MATERIAL SAFETY DATA SHEET
Utrecht Artists' Acrylic Colors

MSDS 901.7
Date: March 31, 2013

Information: 800-223-9132
or: 609-409-8002

Section 1 – Company and Product Identification

Utrecht Art Supply
6 Corporate Drive
Cranbury, NJ 08512

Product Line: Utrecht Artists' Acrylic Colors, AC-100
5003 Utrecht Artists' Acrylics Color Theory Set
5004 Utrecht Artists' Acrylics Portrait Set
5005 Utrecht Artists' Acrylics Landscape Set
5006 Utrecht Complete Artists' Acrylic Painting Set
5007 Utrecht Artists' Acrylics Wood Box Set
5009 Utrecht Artists' Acrylics Basic Color Set
Container sizes are generally 2 ounce, 5 ounce, pint and gallon.

See Appendix A for individual acrylic paint pigments and their associated toxicity.
Appendix B notes ACMI[1] required label cautionary statements.

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

General statement of toxicity
Utrecht Artists' Acrylic Colors generally are not harmful when in contact with the skin. Certain pigments made with cadmium are potentially harmful if inhaled, but there is minimal risk in normal use. These paints should not be spray applied and if dust is generated from operations such as sanding dried pigment, respiratory protection (dust mask) should be used. As a general rule, wear respiratory protection for all operations that generate dust (e.g., sanding dry paint) and apply with brush only.

Formulation overview
Utrecht Artists' Acrylic Colors are formulated with acrylic binder, pigment and other proprietary components. A typical formula may include 50% acrylic binder plus co-polymer, 30% pigment and 20% proprietary ingredients.

[1] ACMI: The Art & Creative Material Institute, Inc., 1280 Main Street, PO Box 479, Hanson, MA 02341

Toxicity associated with pigments
Pigment toxicity reflects individual chemical components. These are noted in Appendix A. Those materials listed as Chemicals Known to the State of California to Cause Cancer or Reproductive Toxicity under PROP 65[2] are listed separately. Specific label precautionary statements are noted in Appendix B.

Section 3 – Hazardous Component Information (hazard identification)

Appendix A lists Utrecht Artists' Acrylic Colors pigments. Toxic risks reflect inherent component hazards with the estimated exposures. The Risk Characterization for each paint product is noted in the preamble to Appendix A. In general, there is low risk of toxicity from skin exposure. Pigments with metals such as cadmium or manganese compounds should not be inhaled; thus, the guidance "Do not breath dust. Do not spray apply." While specific to such pigments, this guidance applies to all artist paints in general. Appendix B lists additional label precautionary statements required by the Art & Creative Materials Institute (ACMI).

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	Remove to fresh air; if subject is unresponsive seek immediate medical help.
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 acrylic paints are water-based and do not represent significant fire hazards.

Flash point, ºC:	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 (other than 1 gallon) would result in a spill commensurate with the definition of 'accidental release.'

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

[2] The Safe Drinking Water and Toxic Enforcement Act of 1986

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' Acrylic Colors does not require special Personnel Protection Equipment (PPE). Wash hands to remove skin exposure, should it occur.

Section 9 – Physical/Chemical Properties

Utrecht Artists' Acrylic Colors are water-based formulations incorporating a variety of pigments (see Appendix A).

Section 10 – Stability and Reactivity

Utrecht Artists' Acrylic Colors are considered stable and non-reactive.

Section 11 – Toxicology Information

Utrecht Artists' Acrylic Colors generally have low toxicity. Some pigments have a risk of adverse effects if excessive inhalation exposure occurs. In general, avoid inhalation exposure by not applying as a spray and by wearing respiratory protection if previous work is sanded. Appendix A lists the acrylic colors and their associated toxicity determined by risk characterization. In general, these paints are considered non-toxic at the anticipated levels of exposure (i.e., skin exposure, generally restricted to the hands).

