

Section 1: Identification

Product Name: Vitahue Dye® (16oz; Gallon)

Product Code: PW0401900; PW0402100

Recommended Use: Helps achieve a natural non-pink color. For use with all fluids except X-Cel and Triton.

Restrictions on Use: Professional embalmer use only; not for general consumer use.

Manufacturer: TNPC, LLC – Dallas, TX 75236

Distributed by: Pierce Companies – 4722 Bronze Way – Dallas, TX 75236 – (214) 333-4230

Emergency Phone Number: CHEMTREC – (800) 424-9300

Section 2: Hazard(s) Identification

GHS Classification:

- Flammable Liquids, Category 3
- Acute Toxicity (Oral), Category 4
- Specific Target Organ Toxicity - Single Exposure, Category 2

Signal Word: **WARNING**

Hazard Statements:

- H226: Flammable liquid and vapor.
- H302: Harmful if swallowed.
- H371: May cause damage to organs.

Precautionary Statements:

- P210: Keep away from heat, hot surfaces, sparks, open flames, and other ignition sources. No smoking.
- P233: Keep container tightly closed.
- P240: Ground and bond container and receiving equipment.
- P241: Use explosion-proof electrical, ventilating, and lighting equipment.
- P242: Use non-sparking tools.
- P243: Take action to prevent static discharges.
- P264: Wash thoroughly after handling.
- P270: Do not eat, drink, or smoke when using this product.
- P301+P312: IF SWALLOWED: Call a POISON CENTER or doctor if you feel unwell.
- P330: Rinse mouth.
- P308+P311: IF exposed or concerned: Call a POISON CENTER or doctor.
- P370+P378: In case of fire: Use dry chemical, alcohol-resistant foam, or carbon dioxide to extinguish.
- P403+P235: Store in a well-ventilated place. Keep cool.
- P405: Store locked up.
- P501: Dispose of contents/container in accordance with local, regional, national, and international regulations.

Pictograms:



Section 3: Composition/Information on Ingredients

CHEMICAL NAME	CAS NUMBER	% WEIGHT	CLASSIFICATION	Trade Secret Information: Exact % of concentration is withheld to protect Trade Secret Information. Ranges are given in accordance with 29 CFR 1910.1200(i), Appendix E
Methanol	67-56-1	2-12%	Flam Liq 2; Acute Tox 3 (O); STOT SE 1	
Other non-hazardous components	—	87-97%	not classified under GHS	

Section 4: First-Aid Measures

- **Inhalation:** Remove person to fresh air. Keep at rest. Get medical attention immediately if symptoms develop or exposure is significant.

- **Skin/Eye Contact:** For skin, remove contaminated clothing and wash with soap and water. For eyes, rinse carefully with water for at least 15 minutes and remove contact lenses if easy to do. Get medical attention if irritation persists.
- **Ingestion:** Rinse mouth. Do not induce vomiting. Call a poison center or physician immediately.
- **Symptoms/Effects:** May cause headache, dizziness, nausea, drowsiness, central nervous system effects, and toxic effects on organs. Swallowing may be harmful.
- **Physician Notes:** Treat symptomatically. Methanol exposure may require immediate medical evaluation for toxic systemic effects, including visual and central nervous system injury. Consider antidotal therapy and correction of metabolic acidosis where clinically indicated.

Section 5: Fire-fighting Measures

- **Suitable Extinguishing Media:** Dry chemical, alcohol-resistant foam, carbon dioxide, or water fog.
- **Unsuitable Extinguishing Media:** Do not use a direct water stream, as it may spread the fire.
- **Special Hazards Arising from the Chemical:** Combustible liquid. Vapors may form flammable mixtures with air when heated. Containers may rupture when exposed to fire or excessive heat. Burning may produce carbon monoxide, carbon dioxide, and irritating or toxic fumes.
- **Advice for Firefighters:** Wear self-contained breathing apparatus and full protective protective clothing. Cool exposed containers with water spray. Fight fire from a safe distance and use water spray to disperse vapors if needed.

Section 6: Accidental Release Measures

- **Personal Precautions:** Avoid breathing vapors and avoid contact with eyes, skin, and clothing. Eliminate ignition sources. Use appropriate personal protective equipment.
- **Emergency Procedures:** Ventilate area. Isolate spill area. Keep unnecessary personnel away.
- **Methods and Materials for Containment:** Dike or absorb with inert material such as sand, earth, or vermiculite. Prevent entry into drains and waterways.
- **Cleanup Procedures:** Collect absorbed material into suitable labeled containers for disposal. Wash spill area after material pickup while preventing runoff from entering drains or surface waters.

