

MATERIAL SAFETY DATA SHEET
Utrecht Artists' Watercolors



MSDS 904.3
Date: August 20, 2010

Information: 800-223-9132
or: 609-409-8001

Section 1 – Company and Product Identification

Utrecht Art Supply
6 Corporate Drive
Cranbury, NJ 08512

Product Line: Utrecht Artists' Watercolors

10005 Utrecht Deluxe Artists' Watercolor Set
28196 Utrecht Artists' Watercolor Portrait Set of 12
28192 Utrecht Artists' Watercolor Landscape Set of 12
28194 Utrecht Artists' Watercolor Basic Set of 6
28199 Utrecht Basic Artists' Watercolors Set
Tube sizes: 7.5 ml; 14 ml

Section 2 – Hazard Identification (composition / information on ingredients)

General statement of toxicity

Watercolors contain pigments in an aqueous formulation. Avoid ingestion or inhalation of products containing heavy metals (See Appendix A).

Formulation overview

Utrecht Artists' Watercolors are formulated with purified water and often include gum arabic and other proprietary components.

Section 3 – Hazardous Component Information (hazard identification)

Appendix A lists the forty Utrecht Artists' Watercolors. The predominant component of these products is water and texture agents that have low inherent toxicity. The Risk Characterization used to assign the level of risk for each Utrecht Artists' Watercolor is noted in the preamble to Appendix A.



Section 4 – First Aid Measures

For overexposure due to accidental ingestion or inhalation, treat symptomatically. Adverse effects from skin exposure, (the expected route of exposure in normal use), are not expected.

- Inhalation If person is showing adverse effects in situations where the product is being sprayed without respiratory protection, remove person to fresh air. Seek medical help if recovery is not immediate.
- Ingestion Treat symptomatically; do not induce vomiting; seek medical help.
- Skin Contact Wash skin with soap and water.
- Eye Contact Flush eyes for up to 15 minutes with water; if irritation persists, seek medical help.

Section 5 – Fire Fighting Measures

The components of Utrecht Artists' Watercolors are not readily combustible.

- Flash point, °C: NA
- Auto-ignition temperature: NA
- Lower explosive limit: NA
- Upper explosive limit: NA
- Extinguishing media: Carbon dioxide, foam, dry chemical

Section 6 – Accidental Release Measures

It is not expected that the container sizes available for Utrecht Artists' Watercolors would result in a spill commensurate with the definition of 'accidental release.'

- Spill Procedure: Contain spillage; use dustless methods for cleanup.

Section 7 – Handling and Storage

- Store at room temperature.
- Do not contaminate food products.
- Wash hands after use.
- Avoid eye contact.



Section 8 – Exposure Control/Personal Protection

Normal usage of Utrecht Artists' Watercolors does not require special Personal Protection Equipment, (PPE). Wash hands with soap and water to remove residue, should it occur.

Section 9 – Physical/Chemical Properties

Utrecht Artists' Watercolors are water-based formulations incorporating a variety of proprietary components.

Section 10 – Stability and Reactivity

Utrecht Artists' Watercolors are considered stable and non-reactive.

Section 11 – Toxicology Information

Utrecht Artists' Watercolors generally have low toxicity. Pigments based on certain metals are considered toxic and an appropriate cautionary statement is provided. Cadmium and cobalt have been listed by the State of California, under PROP 65¹, as carcinogens and/or developmental toxins. Appendix A lists the Utrecht Artists' Watercolors and their associated toxicity determined by risk characterization.

Section 12 – Ecological Information

Toxicity to animals, fish and insects is not available.

Data on persistence, bioaccumulation potential and mobility in soil is not available.

Section 13 – Disposal Considerations

Under typical use situations, Utrecht Artists' Watercolors should be used up rather than disposed. Residual product can be washed from brushes with soap and water.

¹ Safe Drinking Water and Toxic Enforcement Act of 1986



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Section 14 – Transport Information

No restrictive Department of Transportation requirements; not hazardous for shipping

Section 15 – Regulatory Information

Regulated by the US Consumer Product Safety Commission for chronic hazards under Labeling of Hazardous Art Materials Act, (LHAMA), codified at 16 C.F.R. § 1500.14(b) (8), which requires that art materials be properly labeled if they present a chronic adverse health effect.

