



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:
Product Use/Description:
Not intended for:

Aleene's Stiffen Quik Fabric Stiffening Spray
Water-Based Polymer
No data.

2. HAZARDS IDENTIFICATION

Classification:	This mixture does not meet the criteria for classification.
Health & Physical Hazard Statement:	No data.
Other Hazards not classified:	No data.
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):

Identity/Synonym	CAS Number	Percentage/Range*
Polyvinyl alcohol	9002-89-5	1 – 5%

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

4. FIRST AID MEASURES

On Inhalation:	Seek fresh air. Consult a physician if symptoms persist.
On Skin Contact:	Wash affected areas thoroughly with soap and water. Consult a physician if irritation persists.
On Eye Contact:	Flush eyes with large amounts of water until irritation subsides. Consult a physician if irritation persists.
On Ingestion:	If swallowed, give two glasses of water to drink. Consult a physician. Never give anything by mouth to an unconscious person.
Acute/Delayed Symptoms:	No data.
Medical Advice:	Treat symptomatically.
Note to Physician:	No data.

5. FIRE FIGHTING MEASURES

Extinguishing Media

Suitable extinguishing media:	Use CO ₂ Dry chemical, foam. Use fire-extinguishing media appropriate for surrounding fire.
Unsuitable extinguishing media:	No data.
Protection of Firefighters	
Specific hazards arising from the chemical:	No data.
Protective equipment for firefighters:	See Section 8 of this SDS.
Will hazardous combustion occur?:	Will not occur.

6. ACCIDENTAL RELEASE MEASURES

Emergency Containment procedures:	No data.
Environmental Precautions, if any?:	
Methods for Cleaning Up:	Spill 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.
Personal Protective Equipment:	See Section 8 of this SDS.

7. HANDLING AND STORAGE

Safe Storage:	Store at temperatures: between 40°F – 100°F.
Safe Handling:	Protect from freezing; keep container sealed when not in use.
Known Incompatibilities:	None known.

8. EXPOSURE CONTROL AND PERSONAL PROTECTION

Occupational Exposure Limits: No special requirements recommended for this mixture.

Appropriate Engineering Controls: No data.

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

Personal Protection Equipment:	
Respiratory Protection:	One required under normal handling conditions.
Eye Protection:	Wear safety glasses with side shields; protect against splashing.
Hand Protection:	Gloves not normally required for foreseeable conditions of use.
Skin Protection:	Protective clothing is normally not necessary for foreseeable conditions of use.
Thermal Protection:	No data.
General Safety and Hygiene Measures:	No special requirements under normal working conditions.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State/Appearance:	Liquid.
Color:	Clear gel
Odor:	Slightly sweet.
Odor Threshold:	N/A
pH:	8 – 9
Boiling Point/Range:	➤ 100°C (212°F)
Melting Point/Range:	Approx. 0°C (32°F)
Flash Point:	➤ 100°C (212°F)
Evaporation Rate:	1 (Water=1)

Vapor Density:	(Air=1); 0.62
Solubility(ies):	Soluble in water.
Vapor Pressure:	17.5 mm Hg @ 20°C (68°F)
Relative Density:	No data.
Viscosity:	No data.
Partition Coefficient (n-octanol/water), if applicable:	N/A
Explosive Properties:	No data.
Flammability: (Solid, gas)	No data.
Flammability Limit in Air: Upper/Lower	No data.
Autoignition temperature:	Unknown.
Decomposition temperature:	No data.

10. STABILITY AND REACTIVITY

Chemical Stability:	Stable.
Conditions to Avoid/Incompatible Materials:	Strong oxidizers; material that react with water.
Hazardous Decomposition Products:	Carbon monoxide, carbon dioxide
Possibility of Hazardous Reactions/Polymerization:	Will not occur.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure:

Eye Contact –Serious Eye Damage or Irritation	Slight irritation, transient.		
Skin Contact – Skin Corrosion, Sensitization or Irritation:	No known signs or symptoms associated with exposure to product.		
Ingestion – Carcinogenicity/Aspiration Hazard:	No known signs or symptoms associated with exposure to product.		
Inhalation – Respiratory Sensitization/Toxicity:	No known signs or symptoms associated with exposure to product.		
Information on toxicological effects:	No data.		
Delayed or Immediate effects:	No data.		
Germ Cell Mutagenicity:	No data.		
Specific target organ toxicity (single exposure):	No data.		
Specific target organ toxicity (repeated exposure):	No data.		
Chemicals listed on NTP, IARC or OSHA as a Carcinogen?:	No data.		
Chemical Name:	Oral LD50	Dermal LD50	Inhalation LC50
Polyvinyl alcohol	8750mg/kg (18750mg/kg) guinea pig 14270mg/kg (14270mg/kg) mouse 23854mg/kg (23854mg/kg) rat	Not established.	Not established.

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

12. ECOLOGICAL INFORMATION (NON-MANDATORY)

Ecotoxicity:	No data available.
Persistence and degradability:	No data available.
Bioaccumulative potential:	No data available.
Mobility in soil:	No data available.

Other adverse effects:	No data available.
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13. DISPOSAL CONSIDERATIONS (NON-MANDATORY)

Disposal instructions:	Waste disposal should be done 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 the SDS and label warnings even after the have been emptied.

14. TRANSPORTATION INFORMATION (NON-MANDATORY)

	DOT	IMDG	IATA
UN/ID number:	NOI 4620 Sub. 5	-	-
Proper shipping name:	Adhesive Glues	-	-
Transport hazard class:	No data.	-	-
Packing group (if applicable):	No data.	-	-
Environmental Provisions:	No data.	-	-
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)

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 data.		
OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050):			No data.		
Section 302 Extremely Hazardous Substance (40 CFR 355, Appendix A):			No data.		
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) Hazardous Chemical:		No 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 contains 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:	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).

16. OTHER INFORMATION

These recommendations and information contained in this MSDS have been compiled from sources believed to represent the most current information available when the MSDS was prepared. However, the manufacturer / distributor of this product does not provide any warranty, guaranty of representation as to the correctness or sufficient 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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END SAFETY DATA SHEET