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Homestead Finishing Products
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Telephone: (216) 631-5309

Emergency Assistance

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

Section 1: Product Identification

Product Name: TransTint™ 6021 Bright Red
MSDS #: 6021
Date Issued: July 12, 2004
Original ☐ Update ☒
Reason For Change: Updated regulatory information

Section 2: Hazardous Ingredients

Hazardous Ingredients	CAS Number	OSHA PEL (Permissible exposure limit)	ACGIH TWA (Threshold limit value)	% By Weight
2-Propanol, 1-methoxy	107-98-2	100 ppm	369 mg/m^3 (skin)	45-55%
1-Propanol, 2-methoxy	1589-47-5	Not established	Not established	0-1%
Propanoic acid, 2-hydroxy-, ethyl ester	97-64-3	Not established	Not established	25-30%
Proprietary chromium complex dye compound	Confidential	Not established	Not established	10-20%

* 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 irritation. Prolonged skin contact with high amounts may cause drowsiness. Combustible liquid.

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 eye irritation. Corneal injury is unlikely.
Ingestion.....	May cause mild stomach upset.
Inhalation.....	May cause upper respiratory system irritation. May cause drowsiness.
Skin Absorption.....	May be absorbed through the skin.
Skin Contact.....	May cause skin irritation.

Effects of Chronic(Long Term) Exposure:

Inhalation……..	Not applicable.
Skin Contact.....	Not applicable.

Medical Conditions Aggravated by Exposure :
None known

Target Organs Affected:
None identified

The components of this material are considered Carcinogenic by:
☒ **Not Applicable**

☐ **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.....	Give plenty of water to drink. Get medical aid immediately. Do not induce vomiting. Never give anything by mouth to an unconscious or convulsing 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, wipe away excess material with dry towel. Wash skin with plenty of soap and water. Get medical aid if irritation develops and persists. Remove contaminated clothing and shoes. Wash clothing before re-use.
**** Note to the Physician:.....**	None.

Section 5: Fire Fighting Measures

Flash Point Deg. C☐ F☒	> 106^{o}
Auto – Ignition Temperature.....	Not determined

Upper Flammable Limit (% Vol).....	Not determined
Lower Flammable Limit (% Vol).....	Not determined
Extinguishing Media.....	Use water spray, carbon dioxide, dry chemical or foam. Cool containers with water until well after the fire is out.
Hazardous Combustion Products.....	Oxides of carbon, nitrogen and sulfur, chlorine compounds 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.

Section 7: Handling and Storage

Handling Procedures.....	Maintain good personal hygiene. Wash hands and face 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. Use only with adequate ventilation.
Storage Needs.....	Observe local regulations. Store in a cool ($<104^{o}$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.....	Explosion-proof local exhaust ventilation is required to keep exposures below TLV.

Section 9: Physical and Chemical Properties

Appearance/Odor	Red liquid, no odor
Specific Gravity	0.97 g/cm^3
Vapor Pressure	~ 0.1 mbar at 20^{o}C
Vapor Density	Not determined
Evaporation Rate	Not determined
Boiling Point	>110^{o}C
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 agents, strong acids, strong bases
Conditions to Avoid	Ignition sources, excess heat. 1-Methoxy-2-Propanol may react with oxygen to form peroxides.
Hazardous Products of Decomposition	Oxides of carbon and nitrogen and other toxic vapors

Section 11: Toxicology Information

Irritancy of Material	Mild irritant
Sensitizing Capability of Material	Not known
Carcinogenicity of Material	See Section 3
Teratogenicity	Not known
Mutagenicity	Not known
Reproductive Effects	For 2-Propanol, 1-methoxy (CAS# 107-98-2): (Rats, Mice and Rabbits): Exposure to 0.04 to 2 mg/kg/day during the first 18-21 days of gestation were found to cause no effects in mice and rabbits; delayed ossification was seen in the rat. (Rats): Inhalation of 3000 ppm of 6 hrs/day on day 6-15 of pregnancy was found to cause delayed ossification in offspring. Reproductive Effects (Rats and Rabbits): Inhalation Exposure to male rats and rabbits of 300, 1000 or 3000 ppm 6 hrs/day for 13 weeks did not show evidence of testicular effects. 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. Moderately toxic to aquatic organisms. Prevent spillage or leakage to a body of water.
(Zebra fish): 96 hour LC50=1.5 mg/L
(Waste water bacteria): IC50=400 mg/L

Biodegradability..... Bioelimination > 90% (DOC analysis). Eliminated by adsorption on effluent treatment sludge.

Section 13: Disposal Considerations

Waste Disposal ..... Not classified as hazardous under OSHA regulations when disposed as supplied. Waste generators must consult with federal, state and local hazardous waste regulations to ensure complete and accurate classification.

Section 14: Transport Information

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

Section 15: Regulatory Information

☒ **TSCA** ☒ Components of this product are listed on the TSCA Inventory or are exempt.

☒ **CERCLA** ☒ Not applicable

☒**SARA TITLE III** ☒This product is considered, under applicable definitions, to meet the following categories:
Section 311/312:
Immediate/acute health hazard, fire 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 MSDS's copied or distributed for this material:
Chromium compounds (15.2%)

☒**CALIFORNIA PROPOSITION 65** ☒ This product does not contain any chemicals currently on the California list of Known Carcinogens and Reproductive Toxins.

☒**STATE RIGHT-TO-KNOW LISTING** ☒ California:
None listed

Massachusetts:
2-Propanol, 1-methoxy (CAS # 107-98-2)
Propanoic acid, 2-hydroxy-, ethyl ester (CAS # 97-64-3)

Pennsylvania:
2-Propanol, 1-methoxy (CAS # 107-98-2)
Propanoic acid, 2-hydroxy-, ethyl ester (CAS #97-64-3)

☒ **CANADA**

☒ Domestic Substances List:
This product contains only chemicals that are currently on the Canadian Domestic Substances List.

WHMIS classification:
Not determined

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).