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MATERIAL SAFETY DATA SHEET:
The Artist's BrushMate® Brush Cleaner

I. PRODUCT & COMPANY INFORMATION

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September 15, 2005

PRODUCT NAME: The Artist's BrushMate® Brush Cleaner

COMPANY NAME: HELIX USA, Ltd.
1161 N. Ellis St.
Bensenville, IL 60106
630.860.3801
www.helixusa.com

24-HR EMERGENCY: Chem-Tel, Inc. 800-255-3924

USE OF PRODUCT: A specialized cleaner for removing paint and paint residue from paint brushes either via manual cleaning or in conjunction with The Artist's BrushMate® power paintbrush cleaning equipment.

II. INGREDIENT INFORMATION

Based upon chemical analysis, The Artist's BrushMate® Brush Cleaner contains no known EPA priority pollutants, heavy metals, or chemicals listed under RCRA, CERCLA, or CWA. Analysis by TCLP (Toxicity Characteristic Leaching Procedure) according to RCRA revealed no toxic organic or inorganic constituents.

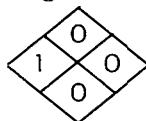
All components of The Artist's BrushMate® Brush Cleaner are listed on the TSCA Chemical Substance Inventory.

III. HAZARDS IDENTIFICATION

UN Number: Not required // Dangerous Goods Class: Nonhazardous

Hazard Rating (NFPA/HMIS)

Health = 1* Reactivity = 0
Fire = 0 Special = 0



Rating Scale

0 = minimal 1 = slight
2 = moderate 3 = serious
4 = severe

*Mild eye irritant, non-mutagenic and non-carcinogenic. None of the ingredients in The Artist's BrushMate® Brush Cleaner are regulated or listed as potential cancer agents by Federal OSHA, NTP, or IARC.

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IV. FIRST AID MEASURES

SYMPTOMS OF OVEREXPOSURE AND FIRST AID TREATMENT

- Eye contact:** Rinse the eye with cool water; continue 10-15 minutes or until the material has been removed; be sure to remove contact lenses, if present, and to lift upper and lower lids during rinsing. Moisturizing eye drops may be used if dryness occurs. Get medical attention if irritation persists.
- Skin contact:** Minimal effects, if any; rinse skin with water, rinse shoes and launder clothing before reuse. Reversible reddening may occur in some dermal-sensitive users; thoroughly rinse area and get medical attention if reaction persists.
- Swallowing:** Essentially non-toxic. Give several glasses of water to dilute; do not induce vomiting. If stomach upset occurs, consult physician.
- Inhalation:** Non-toxic. Exposures to concentrate-mist may cause mild irritation of nasal passages or throat; remove to fresh air. Get medical attention if irritation persists.
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V. FIRE FIGHTING MEASURES

The Artist's BrushMate® Brush Cleaner is stable, not flammable, and will not burn.

- Flash Point/Auto-ignition:** Not flammable.
- Flammability Limits:** Not flammable.
- Extinguishing Media:** Not flammable/nonexplosive. No special procedures required.
- Special Fire Fighting Procedures:** None required.
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VI. ACCIDENTAL RELEASE MEASURES

Recover usable material by convenient method; residual may be removed by wipe or wet mop. If necessary, unrecoverable material may be washed to drain with large quantities of water.

VII. HANDLING, STORAGE & TRANSPORT INFORMATION

No special precautions are required. **This product is non-hazardous for storage and transport according to the U.S. Department of Transportation Regulations.** The Artist's BrushMate® Brush Cleaner requires no special labeling or placarding to meet U.S. Department of Transportation requirements.

- UN Number:** Not required
- Dangerous Goods Class:** Nonhazardous
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VIII. EXPOSURE CONTROLS

Exposure Limits: The Artist's BrushMate® Brush Cleaner formulation presents no health hazards to the user when used according to label directions for its intended purposes. Mild skin and eye irritation is possible (please see Eye contact and Skin contact in Section IV.).

Ventilation: No special ventilation is required during use. Large-scale uses indoors should provide an increased rate of air exchange.

Human Health Effects or Risks from Exposure: Adverse effects on human health are not expected from The Artist's BrushMate® Brush Cleaner, based upon twenty years of use without reported adverse health incidence in diverse population groups, including extensive use by inmates of U.S. Federal prisons in cleaning operations.

The Artist's BrushMate® Brush Cleaner is a mild eye irritant; mucous membranes may become irritated by concentrate-mist.

The Artist's BrushMate® Brush Cleaner is not likely to irritate the skin in the majority of users. Repeated daily application to the skin without rinsing, or continuous contact of The Artist's BrushMate® Brush Cleaner on the skin may lead to temporary, but reversible, irritation.

