

**Section 1 Identification**

**Product identifiers**

Product names: Freeman Color Tints Orange

**Relevant identified uses**

Colorants

**Details of the supplier of the safety data sheet**

Freeman Manufacturing and Supply Company  
1101 Moore Road, Avon, OH 44011  
Phone (440) 934-1902  
FAX (440) 934-7200

**24 Hour Emergency Phone Number: (800) 424-9300**

**HMIS**

<b>H</b>	1
<b>F</b>	0
<b>R</b>	0
<b>PPE</b>	
Sec. 8	

**Section 2 Hazards Identification**

**GHS Classification in accordance with 29 CFR 1910.1200 (OSHA HCS)**

Specific target organ toxicity (Kidney), repeated exposure - Category 2  
Chronic aquatic toxicity - Category 3

**GHS Label elements, including precautionary statements**

**Hazard Pictogram(s):**



**Signal Word:** Danger

**Hazard statements**

May cause damage to organs (Kidney) through prolonged or repeated exposure if swallowed.  
Harmful to aquatic life with long lasting effects.

**Precautionary statements**

If medical advice is needed, have product container or label at hand.  
Keep out of reach of children.  
Read label before use.  
Do not breathe dust/ fume/ gas/ mist/ vapours/ spray.  
Avoid release to the environment.  
Get medical advice/attention if you feel unwell.  
Dispose of contents/container to an approved waste disposal plant

**Hazards not otherwise classified (HNOC) or not covered by GHS**

None known

**Section 3 Composition/Information on Ingredients**

The following ingredients are hazardous according to Regulation 2012 OSHA Hazard Communication Standard: 29 CFR 1910.1200:

Chemical name	CAS-No.	Concentration (% w/w)
Aromatic amino polyol-Orange	Not Assigned	50 - 70
Diethylene Glycol	111-46-6	5 - 10
4,4'-Diaminodiphenyl Sulfone	80-08-0	1 - 5

**Section 4 First Aid Measures**

<b>If inhaled</b>	Remove source(s) of contamination and move victim to fresh air. If breathing has stopped, give artificial respiration, then oxygen if needed. Contact physician immediately.
<b>In case of skin contact</b>	In case of skin contact, wash thoroughly with soap and water.
<b>In case of eye contact</b>	Flush eyes with plenty of water. If irritation persists, seek medical attention.
<b>If swallowed</b>	Do not induce vomiting unless instructed by a physician. Never give anything by mouth to an unconscious person.

**Section 5 Fire-Fighting Measures**

**Suitable Extinguishing Media**  
 Use water fog, foam, dry chemical or carbon dioxide.

**Special Fire-Fighting Procedures**  
 Use water spray to cool fire-exposed surfaces and to protect personnel. Shut off "fuel" to fire. If a leak or spill has not ignited, use water spray to disperse the vapors. Either allow fire to burn under controlled conditions or extinguish with foam or dry chemical. Try to cover liquid spills with foam. Because fire may produce toxic thermal decomposition products, wear a self-contained breathing apparatus (SCBA) with a full-face piece operated in pressure demand or positive-pressure mode.

**Unusual Fire and Explosion Hazards**  
 None known

**Section 6 Accidental Release Measures**

**Personal precautions, protective equipment and emergency procedures**  
 Only properly protected personnel should remain in the spill area; dike and contain spill. Stop or reduce discharge if it can be done safely.

**Environmental precautions**  
 Stop spill/release if it can be done safely. Prevent spilled material from entering sewers, storm drains or unauthorized drainage systems and natural waterways by using sand, earth, or other appropriate barriers. No special environmental precautions required.

**Methods and material for containment and cleaning up**  
 Put on appropriate protective gear including NIOSH/MSHA approved self-contained breathing apparatus, rubber boots and heavy rubber gloves. Dike and contain spill; absorb or scrape up excess into suitable container for disposal; wash area with dilute ammonia solution. Stop or reduce discharge if it can be done safely. Follow applicable OSHA regulations (29 CFR 1910.120) for disposal.

**Reference to other sections**  
 See Section 3 for Hazardous Ingredients; Section 8 for Exposure Controls; and Section 13 for Disposal.

**Section 7 Handling and Storage**

**Precautions for safe handling**

Use good general housekeeping procedures. Wash hands after use. Do not get in eyes, on skin or on clothing. Do not breathe vapors or mists. Use good personal hygiene practices.

**Conditions for safe storage, including any incompatibilities**

Keep container(s) tightly closed and properly labeled. Store in cool, dry, well ventilated place away from heat, direct sunlight, strong oxidizers and any incompatibles. Store in approved containers and protect against physical damage. Keep containers securely sealed when not in use. Indoor storage should meet OSHA standards and appropriate fire codes. Containers that have been opened must be carefully resealed to prevent leakage. Empty containers retain residue and may be dangerous. Avoid water contamination.

**Specific end use(s)**

These precautions are for room temperature handling. Other uses including elevated temperatures or aerosol/spray applications may require added precautions.

**Section 8 Exposure Controls/Personal Protection**

**Components with workplace control parameters**

Component	CAS-No.	Value	Control Parameters	Basis
Diethylene Glycol	111-46-6	TWA	10 mg/m <sup>3</sup>	US WEEL

**Exposure controls**

**Respiratory Protection**

Respiratory protection is not normally required when using this product with adequate local exhaust ventilation. Where risk assessment shows air-purifying respirators are appropriate, follow OSHA respirator regulations 29 CFR 1910.134 and European Standards EN 141, 143 and 371; wear an MSHA/NIOSH or European Standards EN 141, 143 and 371 approved respirators equipped with appropriate filter cartridges as a backup to engineering controls.