Section 7: Handling and Storage

- **Safe Handling:** Avoid contact with eyes, skin, and clothing. Avoid breathing vapors or mist. Use only with adequate ventilation. Keep away from heat, sparks, open flames, and other ignition sources. Do not eat, drink, or smoke when using this product.
- **Hygiene Measures:** Wash hands thoroughly after handling. Remove contaminated clothing and wash before reuse. Keep product out of reach of unauthorized personnel.
- **Safe Storage:** Store in a cool, well-ventilated place in tightly closed containers. Protect from heat and direct sunlight. Keep away from oxidizers and ignition sources.
- **Incompatibilities:** Strong oxidizing agents, strong acids, strong bases, and materials that may react with alcohols.

Section 8: Exposure Controls/Personal Protection

- **Engineering Controls:** Use general dilution ventilation or local exhaust ventilation to maintain vapor concentrations below occupational exposure limits. Eyewash and safety shower should be available in the work area.
- **Personal Protective Equipment (PPE):**
 - **Gloves:** Chemical-resistant gloves.
 - **Eye/Face Protection:** Safety glasses with side shields or chemical splash goggles.
 - **Respiratory Protection:** If ventilation is inadequate or exposure limits may be exceeded, use a NIOSH-approved organic vapor respirator.
 - **Skin/Body:** Protective clothing as needed to avoid repeated or prolonged skin contact.
- **Exposure Limits Table:**

Component	OSHA PEL	ACGIH TLV	NIOSH REL
Methanol (67-56-1)	200 ppm TWA	200 ppm TWA; 250 ppm STEL	200 ppm TWA; 250 ppm STEL

Section 9: Physical and Chemical Properties

- **Appearance:** Liquid; Opaque deep red-orange solution.
- **Odor:** Mild alcohol/chemical odor.
- **Odor Threshold:** Detectable at low vapor concentration.

- **pH:** 8.16.
- **Melting Point/Freezing Point:** Near 32°F; may be depressed by methanol content.
- **Initial Boiling Point/Boiling Range:** 189°F.
- **Flash Point:** 98°F.
- **Evaporation Rate:** 1.
- **Flammability:** Flammable liquid.
- **Upper/Lower Flammability or Explosive Limits:** LEL: 6%; UEL: 36%.
- **Vapor Pressure:** 94.95 mm Hg @ 75°F.
- **Vapor Density:** 1.10; heavier than air.
- **Relative Density/Specific Gravity:** 0.959 g/mL @ 75°F.
- **Solubility(ies):** Soluble in water.
- **Partition Coefficient: n-octanol/water:** Low; water-methanol mixture remains mainly aqueous.
- **Auto-ignition Temperature:** ~867°F, driven by methanol.
- **Decomposition Temperature:** May decompose under high heat or fire.
- **Viscosity:** Low; thin liquid.

Section 10: Stability and Reactivity

- **Reactivity:** No dangerous reaction expected under normal conditions of use and storage. Vapors may form flammable mixtures with air under elevated temperature or poor ventilation due to methanol content.
- **Chemical Stability:** Stable under normal conditions. Keep container tightly closed. Product remains a dyed liquid under normal storage conditions; heat and evaporation may concentrate combustible vapors.
- **Hazardous Reactions:** Hazardous polymerization is not expected.
- **Conditions to be Avoided:** Heat, sparks, open flames, hot surfaces, static discharge, and poor ventilation.
- **Incompatible Materials:** Strong oxidizing agents, strong acids, strong bases, and reactive metals.
- **Hazardous Decomposition:** Carbon monoxide, carbon dioxide, formaldehyde, and formic acid may be produced during fire, thermal decomposition, or severe oxidation.

Section 11: Toxicological Information

- **Likely Routes of Exposure:** Inhalation, skin contact, eye contact, and ingestion.
- **Chronic Effects:** Repeated or significant exposure to methanol may cause central nervous system effects, visual injury, and organ damage.
- **Acute Toxicity (LD50 & LC50):**
 - **Methanol:** oral LD50 (rat): approximately 5,628 mg/kg; dermal LD50 (rabbit): approximately 15,800 mg/kg; inhalation LC50 (rat, 4 hr): approximately 64,000 ppm.
- **Symptoms/Effect:** Headache, dizziness, nausea, vomiting, drowsiness, irritation, visual disturbance, and central nervous system depression. Severe exposure may cause blindness or death.
- **Regulatory Listings:**
 - **NTP:** Not listed.
 - **IARC:** Not listed as to carcinogenicity.
 - **OSHA:** Not regulated as a carcinogen.