Toxicity associated with specific formula components

Cadmium:	Prop 65-cancer listing (10/1/87) Prop 65-developmental toxicity listing, male (5/1/97) May cause lung, kidney, and liver damage
Cobalt:	Prop 65-cancer listing (7/1/92; cobalt [II] oxide)
Lead:	Prop 65-cancer listing (10/1/92)
Manganese:	Overexposure may affect the central nervous system and lungs. Symptoms include transitory psychosis, tiredness, weakness and pneumonitis.

Section 12 – Ecological Information

Toxicity to animals, fish and insects are not available.

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

Section 13 – Disposal Considerations

Under typical use situations, Utrecht Artists' Acrylic Colors should be used up rather than disposed. If discarded, these products are not considered hazardous waste in the usual volumes available; however, minimize environmental contamination. In general, first wipe brushes on a rag or paper towel, then rinse in a small container of water and wipe again on a rag or paper towel. For final cleaning, use three containers consisting of soapy water, an initial rinse and a final rinse. Dispose of liquid waste in accordance with local regulations. Where buildup of such compounds as cadmium, barium, lead, chromium, cyanide, selenium or mercury is suspected, the waste water should be treated as Hazardous Waste in accordance with local regulations.

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: March 31, 2013

Appendix A: Pigments and Associated Toxicity

Risk Characterization

The potential adverse effects of various pigments are determined through a 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' Acrylic Colors, is generally the amount deposited on the skin and the subsequent absorbed into the body. The systemic dose, measured in mg/kg 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' Acrylic Colors 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 the Utrecht Artists' Acrylic Colors along with its Color Index, where available. The risk characterization is noted and the primary chemical component(s) upon which this risk is based is noted in parentheses.

All Utrecht Artists' Acrylic Colors are judged safe for use under typical studio and educational settings. This includes pigments that carry the PROP 65 warning on their label, (pigments containing cadmium, lead, or cobalt [II] oxide).

Where "slightly" toxic is noted, this refers to unexpected excessive exposure from breathing dust or paint spray. In these cases the following cautionary statements are noted: "Do not breath dust. Do not spray apply." All PROP 65 listed chemicals ar categorized as "slight toxicity."

The designation "slight toxicity" does not reflect a quantitative comparison to other pigments; thus, the following list does not rank toxicities.

Appendix A lists each Utrecht Artists' Acrylic Color name followed by the Color Index of its pigment or pigments in parentheses. The risk characterization follows, "slight toxicity" or "no significant toxicity," followed by the identity of the pigment or pigments in parentheses. Product label cautionary statements, judged necessary by ACMI, are noted in Appendix B.

Appendix A

Pigments listed under California's PROP 65

(Chemicals Known to the State of California to Cause Cancer or Reproductive Toxicity)

Cadmium Green (Color Indices: PG7, PY37) Item(s): 1261; 2261 - Slight toxicity, (Phthalocyanine green; Cadmium sulfide) Do not breathe dust. Do not spray apply.

Cadmium Orange Pure (Color Index: PO20) Item(s): 1533; 2433; 3733 - Slight toxicity, (Cadmium sulfoselenide orange) Do not breathe dust. Do not spray apply.

Cadmium Red Extra Deep Pure (Color Index: PR108) Item(s): 1645; 2645; 3645 - Slight toxicity, (Cadmium sulfoselenide red) Do not breathe dust. Do not spray apply.

Cadmium Red Light Pure (Color Index: PR108) Item(s): 1643; 2543; 3843 - Slight toxicity, (Cadmium sulfoselenide red) Do not breathe dust. Do not spray apply.

Cadmium Red Medium (Color Index: PR108) Item(s): 1644; 2544; 3844 - Slight toxicity, (Cadmium sulfoselenide red) Do not breathe dust. Do not spray apply.

Cadmium Yellow Deep Pure (Color Indices: PO20, PY37) Item(s): 1328 - Slight toxicity, (Cadmium sulfoselenide orange; Cadmium sulphide) Do not breathe dust. Do not spray apply.

