

1. COMPANY AND PRODUCT IDENTIFICATION

Duncan Enterprises
 5673 East Shields Avenue
 Fresno, CA 93727
 559-291-4444
 559-291-9444 (Fax)
 www.duncan.com
 www.tulipcolor.com

EMERGENCY TELEPHONE NUMBERS

Health Emergencies:
 559-291-4444 7:00 am – 3:30 pm Pacific Std. 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: Tulip Soft Fabric Paints

Tulip Brush-on Fabric Paints

Product Description: Soft Fabric paint

Colors: All colors and finishes: Matte, Neon, Metallic, Glitter, Pearl, Glow and Velveteen

Product Use / Restrictions: For use with fabric crafting. / No known restrictions.

2. HAZARDS IDENTIFICATION

Classification (GHS):	This product does not meet the criteria for classification.
Health & Physical Hazard Statement(s):	Not applicable.
Other Hazards not classified:	Not applicable.
Signal Word:	Not applicable.
Precautionary Statement(s):	Not applicable.
Pictogram(s) by GHS:	Not applicable.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Detailed formulation is submitted by the client and it is proprietary information.

Reportable ingredients (if applicable):

<u>Identity/Synonym</u>	<u>CAS Number:</u>	<u>Percentage/Range*:</u>
Propylene Glycol	57-55-6	1 – 5%
Carbon Black	1333-86-4	1 – 3%
Mica	12001-26-2	1 – 3%
Titanium Dioxide	13463-67-7	1 – 3%

*The exact percentage (concentration) of composition is withheld as a trade secret.

4. FIRST AID MEASURES

On Inhalation:	Move to fresh air. If irritation persists, see a doctor.
On Skin Contact:	Wash hands thoroughly with water. If irritation persists, see a doctor.
On Eye Contact:	Flush eyes with water for 15 minutes. If irritation persists, see a doctor.
On Ingestion:	Rinse mouth immediately with water and drink plenty of water. If irritation persists, see a doctor.
Acute/Delayed Symptoms:	No known acute or delayed symptoms.
Medical Advice:	Treat symptomatically.
Note to Physician:	Trace amounts and residual monomer vapors may be irritating to the eyes, mucous membrane, respiratory tract, and may produce symptoms of headache, nausea in poorly ventilated areas.

5. FIRE FIGHTING MEASURES

Extinguishing Media

Suitable extinguishing This product is a non-flammable aqueous emulsion. After water evaporates, the

media:	remaining material will burn. Use alcohol-type or all-purpose-type foams applied by manufacturer's recommended techniques for large fires. Use carbon dioxide or dry chemical media for small fires.
Unsuitable extinguishing media:	None.
Protection of Firefighters	
Specific hazards arising from the chemical:	Product will not burn but may splatter if temperature exceeds boiling point of water. Dried solids can burn giving off oxides of carbon.
Special procedures/equipment for firefighters:	Standard full protective firefighting gear with self-contained breathing apparatus.
Hazardous combustion Products:	No known.

6. ACCIDENTAL RELEASE MEASURES

Emergency Containment procedures:	Prevent further leakage using inert materials.
Environmental Precautions, if any:	Prevent leakage and material from spilling further.
Methods for Cleaning Up:	Soak with inert absorbent materials. Transfer to properly labeled containers for disposal.
Personal Protective Equipment:	See section 8 of this SDS.

7. HANDLING AND STORAGE

Safe Storage:	Store in containers with a tight lid in a dry, cool and well-ventilated location.
Safe Handling:	Handle per good industry practices. Avoid contact with skin, eyes and clothing. Wash thoroughly after handling.
Known Incompatibilities:	No known.

8. EXPOSURE CONTROL AND PERSONAL PROTECTION

Occupational Exposure Limits:

Chemical name	ACGIH TLV	OSHA PEL	NIOSH REL
Carbon Black	3.5 mg/m ³ TWA (inhalable particulate matter)	TWA 3.5 mg/m ³	TWA 3.5 mg/m ³ Ca TWA 0.1 mg
Mica	3 mg/m ³ TWA; The value is for particulate matter containing no asbestos and <1% crystalline silica. (Respirable fraction)	20 mppcf (Silicates) (Z-3)	3 mg/m ³ TWA
Titanium Dioxide	10 mg/m ³ TWA; Appendix A4 - Not Classifiable as a Human Carcinogen	15 mg/m ³ TWA	5,000 mg/m ³

Appropriate Engineering Controls: Individual Protection measures, such as PPE (Personal Protective Equipment): Showers, eyewash stations and ventilation systems.

