



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 DYE SODIUM BICARBONATE (2nd of 2 SDS's)
Synonyms: Meylon; Soda; Monosodium carbonate; Sodium hydrogen carbonate; Sodium acid carbonate; Bicarbonate of soda; Baking soda; Soda mint; NaHCO₃

2. HAZARDS IDENTIFICATION

Potential Health Effects

Eye:	Contact may cause mild irritation, redness, and pain
Skin Contact:	No adverse effects expected
Ingestion:	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).
Inhalation:	High concentrations of dust may cause coughing and sneezing.
Subchronic Effects / Carcinogenicity:	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

Eye Contact:	Check for and remove contact lenses. Flood eyes with clean flowing water, low pressure and lukewarm (not hot) if possible, occasionally lifting eyelids
Skin Contact:	Wash affected area with soap and water. If irritation occurs and persists, obtain medical attention.
Inhalation:	Remove to fresh air; get medical attention for any breathing difficulty.
Ingestion:	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.
Note to Physician:	Large doses may produce systemic alkalosis and expansion in extracellular fluid volume with edema.

5. FIRE FIGHTING MEASURES

Flammable Properties	
Flash Point:	Not combustible
Flammable Limits:	LFL: Not applicable UFL: Not applicable
Extinguishing Media:	Non-combustible material. Use extinguishing media appropriate for surrounding fire.
Firefighting Instructions:	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 ^o F is a respiratory, eye, and skin irritant. Avoid inhalation, eye and skin contact with sodium oxide dusts.
Unusual Fire and Explosion Hazards:	None Known

6. ACCIDENTAL RELEASE MEASURES

Procedure for Release or Spill:	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

Handling:	Observe all warnings and precautions listed for the product.
Storage:	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

Airborne Exposure Limits:	None established
Ventilation:	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.
Personal Respirators:	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. Warning – Air purifying respirators do not protect workers in oxygen-deficient atmospheres.
Skin Protection:	Wear protective gloves and clean body-covering clothing
Eye Protection:	Use chemical safety goggles; maintain eye wash fountain and quick-drench facilities in work area.

9. PHYSICAL AND CHEMICAL PROPERTIES

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

10. STABILITY AND REACTIVITY

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

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11. TOXICOLOGICAL INFORMATION

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

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

13. DISPOSAL CONSIDERATIONS

Waste Disposal Methods:	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	
DOT Shipping Name:	Not regulated
Technical Shipping Name:	Sodium Bicarbonate
DOT Hazard Class:	None
UN / NA Number:	None
Hazardous Substance / RQ:	None
DOT Label:	None
ICAO/IATA:	Not Regulated

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15. REGULATORY INFORMATION

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

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

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

Federal, State and International Regulations – Part 2			
Ingredient	CERCLA	RCRA 261.33	TSCA 8 (D)
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
Reactivity: No (Pure / Solid)	Pressure: No	
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

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
DOT	Department of Transportation
EPA	Environmental Protection Agency
°F	Degrees Fahrenheit
FDA	Food & Drug Administration
g / l	Grams per liter
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

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16. OTHER INFORMATION (Continued)

Table of Abbreviations (Continued)

IARC	International Agency for Research on Cancer
LD	Lethal Dose
mg / kg	Milligram per kilogram
mm	Millimeter
SDS	Safety Data Sheet
MSHA	Mine Safety and Health Administration
N / A	Not Applicable
NFPA	National Fire Protection Association
NIOSH	National Institute for Occupational Safety and Health
NTP	National Toxicology Program
OSHA	Occupational Safety and Health Administration
ppm	Parts per million
SARA	Superfund Amendment and Reauthorization Act
STEL	Short-Term Exposure Limit
TSCA	Toxic Substances Control Act
TWA	Time - Weighted Average
U.N.	United Nations
WHMIS	Workplace Hazardous Materials Information System
>	Greater Than
<	Less Than

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Technical Contact:	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.