

MATERIAL SAFETY DATA SHEET
Utrecht Stand Oil Medium



MSDS 913.0
Date: June 17, 2011

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

Section 1 – Company and Product Identification

Utrecht Art Supply
6 Corporate Drive
Cranbury, NJ 08512

Product: Utrecht Stand Oil Medium (Item 34345, Pint; 34346, Quart)

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

General statement of toxicity

Utrecht Stand Oil does not contain pigments and does 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

The general process for formulating stand oil involves heating linseed oil, a triglyceride, to approximately 300°C for a few days in the complete absence of air. During this process polyunsaturated fatty esters convert to conjugated dienes, which then undergo Diels-Alder reactions, leading to crosslinking. These crosslinks result in a product that is highly viscous and which results in uniform coatings that are more elastic than linseed oil itself.

Section 3 – Hazardous Component Information (hazard identification)

Appendix A notes Utrecht Stand Oil and its toxicity. As a derivative of purified vegetable oil (linseed oil) it has low toxicity. The Risk Characterization used to assign the level of risk for this oil medium 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 Stand oil is not recommended to be spray applied. If, however, a person shows adverse effects in situations where the product is being sprayed without respiratory protection, remove person to fresh air and seek 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

Utrecht Stand Oil is combustible (flash point above 100°C).

- Flash point, °C: >230°C (446°F)
- Auto-ignition Temperature: NA
- Lower explosive limit: NA
- Upper explosive limit: NA
- Extinguishing media: Carbon dioxide, foam, dry chemical

Stand oil does not present a risk of spontaneous combustion (e.g., when rags containing stand oil are stored).

Section 6 – Accidental Release Measures

Do not discard oil mediums in the sink.

- Spill Procedure: Contain spillage; for moderate amount of spillage, absorb the stand oil with rags.

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 Stand Oil does not require special Personal Protection Equipment, (PPE). Wash hands with soap and water to remove skin residues.

Section 9 – Physical/Chemical Properties

Form: semi-liquid
Color: pale/golden
Density: approximately 0.96 g/cm³
Vapor Pressure: < 1 mbar
Solubility in water: insoluble

Section 10 – Stability and Reactivity

Utrecht Stand Oil is considered stable and non-reactive.

Section 11 – Toxicology Information

Utrecht Stand Oil has low toxicity and is listed as “no significant toxicity” in Appendix A.

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/ cleanup

Under typical use situations, Utrecht Stand Oil should be used up rather than disposed. Residual product can be removed from brushes with appropriate solvents (e.g., mineral spirits or turpentine). This product is not considered hazardous waste.

Section 14 – Transport Information

No restrictive Department of Transportation requirements for land shipment.



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 Stand Oil Medium

Risk Characterization

The potential adverse effects of Utrecht Stand Oil 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 Stand Oil, 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 Stand Oil, 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 risk characterization of Utrecht Stand Oil follows. It is judged safe for use under typical studio and educational settings.

In the Appendix A, Utrecht Stand Oil is noted as having “no significant toxicity” since the main component is vegetable oil (linseed) that has been heated to promote polymerization.

Oil Mediums with “no significant toxicity”

This product is “AP Approved” by ACMI¹

Utrecht Stand Oil - No significant toxicity (Polymerized linseed oil, CAS 67746-08-1).

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