**Hand Protection**

Wear any liquid-tight gloves such as butyl rubber, neoprene or PVC.

**Eye Protection**

Safety glasses with side shields per OSHA eye- and face-protection regulations 29 CFR 1910.133 and European Standard EN166. Contact lenses are not eye protective devices. Appropriate eye protection must be worn instead of, or in conjunction with contact lenses.

**Other Protective Clothing/Equipment**

Additional protective clothing or equipment is not normally required. Provide eye bath and safety shower.

**Comments**

Never eat, drink, or smoke in work areas. Practice good personal hygiene after using this material, especially before eating, drinking, smoking, using the toilet, or applying cosmetics. Wash thoroughly after handling.

**Section 9 Physical and Chemical Properties**

<b>Appearance</b>	Dark orange viscous liquid
<b>Odor</b>	Mild to sweet
<b>Odor Threshold</b>	No data available
<b>pH</b>	Non-aqueous
<b>Melting point</b>	No data available
<b>VOC Content</b>	No data available
<b>Freezing point</b>	No data available
<b>Initial boiling point</b>	>100°C
<b>Flash point</b>	270°C
<b>Evaporation rate</b>	No data available
<b>Flammability (solid, gas)</b>	No data available
<b>Upper/lower flammability</b>	No data available
<b>Vapor Pressure</b>	No data available
<b>Vapor density (Air = 1)</b>	No data available
<b>Relative density (g/cc)</b>	No data available
<b>Water Solubility</b>	No data available
<b>Coefficient: n-octanol/ water</b>	No data available
<b>Auto-ignition temperature</b>	No data available
<b>Viscosity</b>	No data available
<b>Explosive Properties</b>	None
<b>Oxidizing Properties</b>	None

**Section 10 Stability and Reactivity**

**Reactivity**

No hazardous reactions if stored and handled as prescribed/indicated, No corrosive effect on metal. Not fire propagating.

**Chemical stability**

These products are stable at room temperature in closed containers under normal storage and handling conditions.

**Possibility of hazardous reactions**

Hazardous polymerization cannot occur.

**Conditions to avoid**

None known

**Incompatible materials**

Strong bases and acids

**Hazardous decomposition products**

Thermal oxidative decomposition can produce carbon oxides, gasses/vapors, and traces of incompletely burned carbon compounds.

**Section 11 Toxicological Information**

**Information on toxicological effects:**

Skin Corrosion/Irritation:	No data available
Serious Eye Damage/Irritation:	No data available
Respiratory/Skin Sensitization:	No data available

<b>Section 11 Toxicological Information continued</b>	
Germ Cell Mutagenicity:	No data available
Carcinogenicity:	No component of this product at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by IARC, NTP, or OSHA.
Reproductive Toxicity:	No data available
Specific Target Organ Toxicity - Single Exposure:	No data available
Specific Target Organ Toxicity - Repeated Exposure:	No data available
Aspiration Hazard:	No data available
Chronic Exposure:	No data available
Potential Health Effects – Miscellaneous:	No data available
<b>Section 12 Ecological Information</b>	
<b>Ecotoxicity</b>	No data available
<b>Persistence and degradability</b>	No data available
<b>Bioaccumulative potential</b>	No data available
<b>Mobility in soil</b>	No data available
<b>Results of PBT &amp; vPvB assessment</b>	No data available
<b>Section 13 Disposal Considerations</b>	
<p><b>Waste treatment methods</b>            Under Resource Conservation and Recovery Act (RCRA) it is the responsibility of the user of the product to determine at the time of disposal whether the product meets RCRA criteria for hazardous waste as defined in 40 CFR Part 261. Waste management should be in full compliance with federal, State and local laws. Regulations may vary in various locations. Waste characterizations and compliance with applicable laws are the responsibility solely of the waste generator.</p> <p><b>Container disposal</b>            Do not attempt to refill or clean containers since residue is difficult to remove. Do not reuse empty containers.</p>	
<b>Section 14 Transport Information</b>	
Not regulated by DOT, IATA or IMDG	
<b>Section 15 Regulatory Information</b>	
<p><b>REACH: Regulation (EC) No 1907/2006 of The European Parliament and of The Council of December 2006 (including amendments and corrigenda as of 17 February 2016)</b>            This product complies with REACH or is not subject to regulation under REACH. The product does not contain an ingredient listed on either the Candidate List or Authorization List for Substances of Very High Concern (SVHC).</p>	

**Section 15 Regulatory Information continued**

**TSCA Inventory Status (40 CFR710):**

All components of this formulation are listed in the TSCA Inventory. No component of this formulation has been determined to be subject to manufacturing or use restrictions under the Significant New Use Rules (SNURs).

**CERCLA Hazardous Substance List (40 CFR 302.4)**

Ammonium Carbonate, CAS No. 506-87-6 5,000 lb (RQ)

**SARA 302 Components**

No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

**SARA 311/312 Hazards**

Chronic Health Hazard

**SARA 313 Components**

This material does not contain any chemical components with known CAS numbers that exceed the threshold (*de minimis*) reporting levels established by SARA Title III, Section 313.

**California Proposition 65**

This product does not intentionally contain any chemicals known to the state of California to cause cancer, birth defects or other reproductive harm.

**Chemical safety assessment**

No chemical safety assessment has been carried out for this substance/mixture by the supplier.

**Section 16 Other Information**

**Disclaimer**

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