquioxide, Cadmium Sulfide | 77289, 77199 |
| H280 | Permanent Green Deep | Disazo Pigment, Copper Phthalocyanine | 21095, 74160 |
| H296 | Cadmium Green Light | Hydrous Chromium Sesquioxide, Cadmium Sulfide | 77289, 77199 |
| H282 | Cadmium Green | Hydrous Chromium Sesquioxide, Cadmium Sulfide | 77289, 77199 |
| H283 | Cadmium Green Deep | Hydrous Chromium Sesquioxide, Cadmium Sulfide | 77289, 77199 |
| H284 | Compose Green | Hydrous Chromium Sesquioxide, Cadmium Sulfide, Titanium Dioxide | 77289, 77199, 77891 |
| H288 | Oxide of Chromium | Anhydrous Chromium Sesquioxide | 77288 |
| H290 | Olive Green | Polychloro-Bromo Copper Phthalocyanine, Anthraquinoid Pigment, Disazo Pigment | 74265, 65300 |
| H291 | Cinnabar Green Light | Nickel- Antimony Titanate, Disazo Pigment, Native Earth (Hydrous Iron Oxide), Polychloro | 77788, 77492, 74260 |
| H292 | Cinnabar Green | Nickel- Antimony Titanate, Disazo Pigment, Polychloro-Bromo Copper Phthalocyanine, Native | 77788, 74265, 77492 |
| H293 | Baryte Green | Polychloro-Bromo Copper Phthalocyanine, Titanium Dioxide | 74265, 77891 |
| H298 | Prussian Green | Pottasium Ferric Ferrocyanide, Nickel- Antimony Titanate, Disazo Pigment | 77510, 21095, 77788 |

BLUE

| Ref No. | Color | Chemical Name | CI No. |
|----------------|---------------------|--|---------------------|
| H301 | Cobalt Blue | Cobalt Aluminate | 77346 |
| H302 | Cobalt Blue Pale | Cobalt Aluminate | 77346 |
| H303 | Cobalt Blue Deep | Cobalt Aluminate | 77346 |
| H304 | Cobalt Blue Hue | Complex of Silica, Alumina Soda & Sulphur, Copper Phthalocyanine, Titanium Dioxide | 77007, 74160, 77891 |
| H305 | Cerulean Blue | Cobalt Stannate | 77368 |
| H321 | Cerulean B. Reddish | Cobalt Stannate | 77368 |
| H306 | Cerulean Blue Hue | Copper Phthalocyanine, Titanium Dioxide | 74160, 77891 |
| H307 | Ultramarine Light | Complex of Silica, Alumina Soda & Sulphur | 77007 |
| H322 | Ultramarine Blue | Complex of Silica, Alumina Soda & Sulphur | 77007 |
| H308 | Ultramarine Deep | Complex of Silica, Alumina Soda & Sulphur | 77007 |

BLUE (continued)

| Ref No. | Color | Chemical Name | CI No. |
|---------|------------------|--|---------------------|
| H309 | Manganese Blue | Barium Mangan-Sulfate | 77112 |
| H310 | Verditer Blue | Cobalt Aluminate, Titanium Dioxide | 77346, 77891 |
| H311 | Compose Blue | Copper Phthalocyanine, Titanium Dioxide | 74160, 77891 |
| H312 | Prussian Blue | Pottasium Ferric Ferrocyanide | 77510 |
| H313 | Hydranger Blue | Copper Phthalocyanine | 74160 |
| H319 | Oriental Blue | Copper Phthalocyanine | 74160 |
| H314 | Indigo | Complex of Silica, Alumina Soda & Sulphur, Pottasium Ferric Ferrocyanide | 77007, 77510 |
| H315 | Turquoise Blue | Titanium Dioxide, Cobalt Stannate | 77891, 77368 |
| H316 | Cobalt Turquoise | Cobalt-Chromium Aluminate | 77343 |
| H317 | Horizon Blue | Copper Phthalocyanine, Titanium Dioxide | 74160, 77891 |
| H318 | Misty Blue | Complex of Silica, Alumina Soda & Sulphur, Titanium Dioxide | 77007, 77891 |
| H320 | Navy Blue | Complex of Silica, Alumina Soda & Sulphur, Polychloro Copper Phthalocyanine, Titanium | 77007, 74260, 77891 |

