

MATERIAL SAFETY DATA SHEET
Utrecht Acrylic Mediums & Varnish



MSDS 903.1
Date: May 3, 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 Acrylic Mediums & Varnish

Gloss Medium & Varnish
Matte Medium
Iridescent Tinting Medium
Opaque Acrylic Gel
Gloss Acrylic Gel
Matte Acrylic Gel
Modeling Paste & Extender

Container sizes: 5 ounce, Pint, Quart, Gallon

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

General statement of toxicity

Acrylic Mediums and Varnish do not contain pigments and do not have significant toxicity. 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 Acrylic Mediums and Varnish are formulated with acrylic polymer emulsion and other proprietary components.



Section 3 – Hazardous Component Information (hazard identification)

Appendix A lists the seven Utrecht Acrylic Mediums and Varnish. The predominant component of these products is acrylic polymer, which has low inherent toxicity. The Risk Characterization used to assign the level of risk for each Acrylic Medium and Varnish 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 Acrylic Mediums and Varnish 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 Acrylic Mediums and Varnish, (maximum of one gallon), 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 Acrylic Mediums and Varnish does not require special Personal Protection Equipment, (PPE). Disposable gloves are recommended to minimize skin contact. Wash hands to remove skin exposure, should it occur. Do not use solvents on skin.

Section 9 – Physical/Chemical Properties

Acrylic Mediums and Varnish are acrylic resin-based formulations incorporating a variety of proprietary components.

Section 10 – Stability and Reactivity

Acrylic Mediums and Varnish are considered stable and non-reactive.

Section 11 – Toxicology Information

Acrylic Mediums and Varnish have low toxicity. There are no heavy metal-base pigments in these formulations. Appendix A lists the Acrylic Mediums and Varnish and their associated toxicity determined by risk characterization. All products have “no significant toxicity.”

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, Acrylic Mediums and Varnish should be used up rather than disposed. Residual product can be washed from brushes in soap and water. These products are not considered hazardous waste.

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

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Appendix A: Utrecht Acrylic Mediums & Varnish - Product Toxicity

Risk Characterization

The potential adverse effects of Acrylic Mediums and Varnish 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 Acrylic Mediums and Varnish, 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 Acrylic Mediums and Varnish, 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 Acrylic Medium and Varnish along with its risk characterization. In all cases the primary component of note is acrylic resin.

All Utrecht Acrylic Mediums and Varnish are judged safe for use under typical studio and educational settings.

In the Appendix A list, the Utrecht Acrylic Mediums and Varnish followed the risk characterization. These products have “no significant toxicity” since the main component is acrylic polymer.



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Acrylic Mediums and Varnish with “no significant toxicity”

These products are “AP Approved” by ACMI¹

Gloss Acrylic Gel - No significant toxicity, (Acrylic polymer emulsion)

Gloss Medium & Varnish - No significant toxicity, (Acrylic polymer emulsion)

Iridescent Tinting Medium - No significant toxicity, (Acrylic polymer emulsion)

Matte Acrylic Gel - No significant toxicity, (Acrylic polymer emulsion)

Matte Medium - No significant toxicity, (Acrylic polymer emulsion)

Modeling Paste & Extender - No significant toxicity, (Acrylic polymer emulsion)

Opaque Acrylic Gel - No significant toxicity, (Acrylic polymer emulsion)

¹ The Art & Creative Materials Institute, Inc., 1280 Main Street, P.O. Box 479, Hanson, MA 02341