

**J. B. Jewitt Co., Inc.**  
**Homestead Finishing Products**

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 Cleveland OH 44102-2673  
 Telephone: (216) 631-5309

**Emergency Assistance**

For emergency assistance involving this product call – 216-631-5309

**Section 1: Product Identification**

**Product Name: TransTint® 6010 Red Mahogany**

**MSDS #: 6010**

**Date Issued: July 17, 2004**

**Original**  **Update**

**Reason For Change:**

**Section 2: Hazardous Ingredients**

<b>Hazardous Ingredients</b>	<b>CAS Number</b>	<b>OSHA PEL</b> (Permissible exposure limit)	<b>ACGIH TLV</b> (Threshold limit value)	<b>% By Weight</b>
Chromium complex dye	Confidential	Not established	Not established	20-30%
Propanoic acid, 2-hydroxy-, ethyl ester	97-64-3	Not established	Not established	10-20%
Ethanol, 2-(2-butoxyethoxy)-	112-34-5	Not established	Not established	10-20%
2-Propanol, 1-methoxy	107-98-2	100 ppm	369 mg/m <sup>3</sup> (skin)	25-30%
2- Furanmethanol, tetrahydro	97-99-4	Not established	Not established	1-5%
Ethanol, 2-propoxy-	2807-30-9	Not established	Not established	1-5%
1,2-Propanediol	57-55-6	Not established	Not established	1-5%
2- Furanmethanol, tetrahydro	97-99-4	Not established	Not established	1-5%
1-Propanol, 2-methoxy	1589-47-5	Not established	Not established	0-1%

**Note:** All health hazard components above 1% composition and all carcinogens above 0.1% (1000 ppm) composition are listed.

**Section 3: Hazard Identification**

**EMERGENCY OVERVIEW:** WARNING! This product is HAZARDOUS by OSHA Hazard Communication definition. May cause skin, eye and respiratory tract irritation. May be harmful if inhaled, absorbed through the skin or swallowed. Excessive exposures may cause central nervous system disorders and produce anesthetic or narcotic effects. May cause blood disorders.

**Hazard Rating:** NFPA  HMIS   
**Health:** 2\*  
**Flammability:** 2  
**Reactivity:** 0  
**PPE:** G

**Hazard Rating Scale:**

0= Minimal  
 1= Slight  
 2= Moderate  
 3= Serious  
 4= Severe

*Note: NFPA and HMIS ratings involve data and interpretations that may vary from company to company. They are intended only for rapid, general identification of the specific hazard. To deal adequately with the safe handling of this, or any, material, all the information in the MSDS must be considered and interpreted by a trained professional.*

**Potential Health Effects:**

- This material has **not been** tested as a whole. The data contained below is based on the properties of the individual components.  
 This material has been tested as a whole. The data below is based on the properties of the mixture.

**Main Routes of Exposure:**

- Inhalation  Ingestion  
 Skin Absorption  Skin or Eye Contact

**Effects of Acute (Immediate) Exposure:**

Eye Contact ..... May cause moderate eye irritation with corneal injury.  
 Ingestion..... Swallowing may produce gastrointestinal irritation and signs of intoxication, characterized by drowsiness, headache, nausea and metabolic acidosis.  
 Inhalation..... Can cause irritation to nose, throat and lungs. Inhalation of organic solvents can cause coughing, sore throat, and runny nose, headache, dullness and dizziness. May cause central nervous system depression. May cause blood disorders based on animal studies.  
 Skin Contact..... Mild skin irritant. Prolonged contact can cause de-fatting of skin rendering it susceptible to irritation by other substances. Harmful if absorbed. May cause blood disorders based on animal studies.

**Effects of Chronic(Long Term) Exposure:**

Inhalation..... Chronic exposure to organic solvents has been associated with various nervous system damage including permanent memory loss, loss of intellectual ability and loss of coordination. May cause decreased male fertility. May cause developmental or other harmful effects. May cause blood disorders based on animal studies.  
 Ingestion..... May cause developmental or other harmful disorders.  
 Skin Contact..... Prolonged contact may cause dermatitis by de-fatting of skin from prolonged or repeated contact. May cause blood disorders based on animal studies.

**Medical Conditions Aggravated by Exposure :**

Any pre-existing disorders or diseases of the respiratory system, central nervous system, skin, eyes, liver, kidney and./or blood.

**Target Organs Affected:**

Central Nervous System, respiratory system, skin, eyes and blood

The components of this material are considered Carcinogenic by:

Not Known

National Toxicology Program (NTP)

The International Agency for Research on Cancer (IARC)

The Occupational Health and Safety Administration (OSHA)

#### Section 4: First Aid Measures

Eye Contact.....	In case of contact, immediately flush eyes with plenty of water for at least 15 minutes, holding eyelids open to rinse completely. Get medical aid.
Ingestion.....	Potential for aspiration if swallowed. Give plenty of water to drink. Get medical aid immediately. Never give anything by mouth to an unconscious person.
Inhalation.....	If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical aid.
Skin Contact.....	In case of contact, flush skin with plenty of soap and water. Remove contaminated clothing and shoes. Get medical aid if irritation, redness, swelling or skin pain develops and persists. Wash clothing before re-use.
** Note to the Physician:.....	None.