VIOLET

| Ref No. | Color | Chemical Name | CI No. |
|---------|-------------------------|---|---------------------|
| H329 | Cobalt Violet | Cobalt Lithium Phosphate | 77363 |
| H330 | Cobalt Violet Light | Cobalt Arsenate | |
| H331 | Cobalt Violet Deep | Cobalt Phosphate | 77360 |
| H332 | Cobalt Violet Light Hue | Alizarin Lake, Cobalt Aluminate, Titanium Dioxide | 58055, 77346, 77891 |
| H333 | Mineral Violet | Manganese Phosphate | 77742 |
| H334 | Mars Violet | Iron Oxide | 77491 |
| H335 | Mauve | Complex of Silica, Alumina Soda & Sulphur, Alizarin Lake | 77007, 58055 |
| H336 | Rose Violet | Quinacridone Pigment, Titanium Dioxide | 73915, 77891 |
| H337 | Rose Violet Transparent | Quinacridone Pigment | 73915 |
| H338 | Perm. Violet | Dioxazine Pigment | 51319 |
| H339 | Light Magenta | Quinacridone Pigment, Titanium Dioxide | 46500, 77891 |

BROWN & BLACK

| Ref No. | Color | Chemical Name | CI No. |
|---------|------------------|--|-----------------------------------|
| H340 | Light Red | Iron Oxide | 77491 |
| H341 | Light Red Bright | Iron Oxide, Orange 69 | 77491 |
| H342 | Raw Umber | Native Earth(Iron-Manganese Oxide-Hydroxide) | 77491, 77492, 77499, 77727, 77730 |
| H343 | Raw Sienna | Native Earth (Hydrous Iron Oxide) | 77492 |
| H344 | Burnt Umber | Native Earth(Iron-Manganese Oxide) | 77491, 77499, 77727 |
| H345 | Burnt Sienna | Native Earth(Iron-Oxide), Native Earth(Iron-Manganese Oxide) | 77491, 77499, 77491, 77499, 77727 |
| H346 | Indian Red | Iron Oxide | 77491 |
| H347 | Terra Rosa | Iron Oxide | 77491 |
| H349 | Mars Yellow | Ferric-Magnesium Oxide | 77495 |
| H350 | Mars Orange | Ferric-Magnesium Oxide, Native Earth(Iron-Oxide-Hydroxide) | 77495, 77491, 77492, 77499 |
| H351 | Sepia | Native Bituminous Earth, Carbon, Calcium Phosphate | 77727, 77730, 77267 |
| H352 | Vandyke Brown | Native Bituminous Earth | 77727, 77730 |
| H353 | Peach Black | Condensed Anilin Pigment, Carbon | 50440, 77266 |
| H354 | Ivory Black | Carbon, Calcium Phosphate, Carbon | 77267, 77266 |
| H355 | Brown Pink | Isiondolinone Pigment, Anthraquinoid Pigment | 65300 |
| H356 | Lamp Black | Carbon | 77266 |
| H357 | Blue Black | Complex of Silica,Alumina,Soda & Sulphur, Carbon,Calcium Phosphate, Carbon | 77007 |

GREY

| Ref No. | Color | Chemical Name | CI No. |
|---------|---------------|--|---------------------|
| H368 | Charcoal Grey | Carbon | 77268 |
| H370 | Blue Grey | Complex of Silica, Alumina, Soda & Sulphur, Titanium Dioxide | 77007, 77891 |
| H371 | Yellow Grey | Hydrous Iron Oxide, Iron Oxide, Titanium Dioxide | 77492, 77491, 77891 |
| H372 | Green Grey | Anhydrous Chromium Sesquioxide, Titanium Dioxide | 77288, 77891 |
| H373 | Grey of Grey | Titanium Dioxide, Condensed Anilin Pigment, Cobalt Lithium Phosphate | 77891, 50440, 77363 |
| H374 | Violet Grey | Complex of Silica,Alumina,Soda&Sulphur, Titanium Dioxide | 77007, 77891 |