Cadmium Yellow Lemon Pure (Color Index: PY37) Item(s): 1325; 2325 - Slight toxicity, (Cadmium sulphide) Do not breathe dust. Do not spray apply.

Cadmium Yellow Light Pure (Color Index: PY37) Item(s): 1326; 2326; 3626 - Slight toxicity, (Cadmium sulphide) Do not breathe dust. Do not spray apply.

Cadmium Yellow Medium (Color Index: PY37) Item(s): 1327; 2327; 3627 - Slight toxicity, (Cadmium sulphide) Do not breathe dust. Do not spray apply.

Cobalt Blue (Color Index: PB28) Item(s): 1355; 2555; 3655 - Slight toxicity, (Cobalt aluminate) Do not breathe dust. Do not spray apply.

Pigments with "slight toxicity"

Cerulean Blue Chromium Pure (Color Index: PB36) Item(s): 1357; 2357; 3557 - Slight toxicity, (Cobalt chromite). Do not breathe dust. Do not spray apply.

Pigments with "no significant toxicity"

These products are "AP Approved" by ACMI[3]

Alizarin Crimson Hue (Color Indices: PV19, PR101) Item(s): 1248, 2248, 3448 - No significant toxicity, (Quinacridone, Ferric oxide).

Azo Yellow Medium (Color Index: PY73) Item(s): 1223 - No significant toxicity, (Pigment yellow 73).

Azo Yellow Orange (Color Index: PY83) Item(s): 1224 - No significant Toxicity, (Diarylide yellow HR).

Brilliant Blue (Color Indices: PB15:3) Item(s): 1252; 2252; 3252 - No significant toxicity, (Copper phthalocyanine).

Brilliant Green (Color Index: PY73) Item(s): 1160; 2160; 3360 - No significant toxicity, (Pigment yellow 73).

Burnt Sienna (Color Index: PR101) Item(s): 1184; 2184; 3384 - No significant toxicity, (Ferric oxide).

Burnt Umber (Color Index: PBr7) Item(s): 1188; 2188; 3388 - No significant toxicity, (Brown iron oxide).

Cadmium Orange Hue (Color Indices: PY1, PO43) Item(s): 1330; 2330; 3330 - No significant toxicity, (Hansa yellow G; Vat orange 7).

Cadmium Red Hue (Color Indices: PY73, PR112, PW4) Item(s): 1140, 2140, 3340 - No significant toxicity, (Pigment yellow 73; Naphthol red AS-D, Zinc oxide).

Cadmium Yellow Hue (Color Indices: PY73; PW4) Item(s): 1120, 2120, 3320 - No significant toxicity, (Pigment yellow 73; Zinc oxide).

Cerulean Blue Hue (Color Indices: PB15, PW4) Item(s): 1150, 2150, 3350 - No significant toxicity, (Copper phthalocyanine; Zinc oxide).

Chromium Oxide Green (Color Index: PG17) Item(s): 1252, 2262, 3462 - No significant toxicity, (Chromium sesquinoxide).

Cobalt Blue Hue (Color Index: PB29) Item(s): 1251, 2251, 3251 - No significant toxicity, (Sodium alumino sulpho silicate).

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

Dioxazine Purple (Color Index: PV23RS) Item(s): 1375, 2475, 3675 - No significant toxicity, (Fast violet RL).

Emerald Green (PG7, PY97, PW6) Item(s): - No significant toxicity, (Phthalocyanine green; Pigment yellow 97; Titanium dioxide).

Hansa Yellow Light (PY73, PW4) Item(s): - No significant toxicity, (Pigment yellow 73; Zinc oxide).

Hansa Yellow Pale (Color Index: PY3) Item(s): 1421, 2421, 3421 - No significant toxicity, (Fast yellow 10G).

Hooker's Green Hue (Color Indices: PG7, PY42) Item(s): 1263, 2263, 3463 - No significant toxicity, (Phthalocyanine green; Yellow iron oxide).