Product labeling conforms to ASTM 4236.

Section 16 – Other Information

MSDS prepared by Elliot Gordon, PhD, DABT, Elliot Gordon Consulting, LLC, 55 Lillie Street, Princeton Junction, NJ 08550 (609-936-1977; ebgfox@comcast.net).

Date of MSDS/revision: August 20, 2010.



Appendix A: Utrecht Artists' Watercolors - Product Toxicity

Risk Characterization

The potential adverse effects of Utrecht Artists' Watercolors are determined through the process of risk characterization.

This process first identifies the hazard of the material, (that is, the inherent toxicity of the product), and the dose-response, (that is, the relationship of toxicity to systemic dose). The systemic dose is milligrams, (mg), of material per kilogram, (kg), of body weight: mg/kg. Once the hazard and dose-response are known, an estimation of exposure is made, (that is, how much systemic dose is expected).

The systemic dose, in the case of Utrecht Artists' Watercolors, is generally due to the amount that touches the skin and is subsequently absorbed into the body. The systemic dose, measured in mg/kg of body weight, is compared with the toxic dose-response determined in laboratory studies.

If the systemic dose is 100 times lower than the dose in animals that causes no harm, the risk to humans is judged acceptable. In the case of Utrecht Artists' Watercolors, when the systemic dose is judged 100-fold lower than the no effect level, (NOEL), in animals, a designation of "no significant toxicity" is made.

The following lists each Utrecht Artists' Watercolor along with its risk characterization.

All Utrecht Artists' Watercolors are judged safe for use under typical studio and educational settings.

In the Appendix A list, the Utrecht Artists' Watercolors are followed by the risk characterization.



Utrecht Artists' Watercolors with “*slight toxicity*”

- Burnt Yellow (PY150) - Slight toxicity, (Nickel azo yellow). Do not spray apply.
- Cadmium Orange (PO20) - Slight toxicity, (Cadmium sulfoselenide orange). Do not spray apply.
- Cadmium Red Deep (PR108) - Slight toxicity, (Cadmium sulfoselenide red). Do not spray apply.
- Cadmium Red Light (PR108) - Slight toxicity, (Cadmium sulfoselenide red). Do not spray apply.
- Cadmium Red Medium (PR108) - Slight toxicity, (Cadmium sulfoselenide red). Do not spray apply.
- Cadmium Yellow Deep (PO20) - Slight toxicity, (Cadmium sulfoselenide orange). Do not spray apply.
- Cadmium Yellow Light (PY37) - Slight toxicity, (Cadmium sulphide). Do not spray apply.
- Cadmium Yellow Medium Pure (PY35) - Slight toxicity, (Cadmium zinc sulphide). Do not spray apply.
- Cerulean Blue (PB35) - Slight toxicity, (Cobalt stannate). Do not spray apply.
- Cerulean Blue Chromium (PB36) - Slight toxicity, (Cobalt chromite). Do not spray apply.
- Cobalt Blue (PB28) - Slight toxicity, (Cobalt aluminate). Do not spray apply.
- Cobalt Teal (PG50) - Slight toxicity, (Cobalt titanate green). Do not spray apply.
- Intense Pink (PR122) - Slight toxicity, (2,9-Dimethylquinacridone). Do not spray apply.
- Manganese Violet (PV16) - Slight toxicity, (Manganese ammonium pyrophosphate). Do not spray apply.
- Naples Yellow Hue (PY43, PY35) - Slight toxicity, (Hydrated ferric oxide; Cadmium yellow). Do not spray apply.



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Prussian Blue (PB27) - Slight toxicity, (Beta copper phthalocyanine). Do not spray apply.

Prussian Green (PB27, PY150) - Slight toxicity, (Beta copper phthalocyanine, Monoazo nickel complex). Do not spray apply.



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Utrecht Artists' Watercolors with “no significant toxicity”

These products are “AP Approved” by ACMI²

Alizarin Crimson (PR83) - No significant toxicity, (Alizarin crimson).

Buff White (PBr7, PW6) - No significant toxicity, (Brown iron oxide, Titanium dioxide).

Burnt Sienna (PBr7) - No significant toxicity, (Brown iron oxide).

