

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

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Emergency Assistance

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

Section 1: Product Identification

Product Name: TransTint® 6002 Golden Brown

MSDS #: 6002

Date Issued: August 23rd, 2010

Original **Update**

Reason For Change: General regulatory update

Section 2: Hazardous Ingredients

Hazardous Ingredients	CAS Number	OSHA PEL (Permissible exposure limit)	ACGIH TLV (Threshold limit value)	% By Weight	EU Symbol/ Classifications
2-Propoxyethanol	2807-30-9	Not established	Not established	40-60	XN; R21/R36
Proprietary chromium complex (Cr ⁺³) dye compounds	Proprietary	0.5 mg/m ³ (as Cr ⁺³)	0.5 mg/m ³ (as Cr ⁺³)	20-35	Not classified
Diethylene glycol monobutyl ether	112-34-5	Not established	Not established	10-20	XI; R36
1,2-Propanediol	57-55-6	Not established	Not established	0-5	Not classified
2- Furanmethanol, tetrahydro	97-99-4	Not established	Not established	0-5	XI; R36
Propanol, 1(or 2)-(2-methoxymethylethoxy)-	34590-94-8	Not established	Not established	<1.0	Not classified

* TWA = Time weighted average, STEL= Short Term Exposure Limit

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: 1

Reactivity: 0

Hazard Rating Scale:

0= Minimal

1= Slight

2= Moderate

PPE: G

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. Some trivalent chromium (Cr ⁺³) products have demonstrated a slight skin sensitizing potential.

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. Exposure to chromium and certain chromium compounds may cause cumulative lung damage.
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 :

Persons with breathing and lung problems can be affected by breathing in any type of chemical vapor or mist. Persons with asthma, allergies, or other breathing-related problems should stay away from, not handle, and not be exposed to any product vapors or mists as a precautionary measure.

Target Organs Affected:

Blood, respiratory system, skin, eyes and central nervous system

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.....	If swallowed, give 3-4 glasses of water but do not induce vomiting. If vomiting occurs, give water again. Never give anything by mouth to an unconscious person. Potential for aspiration if swallowed. Get medical aid immediately. Have physician determine whether vomiting or stomach evacuation is necessary.
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"/>	>143 degrees
Auto – Ignition Temperature.....	Not determined
Upper Flammable Limit (% Vol).....	Not determined
Lower Flammable Limit (% Vol).....	Not determined
Extinguishing Media.....	Use water fog, dry chemical, carbon dioxide or foam. Cool containers with water until well after the fire is out.
Hazardous Combustion Products.....	Oxides of carbon, 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. 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
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thoroughly after handling, and before eating, drinking or using tobacco products. Remove contaminated clothing and wash before re-use. Avoid contact with eyes, skin and clothing. Keep containers tightly closed. Do not cut, weld, braze, solder, drill, grind or expose empty containers to heat, sparks or open flames. Use only with adequate ventilation. Avoid breathing vapor or mist.

Storage Needs..... Observe local regulations. Store in a cool (<100°F), dry, well-ventilated area away from incompatible materials. Keep containers closed when not in use. Keep away from heat, sparks or open flames. 2-Propoxy ethanol can form unstable peroxides upon prolonged exposure to air. Keep from freezing. Keep from contact with oxidizing materials.

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 or safety glasses with side shields. 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 neoprene.

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, solvent odor

Density (Specific Gravity) 8.74pounds/gallon (1.05 g/ml)

Vapor Pressure/Vapor Density Not determined

Product VOC..... 5.4 pounds (648 g/l)

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

pH..... Not determined

Flash Point..... >143°F

Flammability..... Not determined

Autoflammability..... Not determined

Explosive Properties Not determined

Oxidizing Properties..... Not determined

Partition Coefficient Not determined

Section 10: Stability and Reactivity

Hazardous Polymerization..... Will not occur

Stability..... Stable

Incompatibility..... Strong oxidizing agents, strong acids, strong bases

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 skin, eye and respiratory irritation.
Sensitizing Capability of Material.....	Not determined
Carcinogenicity of Material.....	See Section 3
Teratogenicity	Not known
Mutagenicity.....	Not known
Reproductive Effects.....	For 2-Propoxy ethanol (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)
Synergistic Materials.....	Not known

Section 12: Ecology Information

Environmental.....	Volatile and water-soluble.
Biodegradability.....	Should be biodegradable after an acclimation period. Not expected to be persistent or bioaccumulative. Avoid accidental release. 2-Propoxy ethanol (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	May be classified as a listed waste (D007, chromium) 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. #	NA 1993
D.O.T. Classification	Not regulated if transported by ground (Non-bulk) Combustible liquids, NOS (contains 2-propoxyethanol), 3, PG III (if shipped in containers >119 gallon)
IATA.....	Not regulated

Section 15: Regulatory Information

<input checked="" type="checkbox"/> TSCA	<input checked="" type="checkbox"/> Components of this product are listed on the TSCA Inventory or are exempt.
<input checked="" type="checkbox"/> CERCLA	<input checked="" type="checkbox"/> Glycol ether compounds: Listed, no RQ assigned 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"/> SARA TITLE III	<input checked="" type="checkbox"/> This product is considered, under applicable definitions, to meet the following categories: <u>Section 311/312:</u> Immediate/acute health hazard Delayed/chronic health hazard

Section 313:

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 MSDSs copied or distributed for this material:

2-Propoxyethanol (CAS# 2807-30-9)

Diethylene glycol monobutyl ether (CAS# 112-34-5)

Chromium compounds

 CALIFORNIA PROPOSITION 65

WARNING: This product contains chemicals known to the State of California to cause cancer, birth defects or other reproductive harm.

 STATE RIGHT-TO-KNOW LISTING

Florida:
None listed

Illinois:

Propanol, 1(or 2)-(2-methoxymethylethoxy)-
(CAS# 34590-94-8)

Massachusetts:

Propanol, 1(or 2)-(2-methoxymethylethoxy)-
(CAS# 34590-94-8)
2- Furanmethanol, tetrahydro (CAS# 97-99-4)

Minnesota:

Propanol, 1(or 2)-(2-methoxymethylethoxy)-
(CAS# 34590-94-8)
1,2-Propanediol (CAS# 57-55-6)

New Jersey:

Ethanol, 2-propoxy- (CAS# 2807-30-9)
Propanol, 1(or 2)-(2-methoxymethylethoxy)-
(CAS# 34590-94-8)
1,2-Propanediol (CAS# 57-55-6)

Pennsylvania:

Propanol, 1(or 2)-(2-methoxymethylethoxy)-
(CAS# 34590-94-8)
Ethanol, 2-propoxy- (CAS# 2807-30-9)
1,2-Propanediol (CAS# 57-55-6)
2- Furanmethanol, tetrahydro (CAS# 97-99-4)

Rhode Island:

1,2-Propanediol (CAS# 57-55-6)

 CANADA

Domestic Substances List:
Not determined

WHMIS classification:

Not determined

EUROPEAN INFORMATION

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- R21 Harmful
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- R36 Irritating to eyes
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- S7/S9 Keep container tightly closed and in a well-ventilated area
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- S24/S25 Avoid contact with skin and eyes
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- S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
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- S28 After contact with skin wash immediately with plenty of water
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- S36/S37/S39 Wear suitable protective clothing, gloves and eye protection
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Section 16: Other Information

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).