



**1. COMPANY AND PRODUCT IDENTIFICATION**

**iLoveToCreate**  
**A Duncan Enterprises Company**  
**5673 East Shields Avenue**  
**Fresno, CA 93727**  
**559-291-4444**  
**559-291-9444 (Fax)**

**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 ONE-STEP FASHION DYES (1 of 2 SDS's)  
**Product Description:** Reactive Dyes

**2. HAZARDS IDENTIFICATION**

HMIS Hazard Ratings for Product		Rating Scale:
Health	1	0 = Minimal
Flammability	1	1 = Slight
Reactivity	0	2 = Moderate
Personal Protection	E	3 = Serious
E = Safety Glasses, Gloves, and Dust Mask		4 = Severe
		* = Chronic Effects

**3. COMPOSITION / INGREDIENT INFORMATION**

The ingredients in this formulation are a trade secret. All ingredients in the formula are non-hazardous, unless specified in Sections 2 and 15.

**4. FIRST AID MEASURES**

<b>Eye Contact:</b>	Wash immediately with large amounts of water, occasionally lifting the upper and lower lids until no evidence of product remains. Get medical attention. Do not wear contact lenses while handling.
<b>Skin Contact:</b>	Wash immediately with soap and plenty of water. If a temporary skin reaction occurs, it should be treated as allergic contact dermatitis. Launder contaminated clothing before reuse.
<b>Ingestion:</b>	If swallowed, do not induce vomiting. Get medical attention. Qualified medical personnel should remove the product by gastric lavage and catharsis.
<b>Inhalation:</b>	If inhaled, remove to fresh air. If not breathing, give artificial respiration, preferably mouth to mouth. If breathing is difficult, give oxygen. Call a physician.

**5. FIRE FIGHTING MEASURES**

<b>Flash Point:</b>	Not Applicable
<b>Extinguisher Media:</b>	Water, CO2, Dry Chemical, Foam – Use extinguishing media appropriate for surrounding fire
<b>Special Firefighting Procedures:</b>	Firefighters should be equipped with protective clothing and self-contained breathing apparatus to protect against potentially toxic and irritating fumes. In case of fire or explosion, keep unnecessary people away. Isolate hazard area and any entry. Isolate hazard area and any entry. Stay upwind, out of low areas, and ventilate closed spaces before entering.

**iLoveToCreate Safety Data Sheet – Tulip One-Step Fashion Dyes**

**6. ACCIDENTAL RELEASE MEASURES**

**Spill or Leak Procedures:** 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.  
 For safety and environmental precautions, please review entire Safety Data Sheet for necessary information.

**7. HANDLING AND STORAGE**

Store in a dry place, away from excessive heat, in original or similar waterproof container. Reseal container immediately after use. Avoid unnecessary contact.

**8. EXPOSURE CONTROL AND PERSONAL PROTECTION**

**Eye Protection:** Protective eye goggles recommended  
**Skin Protection:** This material may be absorbed via the dermal route if prolonged or widespread skin contact occurs. Skin contact should be avoided by wearing protective clothing. Long sleeve shirts, pants, rubber gloves, and boots are recommended. Additional protection such as impervious suits is recommended when the potential for dermal contact is significant. Wash hands and face before eating and drinking.  
**Respiratory Protection:** Use a NIOSH approved dust respirator.  
**Ventilation:** Use local ventilation if dusting is a problem.  
**Other:** Emergency showers and eye wash stations should be available.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

<b>Appearance:</b>	Various Colored Powders
<b>Odor:</b>	Odorless
<b>Solubility in Water:</b>	Soluble
<b>pH:</b>	N/A

**10. STABILITY AND REACTIVITY**

<b>Stability:</b>	Stable
<b>Incompatibilities:</b>	None known
<b>Hazardous Polymerization:</b>	Will not occur
<b>Hazardous Decomposition Products:</b>	Oxides of carbon, nitrogen and sulfur; chlorine compounds

**11. TOXICOLOGICAL INFORMATION**

<b>Animal Toxicity Oral:</b>	No Data
<b>Fish, LC50:</b>	No Data
<b>Eye Effects:</b>	No Data
<b>Skin Effects:</b>	No Data
<b>Human Effects of Overexposure:</b>	Contact with eyes and skin may result in irritation. Ingestion may result in gastric disturbances. Inhalation may cause respiratory irritation.