Burnt Umber (PBr7) - No significant toxicity, (Brown iron oxide).

Chromium Green (PG17) - No significant toxicity, (Chromium sesquioxide).

Davey's Gray (PY42, PBk7, PBk19) - No significant toxicity, (Yellow iron oxide; Brown iron oxide; Aluminum silicate, hydrated).

Dioxazine Purple (PV23RS) - No significant toxicity, (Fast violet RL).

English Yellow (PY216) - No significant toxicity, (Solaplex yellow).

French Ultramarine Blue (PB29) - No significant toxicity, (Polysulfide of sodium, potassium, lithium or silver alumino-silicate).

Golden Earth (PO48, PY3) - No significant toxicity, (Quinacridone gold; Fast yellow 10G).

Hansa Yellow Deep (PY65) - No significant toxicity, (Permanent yellow RN).

Hookers Green (PG8) - No significant toxicity, (Azo nitroso iron complex).

Indian Red (PR101) - No significant toxicity, (Calcined synthetic red iron oxide).

Indian Yellow (PY153) - No significant toxicity, (Nickel dioxime).

Indigo Blue (Vat Blue 1) - No significant toxicity, (Indigo).

Iron Oxide Yellow (PY42) - No significant toxicity, (Yellow iron oxide).

Ivory Black (PBk9) - No significant toxicity, (Bone black).

² The Art & Creative Materials Institute, Inc., 1280 Main Street, P.O. Box 479, Hanson, MA 02341



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- Lamp Black (PBk6) - No significant toxicity, (Carbon black).
- Lemon Yellow (PY3) - No significant toxicity, (Fast yellow 10G).
- Manganese Blue Hue (PB15:3, PW4) - No significant toxicity, (Copper phthalocyanine; Zinc oxide).
- Neutral Tint (PB15, PBk6, PV19) - No significant toxicity, (Copper phthalocyanine; Carbon black; Quinacridone).
- Olive Green (PG7, PY42) - No significant toxicity, (Phthalocyanine green; Yellow iron oxide).
- Payne's Gray (PBk9, PB29) - No significant toxicity, (Bone black; Polysulfide of sodium, potassium, lithium or silver alumino-silicate).
- Perione Orange (PO43) - No significant toxicity, (Vat orange 7).
- Permanent Alizarin Crimson (PR177) - No significant toxicity, (Anthraquinone).
- Permanent Green Light (PY3, PG7) - No significant toxicity, (Fast yellow 10G; Phthalocyanine green).
- Permanent Sap Green (PG7, PO48) - No significant toxicity, (Phthalocyanine green; Quinacridone gold).
- Permanent Violet (PV23RS, PV29) - No significant toxicity, (Fast violet RL; Polysulfide of sodium, potassium, lithium or silver alumino-silicate).
- Permanent White (PW6) - No significant toxicity, (Titanium dioxide).
- Phthalo Blue (PB15:3) - No significant toxicity, (Copper phthalocyanine).
- Phthalo Green (PG7) - No significant toxicity, (Phthalocyanine green).
- Quinacridone Magenta (PR122) - No significant toxicity, (2,9-Dimethylquinacridone).
- Quinacridone Red (PV19RS) - No significant toxicity, (Quinacridone).
- Quinacridone Violet (PV19) - No significant toxicity, (Quinacridone).
- Raw Sienna (PBr7) - No significant toxicity, (Brown iron oxide).
- Raw Umber (PBr7) - No significant toxicity, (Brown iron oxide).



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Sepia (PBk6, PBk7) - No significant toxicity, (Carbon black; Iron oxide).

Spring Green (PG 7, PY3) - No significant toxicity, (Phthalocyanine green, Arylide yellow 10G).

Terra Verte (PG23) - No significant toxicity, (Green earth).

Turquoise Green (PB16) - No significant toxicity, (Metal free phthalocyanine).

Ultramarine Blue (PB29) - No significant toxicity, (Polysulfide of sodium, potassium, lithium or silver alumino-silicate).

Venetian Red (PR101) - No significant toxicity, (Ferric oxide).

Viridian Hue (PG18, PG7) - No significant toxicity, (Chromium oxide hydrate; Brown iron oxide).