Section 12: Ecological Information

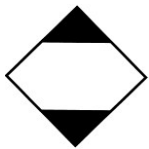
- **Ecotoxicity:** The mixture is not expected to be classified as environmentally hazardous at the supplied composition, but release in large amounts may adversely affect aquatic systems because of solvent oxygen demand and color loading. This is an inference from the low methanol concentration and water-soluble dye mixture.
- **Persistence/Degradability:** Methanol is readily biodegradable. Information for the full mixture is not available.
- **Bioaccumulation Potential:** Methanol has low bioaccumulation potential; log Kow is approximately -0.77 and significant BCF is not expected. Information for the full mixture is not available.
- **Mobility in Soil:** Methanol is expected to be highly mobile in soil and water due to complete miscibility. The mixture is expected to be mobile in water.
- **Other Adverse Effects:** Prevent uncontrolled release to drains, surface water, and soil. Information for the full mixture is not available.

Section 13: Disposal Considerations

- Dispose of in accordance with federal, state, and local regulations.
- Empty containers must not be reused or recycled. Dispose of bottles and residual product in accordance with regulations.
- **Recommended Methods:** Incineration or chemical waste landfill.

Section 14: Transport Information

DOT (Ground Transport): Not regulated
 Notes: Limited Quantity: YES (Permitted for small packaging)
 Labels: Limited Quantity



IMDG (Ocean Transport):
 UN#: UN1993
 UN Proper Shipping Name: Flammable liquid, n.o.s. (Methanol, Formaldehyde)
 Transport Hazard Classes: 3
 Packing Group Number: III
 Environmental Hazards: Marine Pollutant: No
 Notes: Limited Quantity: YES (Permitted for small packaging)
 Labels: Limited Quantity; Flammable Liquid (Class 3)



IATA (Air Transport):
 UN#: UN1993
 UN Proper Shipping Name: Flammable liquid, n.o.s. (Methanol, Formaldehyde)
 Transport Hazard Classes: 3
 Packing Group Number: III
 Environmental Hazards: Marine Pollutant: No
 Notes: Limited Quantity: YES (Permitted for small packaging)
 Labels: Limited Quantity; Flammable Liquid (Class 3)



Section 15: Regulatory Information

TSCA List: Chemical substances are subject to TSCA inventory requirements for commercial use.
EPCRA – Emergency Planning & Community Right-to-Know: Methanol is regulated under EPCRA/CERCLA reporting programs.
CERCLA Reportable Quantity: Methanol has a CERCLA RQ of 5,000 lb; product-level release reporting depends on the amount released.
SARA 302: No Section 302 Extremely Hazardous Substance is present.
SARA 304 Extremely Hazardous Substances Reportable Quantity: No Section 304 EHS RQ applies.
SARA 311/312: Fire hazard; acute toxicity; specific target organ toxicity.
SARA 313: Methanol is subject to EPCRA Section 313 reporting when facility thresholds are met.
California Prop 65: Methanol is listed for developmental toxicity.
US State Regulations: Methanol appears on state right-to-know lists, including Massachusetts, New Jersey, Pennsylvania, and Rhode Island.
Other Regulations: Regulated under OSHA Hazard Communication, TSCA, EPCRA, CERCLA, and applicable state chemical reporting requirements.

Section 16: Other Information

Regulatory Compliance Verification:
 This Safety Data Sheet has been prepared in accordance with and verified for compliance with:

Safety Data Sheet: Vitahue Dye® (PW0401900;2100)

- OSHA Hazard Communication Standard (29 CFR 1910.1200, HazCom 2023)
- Globally Harmonized System (GHS) Revision 11
- U.S. TSCA, EPCRA, CERCLA
- California Proposition 65
- Canadian WHMIS 2022 (GHS-aligned)
- EU REACH Regulation

All hazard classifications, labeling elements, and regulatory disclosures are based solely on the specific formula composition and chemical properties provided for this product.

Hazardous Material Information System III (USA)

Health: 2
Flammability: 2
Physical Hazards: 0
Personal Protection: B

National Fire Protection Association (USA)

Health: 2
Flammability: 2
Instability: 0
Special: -

HMIS ratings are based on a 0-4 scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. Although HMIS ratings are not required on Safety Data Sheets under 29 CFT 1910.1200, the preparer may choose to provide them. HMIS ratings are to be used with a fully implemented HMIS program. HMIS is a registered mark of the National Paint & Coatings Association (NPCA).

Prepared by: Pierce Companies Regulatory Department
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***Notice:** The information in this SDS is believed to be accurate and reliable at the time of preparation, but no guarantee is made that it is complete or that the hazards listed are the only hazards present. Users are responsible for determining the suitability of the product for their intended use, complying with all applicable laws and safety requirements, and considering the effects of use with other materials. Pierce makes no express or implied warranty regarding the product, its merchantability, fitness for a particular purpose, or the accuracy of this information, except that the product will conform to Pierce's specifications. Possession of this SDS does not indicate that the holder purchased or used the product.*