Personal Protection Equipment:	
Respiratory Protection:	If irritation is experienced, NIOSH/MSHA respirator systems should be worn. Respirator must meet all local regulations and requirements.
Eye Protection:	No specific protection required. However, IF there is a possibility that one may be exposed to splashing or spraying of product, wear safety goggle/glasses with side shields.
Hand Protection:	If needed, use gloves impervious to water and soap.
Skin Protection:	No specific additional protections noted.
General Safety and Hygiene Measures:	Wash hands before breaks and after work. Remove and wash contaminated clothing before wearing again.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State/Appearance:	Liquid
Color:	Varies
Odor:	Low
Odor Threshold:	Mild
pH:	8.0 – 8.5
Boiling Point/Range:	100° C
Melting Point/Range:	Not applicable (aqueous system).
Flash Point:	Not applicable (aqueous system).
Evaporation Rate:	Is slower than Butyl Acetate (Butyl Acetate =1)
Vapor Density:	<1 (air=1)
Solubility(ies):	Miscible in water.
Vapor Pressure:	Same as water.
Relative Density:	No information available.
Specific Gravity (Water=1):	1.1 (water =1)
Viscosity:	27500 - 37500
Partition Coefficient (n-octanol/water), if applicable:	No available data.
Explosive Properties:	Not applicable (aqueous system).
Flammability: (Solid, gas)	Not applicable.
Flammability Limit in Air: Upper/Lower	Not applicable (aqueous system).
Autoignition temperature:	Not applicable (aqueous system).
Decomposition temperature:	Not applicable (aqueous system).

10. STABILITY AND REACTIVITY

Chemical Stability:	Stable under normal storage conditions.
Conditions to Avoid:	Do not freeze.
Incompatible Materials:	Strong acids and bases.
Hazardous Decomposition Products:	Carbon monoxide, carbon dioxide and formaldehyde.
Possibility of Hazardous Reactions/Polymerization:	Will not occur.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure:

Eye Contact –Serious Eye Damage or Irritation	No known effects.
Skin Contact – Skin Corrosion, Sensitization or Irritation:	No known effects.
Ingestion – Carcinogenicity/Aspiration Hazard:	No known effects.
Inhalation – Respiratory Sensitization/Toxicity:	No known effects.
Symptoms of exposure:	No known symptoms.
Information on toxicological effects:	No known effects.
Delayed or Immediate effects:	No known effects.

Germ Cell Mutagenicity:	No known effects.		
Specific target organ toxicity (single exposure):	No known effects.		
Specific target organ toxicity (repeated exposure):	No known effects.		
Chemicals listed on NTP, IARC or OSHA as a Carcinogen:	Carbon black: IARC 2B Titanium dioxide: IARC 2B All other chemicals are not listed as carcinogens.		
Chemical Name:	Oral LD50	Dermal LD50	Inhalation LC50
Propylene Glycol	22gm/kg (22000mg/kg) dog 18350mg/kg (18350mg/kg) guinea pig 22gm/kg (22000mg/kg) mouse 20gm/kg (20000mg/kg) rat > 2080mg/kg (2080mg/kg) quail 18500mg/kg (18500mg/kg) rabbit	20800mg/kg (20800mg/kg) rabbit	No data.
Carbon Black	> 15400mg/kg (15400mg/kg) rat	> 3gm/kg (3000mg/kg) rabbit	No data.

*Estimates for product may be based on additional component data not shown.

12. ECOLOGICAL INFORMATION (NON-MANDATORY)

Ecotoxicity:	No known ecotoxicity effects.
Persistence and degradability:	Polymer is not biodegradable.
Bioaccumulative potential:	Not toxic to fish or plants.
Mobility in soil:	No data available.
Other adverse effects:	Does not inhibit bacteria in waste treatment facilities.

13. DISPOSAL CONSIDERATIONS (NON-MANDATORY)

Disposal instructions:	Waste disposal should be in accordance with existing Federal, State and Local environmental regulations.
Local disposal regulations:	See above.
EPA waste code(s):	No data.
Contaminated packaging:	Empty containers may contain product residue; follow SDS and label warnings even after they have been emptied.

14. TRANSPORTATION INFORMATION (NON-MANDATORY)

	DOT	IMDG	IATA
UN/ID number:	Not regulated.	Not regulated.	Not regulated.
Proper shipping name:	-	-	-
Transport hazard class:	-	-	-
Packing group (if applicable):	-	-	-
Environmental Provisions:	-	-	-
Special Precautions in transport:	Not applicable.		
Transport in bulk according to Annex II of MARPOL 73/78 and IBC Code	No data.		
Emergency Response Guide Number:	No data.	EmS-No:	No data.