Indo Orange Red (Color Index: PO43) Item(s): 1337 - No significant toxicity, (Vat orange 7).

Iridescent Antique Bronze - Item(s): 1343 - No significant toxicity, (Synthetic coated mica).

Iridescent Antique Copper - Item(s): 1347 - No significant toxicity, (Synthetic coated mica).

Iridescent Antique Gold - Item(s): 1340 - No significant toxicity, (Synthetic coated mica).

Iridescent Antique Silver - Item(s): 1348 - No significant toxicity, (Synthetic coated mica).

Iridescent Bronze - Item(s): 1344 - No significant toxicity, (Synthetic coated mica).

Iridescent Copper - Item(s): 1341 - No significant toxicity, (Synthetic coated mica).

Iridescent Gold - Item(s): 1345, 2340, 3240 - No significant toxicity, (Synthetic coated mica).

Iridescent Russet - Item(s): 1349 - No significant toxicity, (Synthetic coated mica).

Iridescent Silver - Item(s): 1342, 2242, 3242 - No significant toxicity, (Synthetic coated mica).

Iridescent White - Item(s): 1346 - No significant toxicity, (Synthetic coated mica).


Material Safety Data Sheet 901.7 – Utrecht Artists' Acrylic Colors, March 31, 2013

Ivory Black (Color Index: PBk9) Item(s): 1191, 2191, 3391 - No significant toxicity, (Bone black).

Light Portrait Pink (Color Index: PW6) Item(s): 1241, 2241, 3141 - No significant toxicity, (Titanium dioxide).

Mars Black (Color Index: PBk11) Item(s): 1192, 2192, 3392 - No significant toxicity, (Iron oxide black).

Medium Gray (Color Indices: PBk9, PBr7, PW6) Item(s): 1195 - No significant toxicity, (Bone black; Brown iron oxide; Titanium dioxide).

Naphthol Crimson (Color Index: PR170) Item(s): 1246, 2246, 3442 - No significant toxicity, (Naphthol red AS).

Naphthol Red Light (Color Index: PR112) Item(s): 1240, 2240, 3441 - No significant toxicity, (Naphthol red AS-D).

Payne's Gray (Color Indices: PBk9, PB29) Item(s): 1193, 2193, 3393 - No significant toxicity, (Bone black; Sodium alumino sulpho silicate).

Permanent Bronze - Item(s): 1336 - No significant toxicity, (Synthetic coated mica).

Permanent Gold - Item(s): 1335 - No significant toxicity, (Synthetic coated mica).

Permanent Green (Color Indices: PG7, PY3) Item(s): 1461, 2461, 3461 - No significant toxicity, (Phthalocyanine Green; Fast yellow 10G).

Permanent Silver - Item(s): 1334 - No significant toxicity, (Synthetic coated mica).

Permanent Violet (Color Indices: PV23RS, PV29) Item(s): 1472, 2472, 3472 - No significant toxicity, (Fast violet RL; Anthraquinone).

Phthalo Blue Green Shade (Color Index: PB15:3) Item(s): 1254, 2254, 3454 - No significant toxicity, (Copper phthalocyanine).

Phthalo Green Blue Shade (Color Index: PG7) Item(s): 1267, 2267, 3467 - No significant toxicity, (Phthalocyanine Green).

Quinacridone Red (Color Index: PV19RS) Item(s): 1448, 2448, 3448 - No significant toxicity, (Quinacridone).

Quinacridone Violet (Color Index: PV19) Item(s): 1471, 2471, 3671 - No significant toxicity, (Quinacridone).

Raw Sienna (Color Index: PBr7) Item(s): 1183, 2183, 3383 - No significant toxicity, (Brown iron oxide).

Raw Umber (Color Index: PBr7) Item(s): - No significant toxicity, (Brown iron oxide).

Titanium White (Color Index: PW6) Item(s): - No significant toxicity, (Titanium dioxide).

Turquoise (Color Indices: PG7, PB15) Item(s): 1266, 2266, 3266 - No significant toxicity, (Phthalocyanine Green; Copper phthalocyanine).

