



# MATERIAL SAFETY DATA SHEET

## 1. COMPANY AND PRODUCT IDENTIFICATION

**DUNCAN ENTERPRISES**  
5673 East Shields Avenue  
Fresno, CA 93727  
559-291-4444  
559-291-9444 (Fax)

### EMERGENCY TELEPHONE NUMBERS

Health Emergency: 559-291-4444 7:00 am – 3:30 pm  
Pacific Standard Time  
Spill and Off-Hour  
Health Emergencies: 800-424-9300 U.S. and Canada  
703-527-3887 Outside U.S. and  
Canada (Collect)

**Product Name:** DUNCAN TRANSLUCENT STAINS TS 500 SERIES  
**Product Description:** Oil – Based Stains

## 2. COMPOSITION / INFORMATION ON INGREDIENTS

The ingredients in this formulation are a trade secret. All ingredients in the formula are non-hazardous, unless specified in Sections 3 and 15.

## 3. HAZARDS IDENTIFICATION

### HMIS Hazard Ratings for Product

Health:	1*	0 = Minimal
Flammability:	1	1 = Slight
Reactivity:	0	2 = Moderate
Personal Protection:	See Section 8	3 = Serious
		4 = Severe
		* = Chronic Effects

<u>Ingredient</u>	<u>% Conc. / Wt.</u>	<u>CAS Number</u>	<u>OSHA PEL</u>	<u>ACGIH TLV</u>
Aliphatic Petroleum Distillates	< 10.0	64742 – 47 – 8	5 mg/m <sup>3</sup> TWA	5 mg/m <sup>3</sup> TWA
Octylphenoxypoly – Ethoxyethanol	< 2.70	9036 – 19 - 5		
Cobalt Carboxylate	< 0.05	Trade Secret – NJTSR No. 56705700001 – 5697P		
Manganese Compound	< 0.04	Trade Secret – NJTSR No. 56705700001 – 5680P		
Zirconium Compound	< 0.20	Trade Secret – NJTSR No. 56705700001 – 5074P		
Solvent	< 0.04	Trade Secret – NJTSR No. 56705700001 – 5127P		
2 – Ethylhexanoic Acid	< 0.04	000149 – 57 – 5		
Mineral Spirits	< 0.20	008052 – 41 – 3		

## 4. FIRST AID MEASURES

**Eye Contact:** Flush eyes with large amounts of water until irritation subsides. Consult a physician if irritation persists.

**Skin Contact:** Wash affected skin areas thoroughly with soap and water. Consult a physician if irritation persists.

**Inhalation:** Move subject to fresh air.

**Ingestion:** If swallowed, give two glasses of water to drink. Consult a physician. Never give anything by mouth to an unconscious person.

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### 5. FIRE FIGHTING MEASURES

<b>Autoignition Temperature:</b>	Unknown
<b>Flash Point:</b>	Not Applicable
<b>Upper Explosive Limit (%):</b>	Not Applicable
<b>Lower Explosive Limit (%):</b>	Not Applicable
<b>Extinguisher Media:</b>	CO <sub>2</sub> , Dry Chemical, Foam – Use extinguishing media appropriate for surrounding fire
<b>Special Firefighting Procedures:</b>	Not Applicable
<b>Fire &amp; Explosion Hazards:</b>	Not Applicable
<b>NFPA Flammability Hazard Class:</b>	1 = slight

### 6. ACCIDENTAL RELEASE MEASURES

<b>Spill or Leak Procedures:</b>	Spills should be taken up with suitable absorbent material and placed in containers. Spill areas can be washed with water; collect wash water for approved disposal. Do not flush to storm sewer or waterway.
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For safety and environmental precautions, please review entire Material Safety Data Sheet for necessary information.

### 7. HANDLING AND STORAGE

<b>Storage Temperature:</b>	40° - 100°F
<b>Handling / Storage:</b>	Protect from freezing; keep container sealed when not in use
<b>Ventilation Requirements:</b>	General

### 8. EXPOSURE CONTROL AND PERSONAL PROTECTION

<b>Conditions Under Which Personal Protective Equipment Required:</b>	Normal work conditions, maintenance / repair.
<b>Eye Protection Requirements:</b>	Wear safety glasses with side shields.
<b>Glove Requirements:</b>	Solvent resistant gloves recommended to prevent skin irritation
<b>Clothing Requirements:</b>	Protective clothing is normally not necessary for foreseeable conditions of use.
<b>Change / Removal of Clothing:</b>	None required
<b>Wash Requirements:</b>	Use warm soapy water to remove from skin
<b>Respirator Requirements:</b>	None required under normal handling conditions.
<b>Ventilation Requirements:</b>	General

### 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Pure Material or Mixture:</b>	Mixture
<b>Physical Form:</b>	Viscous liquid
<b>Appearance / Physical Description:</b>	Colored viscous liquid; petroleum odor
<b>Odor Threshold:</b>	Not Available
<b>pH:</b>	7.5 – 8.5
<b>Boiling Point:</b>	> 200°F
<b>Melting / Freezing Point:</b>	< 32°F