#### Section 5: Fire Fighting Measures

Flash Point Deg. C <input type="checkbox"/> F <input checked="" type="checkbox"/>	> 141°
Auto – Ignition Temperature.....	Not determined
Upper Flammable Limit (% Vol).....	Not determined
Lower Flammable Limit (% Vol).....	Not determined
Extinguishing Media.....	Use water spray, dry chemical, carbon dioxide or foam. Cool containers with water until well after the fire is out.
Hazardous Combustion Products.....	Oxides of carbon and nitrogen and other toxic vapors

#### General Information:

Firefighters should wear full protective equipment and positive pressure self-contained breathing apparatus in pressure-demand mode. Vapors may form an explosive mixture with air. Vapors are heavier than air and may travel to a source of ignition and flash back. Vapors can spread along the ground and collect in low areas. Use water spray to cool fire-exposed container surfaces.

#### Section 6: Accidental Release Measures

Spill / Leak.....	Use proper personal protective equipment as indicated in Section 8. Stop flow of material. Absorb with inert material (e.g. “oil dry”, sand, earth or other suitable absorbent), then place into a suitable container. Clean up spills immediately. Provide ventilation. Remove all sources of ignition. Use a spark-proof tool. Prevent from entering floor drains or sewers. Do not release any chemicals, dyes, or dye solutions of any type to sewers or any waterways without proper authorization from government agencies. Make appropriate notifications as required.
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#### Section 7: Handling and Storage

Handling Procedures.....	Maintain good personal hygiene. Wash hands and face thoroughly after handling, and before eating, drinking or
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using tobacco products. Remove contaminated clothing and wash before re-use. Avoid contact with eyes, skin and clothing. Keep containers tightly closed. Use only with adequate ventilation. Avoid breathing vapor or mist.

Storage Needs..... Observe local regulations. Store in a cool (<150°F), dry, well-ventilated area away from incompatible materials. Keep containers closed when not in use. Keep away from direct sunlight, heat, sparks or open flames. Keep from freezing.

### Section 8: Exposure Controls / Personal Protection

When selecting personal protective equipment and clothing, follow all manufacturer specifications and recommendations that apply to your specific operations and processing conditions. Take into consideration all working conditions and all chemicals to be handled or processed.

Eye / Type..... Wear splash-proof chemical safety goggles. Contact lenses should not be worn when working with chemicals.

Respiratory /Type..... A half-face or full-face NIOSH-approved respirator with organic vapor cartridge is recommended where exposures exceed TLV.

Gloves / Type..... Wear chemical resistant gloves such as butyl rubber or nitrile.

Clothing / Type..... Wear long sleeved garment such as a lab coat to prevent skin exposure.

Other / Type..... Facilities using or storing this product should be equipped with an eyewash facility and safety shower within 100 feet from work area.

Ventilation Requirements..... Local exhaust ventilation is required to keep exposures below TLV.

### Section 9: Physical and Chemical Properties

Appearance/Odor..... Brown liquid, alcohol odor

Specific Gravity..... Not determined

Vapor Pressure ..... Not determined

Vapor Density ..... Heavier than air

Evaporation Rate..... Not determined

Boiling Point ..... Not determined

Solubility in Water (%W/W)..... Miscible

Freezing Point (deg. C  F  )..... Not determined

Melting Point (deg. C  F  )..... Not determined

### Section 10: Stability and Reactivity

Hazardous Polymerization..... Will not occur

Stability..... Stable

Incompatibility..... Strong oxidizing and reducing agents, acids and alkalis. 1-Methoxy-2-Propanol may react with oxygen to form peroxides.

Conditions to Avoid..... Ignition sources, excess heat

Hazardous Products of Decomposition.... Oxides of carbon and nitrogen and other toxic vapors

### Section 11: Toxicology Information

Irritancy of Material..... May cause moderate eye irritation and skin irritation.

Sensitizing Capability of Material..... Not known

Carcinogenicity of Material..... See Section 3

Teratogenicity ..... Not known

Mutagenicity..... Not known

Reproductive Effects..... For Ethylene glycol monopropyl ether (CAS# 2807-30-9): (Rats): Inhalation of 400 ppm of 6 hrs/day on day 6-15 of

pregnancy was found to cause musculoskeletal system defects in offspring. (NTIS study)

(Mice): Oral dose of 16 gm/kg on day 7-14 of pregnancy was found to cause stillbirth of offspring. (NTIS study)

For 2-Methoxy-1-Propanol (CAS# 1589-47-5):

(Rabbits): Has been shown to cause developmental effects in offspring of female rabbits exposed to 0, 145, 225, 350 and 545 ppm by inhalation during pregnancy. 145 ppm was the no observed effects level (NOEL) in this study.