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**12. ECOLOGICAL INFORMATION**

No Applicable Data

**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 SDS and label warnings even after they have been emptied.

**14. TRANSPORT INFORMATION**

<b>U.S. Department of Transportation Information</b>	
<b>DOT Shipping Name:</b>	Non-hazardous
<b>DOT Hazard Class:</b>	Non-hazardous
<b>DOT Reportable Quantity:</b>	None
<b>FRT Class Package:</b>	Dye Material

<b>United Nations Information</b>	
<b>U.N. Number:</b>	None
<b>U.N. Class:</b>	None

**15. REGULATORY INFORMATION**

<b>TSCA:</b>	All components are on the TSCA Inventory
<b>FDA:</b>	21CFR175.105
<b>SARA Title III:</b>	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**

<b>Table of Abbreviations</b>	
<b>ACGIH</b>	American Conference of Governmental Industrial Hygienists
<b>ANSI</b>	American National Standards Institute
<b>ASTM</b>	American Society for Testing Materials
<b>°C</b>	Degrees Centigrade
<b>CAS</b>	Chemical Abstract Service
<b>CERCLA</b>	Comprehensive Environmental Response, Compensation and Liability Act
<b>CFR</b>	Code of Federal Regulations
<b>CPR</b>	Controlled Products Regulations
<b>DOT</b>	Department of Transportation
<b>EPA</b>	Environmental Protection Agency

**iLoveToCreate Safety Data Sheet – Tulip One-Step Fashion Dyes**

**16. OTHER INFORMATION (Continued)**

<b>Table of Abbreviations (Continued)</b>	
<b>°F</b>	Degrees Fahrenheit
<b>FDA</b>	Food & Drug Administration
<b>g / l</b>	Grams per liter
<b>DOT</b>	Department of Transportation
<b>EPA</b>	Environmental Protection Agency
<b>°F</b>	Degrees Fahrenheit
<b>FDA</b>	Food & Drug Administration
<b>g / l</b>	Grams per liter
<b>Hg</b>	Mercury
<b>HMIS</b>	Hazardous Materials Identification System
<b>IARC</b>	International Agency for Research on Cancer
<b>LD</b>	Lethal Dose
<b>mg / kg</b>	Milligram per kilogram
<b>mm</b>	Millimeter
<b>SDS</b>	Safety Data Sheet
<b>MSHA</b>	Mine Safety and Health Administration
<b>N / A</b>	Not Applicable
<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

<b>Creation Date:</b>	01/15/09
<b>Revision Date:</b>	03/13/15
<b>Technical Contact:</b>	Frank Peters Research & Development Manager iLoveToCreate A Duncan Enterprises Company 5673 East Shields Avenue Fresno, CA 93727 559-291-4444 559-291-9444 (Fax)

**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.



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 703-527-3887 Outside U.S. and Canada (Collect)

**Product Name:** TULIP ONE-STEP FASHION DYE SODIUM BICARBONATE (2<sup>nd</sup> of 2 SDS's)  
**Synonyms:** Meylon; Soda; Monosodium carbonate; Sodium hydrogen carbonate; Sodium acid carbonate; Bicarbonate of soda; Baking soda; Soda mint; NaHCO<sub>3</sub>

**2. HAZARDS IDENTIFICATION**

Potential Health Effects	
<b>Eye:</b>	Contact may cause mild irritation, redness, and pain
<b>Skin Contact:</b>	No adverse effects expected
<b>Ingestion:</b>	Material is practically non-toxic. Small amounts (1-2 tablespoonfuls) swallowed during normal handling operations are not likely to cause injury as long as the stomach is not overly full; swallowing larger amounts may cause injury (see note in section 4).
<b>Inhalation:</b>	High concentrations of dust may cause coughing and sneezing.
<b>Subchronic Effects / Carcinogenicity:</b>	Based on published studies on its effects in animals and humans, sodium bicarbonate is not teratogenic or genotoxic. Only known subchronic effect is that of a marked systemic alkalosis. Not classified as carcinogenic by NTP, IARC, OSHA, ACGIH or NIOSH.

HMIS Hazard Ratings for Product		Rating Scale:
Health	1	0 = Minimal
Flammability	1	1 = Slight
Reactivity	1	2 = Moderate
Personal Protection	See Section 8	3 = Serious
		4 = Severe
		* = Chronic Effects

NFPA Hazard Ratings for Product		Rating Scale:
Health	1	0 = Minimal
Flammability	0	1 = Slight
Reactivity	0	2 = Moderate
		3 = Serious
		4 = Severe

**3. COMPOSITION / INGREDIENT INFORMATION**

Ingredient	CAS Number	Percent	Hazardous
Sodium Bicarbonate	144-55-8	99 – 100	Yes
Not hazardous under OSHA Standard 29 CFR 1910.1200 Not a WHMIS controlled substance			

**4. FIRST AID MEASURES**

<b>Eye Contact:</b>	Check for and remove contact lenses. Flood eyes with clean flowing water, low pressure and lukewarm (not hot) if possible, occasionally lifting eyelids
<b>Skin Contact:</b>	Wash affected area with soap and water. If irritation occurs and persists, obtain medical attention.
<b>Inhalation:</b>	Remove to fresh air; get medical attention for any breathing difficulty.
<b>Ingestion:</b>	If large amounts of this material are swallowed, do not induce vomiting. Administer water if person is conscious. Never give anything by mouth to an unconscious person.
<b>Note to Physician:</b>	Large doses may produce systemic alkalosis and expansion in extracellular fluid volume with edema.