**9. PHYSICAL AND CHEMICAL PROPERTIES (Continued)**

<b>Solubility in Water:</b>	Miscible
<b>Partition Coefficient (n-octanol/water):</b>	Not Applicable
<b>Specific Gravity (Water = 1):</b>	1.08 – 1.24
<b>Bulk Density:</b>	9.0 – 10.4 lb / gal
<b>Volatiles:</b>	45 - 60% / wt
<b>Evaporation Rate (Water = 1):</b>	1
<b>Vapor Pressure:</b>	17.5 mm Hg @ 20°C (68°F)
<b>Vapor Density (Air = 1):</b>	0.62
<b>Volatile Organic Compounds:</b>	104 g / l
<b>Autoignition Temperature:</b>	Unknown
<b>Flash Point:</b>	Not Applicable
<b>Oxidizing Properties:</b>	Not Applicable

**10. STABILITY AND REACTIVITY**

<b>Stability:</b>	Stable
<b>Incompatibilities:</b>	Materials that react with water.
<b>NFPA Reactivity Hazard Class:</b>	0 = Insignificant
<b>Hazardous Decomposition Products:</b>	Carbon monoxide, carbon dioxide, aldehydes, Various hydrocarbons
<b>Hazardous Polymerization:</b>	Will not occur.

**11. TOXICOLOGICAL INFORMATION**

**Acute (Short – Term) Effects of Exposure**

<b>Route of Entry</b>	
<b>Acute Effects – Eye:</b>	Can cause eye irritation
<b>Acute Effects – Skin Contact:</b>	Can cause skin irritation
<b>Acute Effects – Inhalation:</b>	Small quantities not likely to cause irritation; large amounts may be harmful.
<b>Acute Effects – Ingestion:</b>	Small quantities not likely to cause irritation; large amounts may be harmful.

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

<b>Chronic Effects – Skin:</b>	Prolonged or repeated contact may dry the skin. Symptoms may include redness, burning, drying, cracking of skin, and skin burns.
<b>Target Organs:</b>	Repeated and prolonged exposure to petroleum distillates can cause kidney damage
<b>Carcinogenicity</b>	None

**12. ECOLOGICAL INFORMATION**

Octylphenoxypolyethoxyethanol, present at below 2.7% in the formulation, is a known marine pollutant.

**13. DISPOSAL CONSIDERATIONS**

<b>Waste Disposal Methods:</b>	Waste disposal should be in accordance with existing Federal, State, and Local environmental regulations.
<b>Empty Container Warnings:</b>	Empty containers may contain product residue; follow MSDS and label warnings even after they have been emptied.

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### 14. TRANSPORT INFORMATION

#### U.S. Department of Transportation Information

DOT Shipping Name: Paints or Stains 149980 Sub. 2  
DOT Hazard Class: Non-hazardous  
DOT Reportable Quantity: None

#### United Nations Information

U.N. Number: None  
U.N. Class: None

### 15. REGULATORY INFORMATION

TSCA: All components are on the TSCA Inventory  
FDA: 21CFR175.105  
SARA/Title III: This product contains no substances at or above the reported threshold under Section 313, based on available data.



Products bearing the Nontoxic Product Seal are certified in a program of toxicological evaluation by a nationally recognized toxicologist to contain no materials in sufficient quantities to be toxic or injurious to humans or to cause acute or chronic health problems. These products are certified to be labeled in accordance with the voluntary chronic hazard labeling standard ASTM D-4236. In addition, there is no physical hazard as defined within 29 CFR Part 1910.1200(c).

### 16. OTHER INFORMATION

#### Table of Abbreviations

ACGIH	American Conference of Governmental Industrial Hygienists
ANSI	American National Standards Institute
ASTM	American Society for Testing Materials
°C	Degrees Centigrade
CAS	Chemical Abstract Service
CERCLA	Comprehensive Environmental Response, Compensation and Liability Act
CFR	Code of Federal Regulations
CPR	Controlled Products Regulations
DOT	Department of Transportation
EPA	Environmental Protection Agency
°F	Degrees Fahrenheit
FDA	Food & Drug Administration
g / l	Grams per liter
Hg	Mercury
HMIS	Hazardous Materials Identification System
IARC	International Agency for Research on Cancer
LD	Lethal Dose
mg / kg	Milligram per kilogram
mm	Millimeter
MSDS	Material Safety Data Sheet
MSHA	Mine Safety and Health Administration
N / A	Not Applicable

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16. OTHER INFORMATION (Continued)

**Table of Abbreviations (Continued)**

<b>NFPA</b>	National Fire Protection Association
<b>NIOSH</b>	National Institute for Occupational Safety and Health
<b>NTP</b>	National Toxicology Program
<b>OSHA</b>	Occupational Safety and Health Administration
<b>ppm</b>	Parts per million
<b>SARA</b>	Superfund Amendment and Reauthorization Act
<b>STEL</b>	Short-Term Exposure Limit
<b>TSCA</b>	Toxic Substances Control Act
<b>TWA</b>	Time - Weighted Average
<b>U.N.</b>	United Nations
<b>WHMIS</b>	Workplace Hazardous Materials Information System
<b>&gt;</b>	Greater Than
<b>&lt;</b>	Less Than

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**Disclaimer**

The information given and the recommendations made herein apply to our product(s) alone and not combined with any other product(s). Such are based on our research and on data from other reliable sources and are believed to be accurate. No guarantee of accuracy is made. It is the purchaser's responsibility before using any product to verify this data under their own operating conditions and to determine whether the product is suitable for their purposes.