

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:
Product Use/Description:

Tulip Dimensional Fabric Paint
Fabric paint in a variety of finishes, bottle and paint pen sizes
Finishes: Slick, Matte, Glow, Glitter, Metallics, Neon, Crystals, Blazin' Brights, Sparkles, Pearl
None known

Restrictions on use:

2. HAZARDS IDENTIFICATION

Classification:	This substance does not meet the criteria for classification.
Hazard statement:	No required statement
Other hazards:	None
Signal word:	None
Precautionary statement:	None
Pictogram(s) by GHS:	None

3. COMPOSITION / INFORMATION ON INGREDIENTS

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

Reportable ingredients (if applicable):

Chemical / Identity	CAS Number	Percentage / Range*
Mica	12001-26-2	0.5 ~ 3
Propylene Glycol	57-55-6	2 ~ 7
C.I. Pigment Red 122	980-26-7	1 ~ 5
Benzidine Orange	3520-72-7	1 ~ 5
Titanium Dioxide	13463-67-7	2 ~ 7
Carbon Black	1333-86-4	0.5 ~ 3
Iron Oxides	1309-37-1	1 ~ 5

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

4. FIRST AID MEASURES

General advice:	Follow general good first aid measures.
On inhalation:	Material cannot be inhaled.
On skin contact:	Wash affected skin areas thoroughly with soap and water. Consult a physician if irritation persists.
On eye contact:	Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids until irritation subsides. If irritation persists, contact a physician.
On ingestion:	Do not induce vomiting. Wash mouth out with water and drink 1 to 2 glasses of water. Consult a physician.
Acute/delayed symptoms:	None
Medical advice:	Not toxic. On complaints, treat symptomatically.

5. FIREFIGHTING MEASURES

Extinguishing Media

Suitable extinguishing media:	Water. Foam. Dry powder. Carbon dioxide (CO ₂). Use extinguishing media appropriate for surrounding fire.
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Unsuitable extinguishing media:	None
Protection of Firefighters	
Specific hazards arising from the chemical:	No particular hazards
Protective equipment for firefighters:	Use standard firefighting procedures and consider the hazards of other involved materials.
Special precautions for firefighters:	Wear full protective clothing, including helmet, self-contained positive pressure or pressure demand breathing apparatus, protective clothing and face mask.
Will hazardous combustion occur:	Will not occur.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions:	Extinguish all ignition sources. Avoid sparks, flames, heat and smoking. Ventilate. Avoid inhalation of vapors and contact with skin and eyes. Wear suitable protective clothing. See Section 8 of the SDS for personal protective equipment.
Environmental precautions:	Do not allow to enter drains, sewer or water course.
Methods for cleaning up:	Clean up in accordance with all applicable regulations. Remove sources of ignition. Absorb spillage with non-combustible, absorbent material. Containers with collected spillage must be properly labeled with correct contents and hazard symbol.
Recommended personal protective equipment:	See Section 8 of this SDS.

7. HANDLING AND STORAGE

Safe storage:	Store in a cool, dry place. Keep in container closed when not in use. 40 – 100°F. Protect from freezing.
Safe handling:	Wash thoroughly after handling. Remove contaminated clothing and wash before reuse. Avoid contact with eyes. Avoid ingestion and inhalation.
Known incompatibilities:	None known

8. EXPOSURE CONTROL AND PERSONAL PROTECTION

Occupational exposure limits:

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH REL
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
Carbon Black	3.5 mg/m ³	TWA 3.5 mg/m ³	TWA 3.5 mg/m ³ Ca TWA 0.1 mg
Iron Oxides	5 mg/m ³ (fume)	5 mg/m ³ (dust and fume)	5 mg/m ³ (resp.)

Appropriate engineering controls: No special requirements under ordinary conditions of use and with adequate ventilation.

Individual protection measures, such as PPE (personal protective equipment):

Personal Protection Equipment:	
Respiratory protection:	None required under normal handling conditions.
Eye protection:	Wear safety glasses with side shield.
Hand protection:	Protective gloves are not required commonly; on permanent skin contact gloves for low mechanic and substantial stress are enough. Protective gloves to be applied have to comply with the specifications of EU directive 89/686/EEC and EN 374, e.g. Matter:

	Butyl Rubber; Thickness: >0,4mm; Penetration Time: >30minutes.
Skin protection:	Skin protection products are not as effective as protective gloves, so suitable protective gloves are preferred if possible.
Further information:	This product is classified as non-hazardous. However, the usual precautions for harmful chemicals must be observed to avoid contact with the skin, eyes and respiratory tract.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state/appearance:	Liquid
Color:	Various
Odor:	Slight
Odor threshold:	N/A
pH:	N/A
Boiling point/range:	>212°F
Melting point/range:	<32°F
Flash point:	Not applicable (aqueous system)
Evaporation rate:	0.62
Vapor density (Air=1):	1
Solubility(ies):	Miscible in water
Vapor pressure:	17.5 mm Hg @20°C (68°F)
Relative density:	N/A
Viscosity:	N/A
Partition coefficient (n-octanol/water), if applicable:	N/A
Explosive properties:	N/A
Flammability: (solid, gas)	N/A
Flammability limit in air: upper/lower	N/A
Autoignition temperature:	N/A
Decomposition temperature:	N/A