**5. FIRE FIGHTING MEASURES**

Flammable Properties	
<b>Flash Point:</b>	Not combustible
<b>Flammable Limits:</b>	LFL: Not applicable      UFL: Not applicable
<b>Extinguishing Media:</b>	Non-combustible material. Use extinguishing media appropriate for surrounding fire.
<b>Firefighting Instructions:</b>	Carbon dioxide may be generated making necessary the use of a self-contained breathing apparatus (SCBA) and full protective equipment (Bunker Gear). Carbon dioxide is an asphyxiant at levels over 5% w/w. Sodium oxide, another thermal decomposition product existing at temperatures above 1564° F is a respiratory, eye, and skin irritant. Avoid inhalation, eye and skin contact with sodium oxide dusts.
<b>Unusual Fire and Explosion Hazards:</b>	None Known

**6. ACCIDENTAL RELEASE MEASURES**

<b>Procedure for Release or Spill:</b>	Ventilate area of leak or spill. Wear appropriate personal protective equipment as specified in Section 8: Spills. Sweep up and containerize for reclamation or disposal. Vacuuming or wet sweeping may be used to avoid dust dispersal. Small amounts of residue may be flushed to sewer with plenty of water.
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**7. HANDLING AND STORAGE**

<b>Handling:</b>	Observe all warnings and precautions listed for the product.
<b>Storage:</b>	Keep in a tightly closed container, stored in a cool, dry, ventilated area. Protect against physical damage; containers of this material may be hazardous when empty since they can retain product residues (dust, solids).

**8. EXPOSURE CONTROL AND PERSONAL PROTECTION**

<b>Airborne Exposure Limits:</b>	None established
<b>Ventilation:</b>	In general, dilution ventilation is a satisfactory health hazard control for this substance. However, if conditions of use create discomfort to the worker, a local exhaust system should be considered.
<b>Personal Respirators:</b>	For conditions of use where exposure to dust or mist is apparent and engineering controls are not feasible, a particulate respirator (NIOSH type N95 or better filters) may be worn. If oil particulates (e.g. lubricants, cutting fluids, glycerine, etc.) are present, use a NIOSH type R or P filter. For emergencies or instances where the exposure levels are not known, use a full-face positive-pressure, air-supplied respirator. <b>Warning – Air purifying respirators do not protect workers in oxygen-deficient atmospheres.</b>
<b>Skin Protection:</b>	Wear protective gloves and clean body-covering clothing
<b>Eye Protection:</b>	Use chemical safety goggles; maintain eye wash fountain and quick-drench facilities in work area.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

<b>Molecular Weight:</b>	84.01
<b>Chemical Formula:</b>	NaHCO <sub>3</sub>
<b>Melting/Freezing Point:</b>	60° C (140° F)
<b>Boiling Point:</b>	N/A
<b>Vapor Pressure:</b>	N/A
<b>Vapor Density:</b>	N/A
<b>Appearance and State:</b>	White crystalline powder
<b>Odor:</b>	Odorless
<b>Specific Gravity (Water = 1):</b>	2.159
<b>Solubility in Water:</b>	7.8 g / 100 cc water @ 18°C (64° F)
<b>Percent Volatiles (21° C (70° F)):</b>	0.0
<b>Evaporation Rate:</b>	N/A
<b>pH (aqueous solution):</b>	8.3 (0.1% molar @ 25°C (77°F))
<b>Flash Point:</b>	N/A
<b>Autoignition Temperature:</b>	N/A

**10. STABILITY AND REACTIVITY**

<b>Stability:</b>	Stable under ordinary conditions of use and storage.
<b>Hazardous Decomposition Products:</b>	Gaseous carbon dioxide
<b>Incompatibilities:</b>	Reacts with acids to form carbon dioxide. Dangerous reaction with monoammonium phosphate or a sodium- potassium alloy
<b>Hazardous Polymerization:</b>	Will not occur
<b>Conditions to Avoid:</b>	Heat, moisture, incompatible materials



Safety Data Sheet – Tulip One-Step Fashion Dye Sodium Bicarbonate (2<sup>nd</sup> of 2 SDS's)

**11. TOXICOLOGICAL INFORMATION**

<b>Eye Effects:</b>	The material was minimally irritating to unwashed eyes and practically non-irritating to washed eyes (rabbits).
<b>Skin Effects:</b>	Not a skin irritant or dermally toxic. Not a contact sensitizer.
<b>Acute Oral Effects:</b>	Acute Oral-rat LD50 = 7.3 g/kg.
<b>Acute Inhalation:</b>	LC50 (rat) > 4.74 mg/l.