GREY (continued)

| Ref No. | Color | Chemical Name | CI No. |
|---------|----------------------|--|---|
| H375 | Davy's Grey | Native Green Earth, Native Earth(Iron-Manganese Oxide-Hydroxide), Carbon | 77009, 77727, 77491, 77492, 77499, 77266, 77730 |
| H376 | Rose Grey | Iron Oxide, Titanium Dioxide | 77491, 77891 |
| H378 | Monochrome Tint Warm | Ferric-Magnesium Oxide, Titanium Dioxide | 77495, 77891 |
| H379 | Monochrome Tint Cool | Carbon, Calcium Phosphate, Titanium Dioxide | 77267, 77891 |
| H380 | Paynes Grey | Complex of Silica, Alumina, Soda & Sulphur, Carbon | 77007, 77266 |
| H369 | Neutral Grey | Carbon, Calcium Phosphate, Hydrous Iron Oxide, Titanium Dioxide | 77267, 77492, 77891 |

GOLD & SILVER

| Ref No. | Color | Chemical Name | CI No. |
|---------|--------|---------------------------------|--------------|
| H390 | Gold | Titanated Mica, Aluminum Powder | 77019, 77000 |
| H391 | Silver | Aluminium | 77000 |

TRANSPARENT

| Ref No. | Color | Chemical Name | CI No. |
|---------|-----------------------|----------------------------------|--------|
| H801 | Transparent Rose | Quinacridone Pigment | 73915 |
| H802 | Transparent Red | Anthraquinoid Pigment | 65300 |
| H803 | Transparent Vermilion | Condensed Azo Pigment | ---- |
| H807 | Transparent Lemon | Disazo Pigment | 21105 |
| H806 | Transparent Yellow | Disazo Pigment | 21105 |
| H810 | Transparent Green | Polychloro Copper Phthalocyanine | 74260 |
| H813 | Transparent Blue | Copper Phthalocyanine | 74160 |
| H816 | Transparent Garnet | Quinacridone Pigment | 46500 |
| H819 | Transparent Violet | Disazo Pigment | 51319 |
| H822 | Transparent Brown | Pigment Brown 23 | ---- |
| H825 | Transparent Black | Carbon | 77266 |

HOLBEIN ARTISTS' OIL COLORS**Technical Data / Ingredients****FOUNDATION OIL**

| Ref No. | Color | Chemical Name | CI No. |
|----------------|---------------------|--|---|
| H531 | Foundation White | Basic Lead Carbonate, Titanium Dioxide | 77597, 77891 |
| H533 | Foundation Greenish | Basic Lead Carbonate, Titanium Dioxide, Anhydrous Chromium Sesquioxide | 77597, 77891, 77288 |
| H535 | Foundation Umber | Basic Lead Carbonate, Titanium Dioxide, Native Earth(Iron-Manganese Oxide-Hydroxide) | 77597, 77891, 77727, 77491, 77492, 77499, 77730 |
| H537 | Foundation Grey | Basic Lead Carbonate, Titanium Dioxide, Carbon, Calcium Phosphate | 77597, 77891, 77267 |

WHITES -- ALL SIZES

| Ref No. | Color | Chemical Name | CI No. |
|----------------|--------------------|----------------------|---------------|
| | Neo-Zinc White | Zinc Oxide | 77947 |
| | Silver White | Basic Lead Carbonate | 77597 |
| | Titanium White | Titanium Dioxide | 77891 |
| | Permanent White SF | Titanium Dioxide | 77891 |
| | Permanent White EX | Titanium Dioxide | 77891 |
| | Ceramic White | Strontium Titanate | ----- |
| | Quick Drying White | Titanium Dioxide | 77891 |

N = Sulfide origin color, avoid admixture with leaden chemical origin color.