

64952-1002



Safety Data Sheet



1. COMPANY AND PRODUCT IDENTIFICATION

Duncan Enterprises
5673 East Shields Avenue
Fresno, CA 93727
559-291-4444
559-291-9444 (Fax)
www.duncan.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 Tie-Dye Resist
Product use/description: Water-based color-blocking formula
Item number: 28890 (2 oz.)
Not intended for: Not intended for use with hot dyes.

2. HAZARDS IDENTIFICATION

Classification:	This mixture does not meet the criteria for classification.
Health and physical hazard statement:	The product contains no substances which at their given concentration, are considered to be hazardous to health.
Other hazards not classified:	Harmful to aquatic life with long lasting effects.
Signal word:	None
Precautionary statement:	None
Pictogram(s) by GHS:	None

3. COMPOSITION / INFORMATION ON INGREDIENTS

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

Products are made by physical manipulation and chemical reaction from the ingredients. These ingredient chemicals may not exist as its original formula in final products.

Reportable ingredients (if applicable):

<u>Identity / Synonym</u>	<u>CAS Number</u>	<u>Percentage / Range</u>
Polyvinyl alcohol	9002-859-5	>1%

4. FIRST AID MEASURES

On inhalation:	Seek fresh air.
On skin contact:	Wash skin with soap and water. Wash contaminated clothing before reuse.
On eye contact:	Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a physician.
On ingestion:	Clean mouth with water and drink plenty of water afterwards.
Acute/delayed symptoms:	No information available
Note to physician:	Treat symptomatically.

5. FIREFIGHTING MEASURES

Extinguishing Media

Suitable extinguishing media: Use extinguishing measures that are appropriate to local circumstances and

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	the surrounding environment. Dry chemical, CO ₂ , alcohol-resistant foam or water spray.
Unsuitable extinguishing media:	Caution: Use of water spray when fighting fire may be inefficient.
Protection of Firefighters	
Specific hazards arising from the chemical:	No information available
Protective equipment for firefighters:	As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA./NIOSH (approved or equivalent)
Will hazardous combustion occur:	Will not occur

6. ACCIDENTAL RELEASE MEASURES

Emergency Containment procedures:	Prevent further leakage or spillage if safe to do so. Dike far ahead of spill; use dry sand to contain the flow of material.
Environmental precautions, if any:	See section 12 for additional ecological information.
Methods for cleaning up:	Pick up and transfer to properly labeled containers.
Personal protective equipment:	Ensure adequate ventilation, especially in confined areas.

7. HANDLING AND STORAGE

Safe storage:	Keep containers tightly closed in a dry, cool and well-ventilated place.
Safe handling:	Handle in accordance with good industrial hygiene and safety practice.
Known incompatibilities:	None known based on information supplied.

8. EXPOSURE CONTROL AND PERSONAL PROTECTION

Occupational Exposure Limits: This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

Appropriate Engineering Controls: Showers, eyewash stations, and ventilation systems.

Individual Protection measures, such as PPE (Personal Protective Equipment):

Personal Protection Equipment:	
Respiratory protection:	If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.
Eye protection:	No special technical protective measures are necessary.
Hand protection:	No special technical protective measures are necessary.
Skin protection:	No special technical protective measures are necessary.
Thermal protection:	No data
General safety and hygiene measures:	Handle in accordance with good industrial hygiene and safety practice.
Further information:	No further info

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State/Appearance:	Liquid
Color:	Milky liquid
Odor:	Slight
Odor Threshold:	No information available
pH:	5 - 6
Boiling Point/Range:	>200°F

Melting Point/Range:	32°F
Flash Point:	>200°F
Evaporation Rate:	No information available
Vapor Density:	No information available
Solubility(ies):	No information available
Vapor Pressure:	No information available
Relative Density:	No information available
Viscosity:	No data
Partition Coefficient (n-octanol/water), if applicable:	No information available
Explosive Properties:	No information available
Flammability: (Solid, gas)	No information available
Flammability Limit in Air: Upper/Lower	No information available
Autoignition temperature:	No information available
Decomposition temperature:	No information available

10. STABILITY AND REACTIVITY

Chemical Stability:	Stable under recommended storage conditions
Conditions to Avoid:	Protect from freezing – product stability may be affected.
Incompatible Materials:	None known based on information supplied
Hazardous Decomposition Products:	None known based on information supplied
Possibility of Hazardous Reactions/Polymerization:	None under normal processing

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure:

Eye Contact –Serious Eye Damage or Irritation	No data available.		
Skin Contact – Skin Corrosion, Sensitization or Irritation:	No data available.		
Ingestion – Carcinogenicity/Aspiration Hazard:	No data available.		
Inhalation – Respiratory Sensitization/Toxicity:	No data available.		
Symptoms of exposure:	No data available.		
Information on toxicological effects:	No data available.		
Delayed or Immediate effects:	No data available.		
Germ Cell Mutagenicity:	No data available.		
Specific target organ toxicity (single exposure):	No data available.		
Specific target organ toxicity (repeated exposure):	No data available.		
Chemicals listed on NTP, IARC or OSHA as a Carcinogen?:	No data available.		
Chemical Name: Polyvinyl alcohol	Oral LD50 18750 mg/kg (18750 mg/kg) guinea pig 14270 mg/kg (14270 mg/kg) mouse 23854 mg/kg (23854 mg/kg) rat	Dermal LD50 Not established	Inhalation LC50 Not established

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

12. ECOLOGICAL INFORMATION (NON-MANDATORY)

Ecotoxicity:	Harmful to aquatic life with long lasting effects 16.0313183% of the mixture
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	consists of component(s) of unknown hazards to the aquatic environment.
Persistence and degradability:	No data available
Bioaccumulative potential:	No data available
Mobility in soil:	No data available
Other adverse effects:	No data available

13. DISPOSAL CONSIDERATIONS (NON-MANDATORY)

Disposal instructions:	Disposal should be in accordance with applicable regional, national and local laws and regulations.
EPA waste code(s):	None
Contaminated packaging:	Do not reuse container.

14. TRANSPORTATION INFORMATION (NON-MANDATORY)

	DOT	IMDG	IATA
UN/ID number:	Not regulated.	No data.	No data
Proper shipping name:	-	-	-
Transport hazard class:	-	-	-
Packing group (if applicable):	-	-	-
Environmental Provisions:	-	-	-
Special Precautions in transport:	No data.		
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: None	IATA; IMDG: None	Marine Pollutant: None
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15. REGULATORY INFORMATION (NON-MANDATORY)

U.S. 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)		Does not contain any substances regulated as hazardous substances under CERCLA.			
OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050):		No data			
Section 302 Extremely Hazardous Substance (40 CFR 355, Appendix A):		Complies			
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.			
SARA 304 Emergency release notification:		No data			
SARA 311/312 (40 CFR 370)		This product does not contain any substances at or above the reported			

Hazardous Chemical:	threshold under Section 311/312, based on available data.		
SARA 313 (TRI reporting):	<u>Chemical Name:</u> None	<u>CAS Number:</u> -	<u>% by wt.</u> -
Drug Enforcement Administration (DEA) (21 CFR 1308.11-15):	No data		
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 (SDWA):	No data		
Canadian Domestic Substances List (DSL):	No data		
FDA:	No 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:	This product does contain the following chemicals that are known to the State of California to cause cancer, birth defects, or other reproductive harm: none.		
EPA Clean Air / Water Act:	No data		
EPA Hazardous Wastes:	No data		
HMIS III Rating:	Health:1; Flammability: 0; Physical: 0		
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).

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		

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