Carcinogenicity Ingredient	CAS Number	NTP Carcinogen		IARC Category
		Known	Anticipated	
Sodium Bicarbonate	144-55-8	No	No	None

**12. ECOLOGICAL INFORMATION**

<b>Aquatic Toxicity</b>	Daphnids:	EC50 = 4100
	Bluegill:	mg/l
	Rainbow	LC50 = 7100
	Trout:	mg/l
		LC50 = 7700
		mg/l
<b>Persistence:</b>	This product is not expected to persist in the environment	
<b>Bioaccumulation:</b>	This product is not expected to bioaccumulate	

**13. DISPOSAL CONSIDERATIONS**

<b>Waste Disposal Methods:</b>	Whatever cannot be saved for recovery or recycling should be managed in an appropriate and approved waste disposal facility. Processing, use or contamination of this product may change the waste management options. State and local disposal regulations may differ from federal disposal regulations. Dispose of container and unused contents in accordance with federal, state and local requirements.
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**14. TRANSPORT INFORMATION**

U.S. Department of Transportation Information	
<b>DOT Shipping Name:</b>	Not regulated
<b>Technical Shipping Name:</b>	Sodium Bicarbonate
<b>DOT Hazard Class:</b>	None
<b>UN / NA Number:</b>	None
<b>Hazardous Substance / RQ:</b>	None
<b>DOT Label:</b>	None
<b>ICAO/IATA:</b>	Not Regulated



**Safety Data Sheet – Tulip One-Step Fashion Dye Sodium Bicarbonate (2<sup>nd</sup> of 2 SDS's)**

**15. REGULATORY INFORMATION**

<b>Chemical Inventory Status – Part 1</b>				
<b>Ingredient</b>	<b>TSCA</b>	<b>EC</b>	<b>Japan</b>	<b>Australia</b>
Sodium Bicarbonate (144-55-8)	Yes	Yes	Yes	Yes

<b>Chemical Inventory Status – Part 2</b>				<b>Canada</b>
<b>Ingredient</b>	<b>Korea</b>	<b>DSL</b>	<b>NDSL</b>	<b>Phil.</b>
Sodium Bicarbonate (144-55-8)	Yes	Yes	No	Yes

<b>Federal, State and International Regulations – Part 1</b>				
	<b>SARA 302</b>		<b>SARA 313</b>	
<b>Ingredient</b>	<b>RQ</b>	<b>TPQ</b>	<b>List</b>	<b>Chemical Category</b>
Sodium Bicarbonate (144-55-8)	No	No	No	No

<b>Federal, State and International Regulations – Part 2</b>			
<b>Ingredient</b>	<b>CERCLA</b>	<b>RCRA 261.33</b>	<b>TSCA 8 (D)</b>
Sodium Bicarbonate (144-55-8)	No	No	No

Chemical Weapons Convention: No	TSCA 12(b): No	CDTA: No
SARA 311/312: Acute: No	Chronic: No	Fire: No
Pressure: No		
Reactivity: No (Pure / Solid)		
Australian Hazchem Code: None allocated		
Poison Schedule: None allocated		
WHMIS: This SDS has been prepared according to the hazard criteria of the controlled products regulations (CPR) and the SDS contains all of the information required by the CPR.		

**16. OTHER INFORMATION**

<b>Table of Abbreviations</b>	
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<b>CAS</b>	Chemical Abstract Service
<b>CERCLA</b>	Comprehensive Environmental Response, Compensation and Liability Act
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<b>DOT</b>	Department of Transportation
<b>EPA</b>	Environmental Protection Agency
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<b>°F</b>	Degrees Fahrenheit
<b>FDA</b>	Food & Drug Administration
<b>g / l</b>	Grams per liter
<b>Hg</b>	Mercury
<b>HMIS</b>	Hazardous Materials Identification System

Safety Data Sheet – Tulip One-Step Fashion Dye Sodium Bicarbonate (2<sup>nd</sup> of 2 SDS's)

**16. OTHER INFORMATION (Continued)**

**Table of Abbreviations (Continued)**

<b>IARC</b>	International Agency for Research on Cancer
<b>LD</b>	Lethal Dose
<b>mg / kg</b>	Milligram per kilogram
<b>mm</b>	Millimeter
<b>SDS</b>	Safety Data Sheet
<b>MSHA</b>	Mine Safety and Health Administration
<b>N / A</b>	Not Applicable
<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
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<b>STEL</b>	Short-Term Exposure Limit
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