Pictograms		
US:	IATA; IMDG:	Marine Pollutant:
-	-	-

15. REGULATORY INFORMATION (NON-MANDATORY)

US Federal Regulations:					
TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D):			This product is manufactured in compliance with all provisions of the Toxic Substance Control Act, 15 U.S. C.2601 et. Seq.		
CERCLA (Superfund) reportable quantity (lbs.) (40 CFR 302.4)			No known reportable CERCLA chemicals.		
OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050):			OSHA Specifically Regulated Substances are listed in Section 8 of SDS, Occupational exposure limits.		
Section 302 (EHS) Extremely Hazardous Substance (40 CFR 355, Appendix A):			No known Section 302 EHS chemicals.		
Chemical Name:	CAS Number:	Reportable Quantity:	Threshold planning quantity:	Threshold planning quantity, lower value:	Threshold planning quantity, upper value:
None	X	X	X	X	X
Superfund Amendments and Reauthorization Act of 1986 (SARA)					
SARA/Title III:		This product does not contain any substances at or above the reported threshold under Section 313, based on available data. OR list substances with category code.			
SARA 304 Emergency release notification:		No chemicals subject to notification.			
SARA 311/312 (40 CFR 370) Hazardous Chemical:		No data.			
SARA 313 (TRI reporting):		Chemical Name: None	CAS Number: -	% by wt. -	
Drug Enforcement Administration (DEA) (21 CFR 1308.11-15):		No data.			
Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (Haps) List:		No known CAA Section 112 chemicals.			
Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130):		Not applicable.			
Safe Drinking Water Act (SDWA):		No data.			
Canadian Domestic Substances List (DSL):		No data.			
Toxicological Review:		Our products certified by a nationally recognized toxicologist to contain no materials in sufficient quantities to be toxic, cause injury, acute or chronic health problems to humans. Products are labeled in accordance with all applicable state and federal regulations including, but not limited to consumer product safety standards.			
California Proposition 65 Warning:		No special warning required under the provisions of California Proposition 65.			
EPA Clean Air / Water Act:		No data.			
EPA Hazardous Wastes:		No known EPA hazardous chemicals.			
HMIS III Rating:		No data.			

Unless a concentration is specified in Section 2 of the SDS, the above chemicals(s) are present in trace amounts.

*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s).

OTHER INFORMATION

The recommendations and information contained in this SDS are compiled from sources believed to represent the most current information available when the SDS was prepared. However, the manufacturer / distributor of this product do not provide any warranty, guaranty of representation as to the correctness or sufficiency of this information. If this material is used in large amounts and/or an unusual manner, the user is obliged to determine what safety measures are appropriate, including the applicable and relevant workplace and environmental regulations pertaining to handling, use and disposal.

Table of Abbreviations

ACGIH:	American Conference of Governmental Industrial Hygienists	LD:	Lethal Dose
ANSI:	American National Standards Institute	MARPOL:	Marine Pollution
ASTM:	American Society for Testing Materials	mg / kg:	Milligram per Kilogram
°C:	Degrees Centigrade	mm:	Millimeter
CAA:	Clean Air Act	MSHA:	Mine Safety and Health Administration
CAS:	Chemical Abstract Service	N/A:	Not Applicable
CERCLA:	Comprehensive Environmental Response, Compensation & Liability Act	NFPA:	National Fire Protections Association
CFR:	Code of Federal Regulations	NIOSH:	National Institute for Occupational Safety and Health
CPR:	Controlled Products Regulations	NTP:	National Toxicology Program
DEA:	Drug Enforcement Act	OEL:	Over Exposure Limit
DOT:	Department of Transportation	OSHA:	Occupational Safety and Health Administration
DSL:	Canadian Domestic Substances List	PEL:	Permissible Exposure Limits
EmS:	Emergency Medical Goods Services	ppm:	Parts Per Million
EPA:	Environmental Protection Agency	SARA:	Superfund Amendment and Reauthorization Act
°F:	Degrees Fahrenheit	STEL:	Short-Term Exposure Limit
FDA:	Food & Drug Administration	SDS:	Safety Data Sheet
g/l:	Grams per Liter	SDWA:	Safe Drinking Water Act
HAPs:	Hazardous Air Pollutants	TLV:	Threshold Limit Value
Hg:	Mercury	TRI:	Toxics Release Inventory
HMIS:	Hazardous Materials Identification System	TSCA:	Toxic Substances Control Act
HNOC:	Hazard(s) Not otherwise classified	TWA:	Time – Weighted Average
IARC:	International Agency for Research on Cancer	U.N.:	United Nations
IATA:	International Air Transport Association	WHMIS:	Workplace Hazardous Materials Information System
ID:	Identification / Identity	>	Greater Than
IDLH:	Immediate Danger to Life or Health	<	Less Than
IMDG:	International Maritime Dangerous Goods	73/78:	1973 & 1978
LC:	Lethal Concentration		

Version:	Date:
1	Created: 1/10/2010 WA
2	4/8/2016 - jl
3	4/12/2018 – sp

END SAFETY DATA SHEET