Medical Conditions Aggravated by Exposure: No aggravation of existing medical conditions is expected; dermally-sensitive users may react to dermal contact by The Artist's BrushMate® Brush Cleaner.

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Page 3 of 4**IX. PERSONAL PROTECTION**

Precautionary Measures: No special requirements under normal use conditions.

Eye Protection: Caution, including reasonable eye protection, should always be used to avoid eye contact where splashing may occur.

Skin Protection: No special precautions required; rinse completely from skin after contact.

Respiratory Protection: No special precautions required except during large-scale spray applications where spray mist levels are high.

Work and Hygienic Practices: Wash or rinse hands before touching eyes or contact lenses. Follow standard hygienic practices for handling cleaning agents.

X. PHYSICAL AND CHEMICAL PROPERTIES

Appearance/odor:: Clear liquid **Vapor Pressure:** 18 mm Hg @ 20 °C; 23.5 mm Hg @ 26 °C

Specific Gravity: 1.020 **Vapor Density:** 1.3 (air = 1)

pH: 8.0 **Density:** 8.5 lbs./gallon

Evaporation: >1 (butyl acetate = 1)

Boiling Point: 100.6 °C (212 °F)

Freezing Point: -9 °C (16 °F) If product freezes, it will reconstitute without loss of efficacy when brought back to room temperature and agitated.

VOC Composite Partial Pressure: 0 mm Hg @ 20 °C

Volatile Organic Compounds (VOCs): 0 g/L per ASTM Method D-2369.

Water Solubility: Completely soluble in water.

Detection: The Artist's BrushMate® Brush Cleaner has a characteristic odor that is not indicative of any hazardous situation.

XI. STABILITY AND REACTIVITY INFORMATION

Nonreactive. The Artist's BrushMate® Brush Cleaner is stable, even under fire conditions, and will not react with water or oxidizers. Hazardous polymerization will not occur.

XII. TOXICOLOGICAL INFORMATION

The information and conclusions cited in this section are based on data and testing of a previously marketed cleaner. The data are directly applicable to The Artist's BrushMate® Brush Cleaner because, except for the fragrance and dyes which have been removed, it contains the same ingredients as the previously tested cleaner.

Nonhuman Toxicity: Oral LD₅₀ (rat): >5.0 g/kg body weight // Dermal LD₅₀ (rabbit): >2.0 g/kg body weight

Dermal Irritation: Only mild but reversible irritation was found in a standard 72-hr test on rabbits. A value of 0.2 (non-irritating) was found on a scale of 8.

Eye Irritation: With or without rinsing with water, the irritation scores in rabbits at 24 hours did not exceed 15 (mild irritant) on a scale of 110.

Subchronic dermal effects: No adverse effects, except reversible dermal irritation, were found in rabbits exposed to The Artist's BrushMate® Brush Cleaner (up to 2.0 g/kg/day for 13 weeks) applied to the skin of 25 males and 25 females. Only female body weight gain was affected. Detailed microscopic examination of all major tissues showed no adverse changes.

Fertility Assessment by Continuous Breeding: The Artist's BrushMate® Brush Cleaner formulation had no adverse effect on fertility and reproduction in CD-1 mice with continuous administration for 18 weeks, and had no adverse effect on the reproductive performance of their offspring.

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XIII. BIODEGRADABILITY AND ENVIRONMENTAL TOXICITY INFORMATION

Biodegradability:

The Artist's BrushMate® Brush Cleaner is readily decomposed by naturally occurring microorganisms. The biological oxygen demand (BOD), as a percentage of the chemical oxygen demand (COD), after 4, 7, and 11 days was 56%, 60%, and 70%, respectively. Per OECD Closed Bottle Test, The Artist's BrushMate® Brush Cleaner meets OECD and EPA recommendations for ready biodegradability.

In a standard biodegradation test with soils from three different countries, Butyl Cellosolve reached 50% degradation in 6 to 23 days, depending upon soil type, and exceeded the rate of degradation for glucose, which was used as a control for comparison.

Environmental Toxicity Information:

The Artist's BrushMate® Brush Cleaner is considered practically non-toxic per EPA's aquatic toxicity scale.

XIV. DISPOSAL CONSIDERATIONS

The Artist's BrushMate® Brush Cleaner is fully water soluble and biodegradable and will not harm sewage-treatment microorganisms if disposal by sewer or drain is necessary. Dispose of in accordance with all applicable local, state, and federal laws. **Be aware that mixing paints into the Artist's BrushMate® Cleaner may alter the environmental characteristics of the resulting rinseate, and care should be taken to assure proper disposal.

XV. OTHER INFORMATION

Containers: The Artist's BrushMate® Brush Cleaner residues can be completely removed by rinsing with water; the container may be recycled or applied to other uses.

Contact Point: **HELIX USA, Ltd.**
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