Ultramarine Blue (Color Index: PB29) Item(s): 1151, 2151, 3351 - No significant toxicity, (Sodium alumino sulpho silicate).

Unbleached Titanium Hue (Color Indices: PBr7, PW6, PW4) Item(s): 1299, 2299, 3299 - No significant toxicity, (Brown iron oxide; Titanium dioxide; Zinc oxide).

Venetian Red (Color Index: PR101) Item(s): 1186, 2186, 3386 - No significant toxicity, (Ferric oxide).

Viridian Hue (Color Indices: PG7, PBr7, PW6) Item(s): 1264, 2264, 3264 - No significant toxicity, (Phthalocyanine green; Brown iron oxide; Titanium dioxide).

Yellow Ochre (Color Index: PY42) Item(s): - No significant toxicity, (Yellow iron oxide).

Appendix B: Supplemental Label Precautionary Statements Mandated by ACMI

Below are label warnings that appear on specific Utrecht Dry Pigment products.

Precautionary Statement 1

Applicable Pigments: Cadmium Green
Cadmium Yellow Lemon
Cadmium Yellow Light
Cadmium Yellow Medium
Cadmium Yellow Deep Pure
Cadmium Orange
Cadmium Red Light
Cadmium Red Light Pure
Cadmium Red Medium
Cadmium Red Medium Pure
Cadmium Red Extra Deep Pure

Conforms to ASTM D4236 & ASTM D4302 Standards.
Warning: May cause harm to the developing fetus. Do not spray apply. This product contains cadmium, a chemical known to the State of California to cause cancer by means of inhalation.
Contains: Cadmium
Precautions: Avoid using if pregnant or contemplating pregnancy. Not for use by children. For further health information contact a poison control center or call 1- 877-UTRECHT.
Dries water resistant and flexible
Thin with water and/or Utrecht Acrylic Mediums. Don't mix with oil colors, turpentine, oil medium or varnishes. Keep brushes wet while working. Clean brushes with mild soap and water.

Precautionary Statement 2

Applicable Pigments: Cadmium Yellow Medium
Cadmium Yellow Deep
Cadmium Red Extra Deep

Conforms to ASTM D4236 & ASTM D4302 Standards.
Warning: May be harmful if swallowed. Exposure may cause harm to the developing fetus.
Contains: Cadmium
First Aid Treatment: If swallowed, get prompt medical attention. For further health information contact a poison control center or call 1-800-223-9132.
Warning: Do not spray apply. This product contains cadmium, a chemical known to the State of California to cause cancer by means of inhalation.

Precautionary Statement 3

Applicable pigment: Cobalt Blue

Conforms to ASTM D4236 & ASTM D4302 Standards
Warning: Exposure may cause harm to the developing fetus.
Contains: Cadmium
Precautions: Avoid using if pregnant or contemplating pregnancy. Not for use by children.
First Aid Treatment: If swallowed, get prompt medical attention. For further health information contact a poison control center or call 877-UTRECHT.
Warning: This product contains cadmium, a chemical known to the state of California to cause cancer.

Precautionary Statement 4

Applicable pigment: Cadmium Red Extra Deep Pure
Cadmium Yellow Medium

Conforms to ASTM D4236 & ASTM D5098 Standards.
Warning: Exposure may cause harm to the developing fetus.
Contains: Cadmium.
Precautions: Avoid using if pregnant or contemplating pregnancy. Not for use by children. For further health information contact a poison control center or Utrecht.
WARNING: Do not spray apply. This product contains cadmium, a chemical know to the State Of California to cause cancer by means of inhalation.

Material Safety Data Sheet 901.7 – Utrecht Artists' Acrylic Colors, March 31, 2013

Dries water resistant and flexible
Thin with water and/or Utrecht Acrylic Mediums. Don't mix with oil colors, turpentine, oil medium or varnishes. Keep brushes wet while working. Clean brushes with mild soap and water.