10. STABILITY AND REACTIVITY

Chemical stability:	Stable under normal temperatures
Conditions to avoid:	N/A
Incompatible materials:	N/A
Hazardous decomposition products:	At thermal decomposition temperature, carbon monoxide and carbon dioxide
Possibility of hazardous reactions:	Will not occur

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure:

Eye contact – serious eye damage or irritation	Slight, transient
Skin contact – skin corrosion, sensitization or irritation:	No hazard in normal industrial use

Ingestion – carcinogenicity/aspiration hazard:	No hazard in normal industrial use		
Inhalation – respiratory sensitization/toxicity:	No hazard in normal industrial use		
Symptoms related to the physical chemical and toxicological characteristics:	This product should be considered non-hazardous and has no known chronic effects.		
Information on toxicological effects:	N/A		
Delayed or immediate effects:	N/A		
Germ cell mutagenicity:	N/A		
Specific target organ toxicity (single exposure):	N/A		
Specific target organ toxicity (repeated exposure):	N/A		
Chemicals listed on NTP, IARC or OSHA as a Carcinogen:	N/A		
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
C.I. Pigment Red 122	> 23gm/kg (23000mg/kg) rat	> 3gm/kg (3000mg/kg) rabbit	No data
Benzidine Orange	> 5gm/kg (5000mg/kg) rat	No data.	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)	
Eco toxicity:	Small amounts of this product are not expected to cause toxicity to the environment. Components of this material are not biomagnified or bioconcentrated in the environment.
Persistence and degradability:	N/A
Bioaccumulative potential:	N/A
Aquatic / terrestrial warnings:	N/A
Mobility in soil:	N/A
Other adverse effects:	On appropriate handling and use as intended, in our experience and on current information, the product doesn't cause any adverse effects to the environment.

13. DISPOSAL CONSIDERATIONS (NON-MANDATORY)	
Disposal instructions:	Residues and wastes are to be brought to an incineration site.
Local disposal	Waste disposal should be in accordance with existing federal, state and local

regulations:	environmental regulations.
Hazardous waste code:	N/A
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:	N/A	N/A	N/A
Transport hazard class:	N/A	N/A	N/A
Packing group (if applicable):	N/A	N/A	N/A
Environmental provisions:	N/A	N/A	N/A
Special precautions:	N/A	N/A	N/A
Transport in bulk according to Annex II of MARPOL 73/78 and IBC Code	N/A		
Emergency Response Guide Number: N/A	EmS-No:	N/A	

Pictograms

<u>US:</u> X	<u>IATA; IMDG:</u> X	<u>Marine Pollutant:</u> X
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15. REGULATORY INFORMATION (NON-MANDATORY)

U.S. Federal Regulations:

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D):	Not regulated				
CERCLA (Superfund) reportable quantity (lbs.) (40 CFR 302.4)	None				
OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050):	Not regulated				
Section 302 Extremely Hazardous Substance (40 CFR 355, Appendix A):	No				
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 304 Emergency release notification:	No data		
SARA 311/312 (40 CFR 370) Hazardous Chemical:	No		
SARA 313 (TRI reporting):	<u>Chemical Name:</u> None	<u>CAS Number:</u> X	<u>% by wt.</u> X
Drug Enforcement Administration (DEA) (21 CFR 1308.11-15):	Not controlled		
Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (Haps) List:	No data		
Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130):	No data		
Safe Drinking Water Act	No data		

(SDWA):	
Canadian Domestic Substances List (DSL):	No data
State Regulations	
TSCA:	This product is manufactured in compliance with all provisions of the Toxic Substances Control Act, 15 U.S. C. 2601 et. Seq.
FDA:	21 CFR 175.105
SARA/Title III:	This product does not contain any substances at or above the reported threshold under Section 313, based on available data.
Conforms to Non-Toxic ASTM-4236:	Products 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).
California Proposition 65 Warning:	No warnings required under the provisions of California Proposition 65.
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.	

16. 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 does 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	1/15/09 – FP created
2	3/13/15 - FP
3	6/26/15 - WA
4	3/21/16 - JL
5	7/17/2017 - sp
6	7/5/2018 –sp
7	9/7/2019 – sp
8	4/6/2021 - sp

END SAFETY DATA SHEET