The acetate of 2-methoxy-1-propanol also has been tested for developmental effects. Information for the acetate of 2-methoxy-1-propanol is pertinent since the acetate portion of this molecule is quickly removed in a living organism to yield 2-methoxy-1-propanol. Rabbits exposed to concentrations of 0, 36, 145 or 550 ppm developed or bore offspring that showed malformations of sternum, paws, major blood vessels and the heart at the highest exposure level. 145 ppm was the no observed effects level (NOEL) in this study.

(Rats): The acetate of 2-methoxy-1-propanol also has been tested for developmental effects. Information for the acetate of 2-methoxy-1-propanol is pertinent since the acetate portion of this molecule is quickly removed in a living organism to yield 2-methoxy-1-propanol. The offspring of rats exposed to concentrations of 0, 110, 550 or 2700 ppm developed vertebral incisions at the highest exposure level, in the presence of maternal toxicity. 145 ppm was the no observed effects level (NOEL) in this study.

Synergistic Materials..... Not known

### Section 12: Ecology Information

Environmental.....	Volatile and water-soluble. Expect low toxicity in aquatic organisms.
Biodegradability.....	Should be biodegradable after an acclimation period. Not expected to be persistent or bioaccumulative. Avoid accidental release. Ethanol, 2-propoxy- (CAS# 2807-30-9) has a high biological oxygen demand (BOD) and a potential to cause oxygen depletion in aqueous systems. When diluted with a large quantity of water, it is not expected to have a significant impact when released in the environment.

### Section 13: Disposal Considerations

Waste Disposal .....	Classified as listed is an ignitable hazardous waste (D001) when disposed as supplied. Waste generators must consult with federal, state and local hazardous waste regulations to ensure complete and accurate classification.
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### Section 14: Transport Information

U. N. # .....	Not applicable
D.O.T. Classification .....	ORM-D (if packaged in containers less than 1L)

<b>Section 15: Regulatory Information</b>
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|--|---|
| <input checked="" type="checkbox"/> <b>TSCA</b>                        | <input checked="" type="checkbox"/> Components of this product are listed on the TSCA Inventory or are exempt.  |
| <input checked="" type="checkbox"/> <b>CERCLA</b>                      | <input checked="" type="checkbox"/> Chromium, chromium compounds: No RQ is assigned to this generic class of compounds, although the class is a CERCLA hazardous substance.   |
| <input checked="" type="checkbox"/> <b>SARA TITLE III</b>              | <input checked="" type="checkbox"/> This product is considered, under applicable definitions, to meet the following categories:<br><u>Section 311/312:</u><br>Immediate/acute health hazard, delayed/chronic health hazard, reactive<br><br><u>Section 313:</u><br>This product contains a toxic chemical(s) for routine annual toxic chemical release reporting under Section 313 (40 CFR 372). This information must be included in all MSDS's copied or distributed for this material:<br>Chromium compounds (~3%), glycol ethers (reporting threshold = 1%) |
| <input checked="" type="checkbox"/> <b>CALIFORNIA PROPOSITION 65</b>   | <input checked="" type="checkbox"/> This product does not contain chemicals listed as carcinogens or reproductive toxins at levels which could be subject to Proposition 65.  |
| <input checked="" type="checkbox"/> <b>STATE RIGHT-TO-KNOW LISTING</b> | <input checked="" type="checkbox"/> <u>California:</u><br>None listed<br><br><u>Florida:</u><br>None listed<br><br><u>Massachusetts:</u><br>2-Propanol, 1-methoxy (CAS # 107-98-2)<br><br><u>Minnesota:</u><br>None listed<br><br><u>New Jersey:</u><br>Ethanol, 2-propoxy- (CAS# 2807-30-9)<br>2-Propanol, 1-methoxy (CAS # 107-98-2)<br><br><u>Pennsylvania:</u><br>Ethanol, 2-propoxy- (CAS# 2807-30-9)<br>1,2-Propanediol (CAS# 57-55-6)<br>2-Propanol, 1-methoxy (CAS # 107-98-2)  |
| <input checked="" type="checkbox"/> <b>CANADA</b>                      | <input checked="" type="checkbox"/> <u>Domestic Substances List:</u><br>All ingredients are on DSL<br><br><u>WHMIS classification:</u><br>B-3, D-2-B  |

<b>Section 16: Other Information</b>
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**The information and recommendations contained herein are based upon data believed to be correct. However, no guarantee or warranty of any kind, expressed or implied, is made with respect to the information contained herein. This information is based on the material as manufactured, it may not be valid for this material if used in combination with any other materials or in any process. J.B.**

**Jewitt Co., Inc./Homestead Finishing Products shall not be held liable for any damage resulting from handling or from contact with the product(s).**