



MATERIAL SAFETY DATA SHEET

1. COMPANY AND PRODUCT IDENTIFICATION

DUNCAN ENTERPRISES
5673 East Shields Avenue
Fresno, CA 93727
559-291-4444
559-291-9444 (Fax)

EMERGENCY TELEPHONE NUMBERS

Health Emergency: 559-291-4444 7:00 am – 3:30 pm
Pacific Standard 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: ALEENE'S FABRIC FUSION
Synonym Name(s): Water-Based Polyurethane Adhesive

2. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Family: Water solution of soluble polymers
Component CAS Number Concentration %
None classified as hazardous under OSHA Hazard Communication Standard (29 CFR 1910.1200)

3. HAZARDS IDENTIFICATION

Emergency Overview

Eye Contact: Caution: Off-white Liquid with ammonia odor
May cause eye irritation
Skin Contact: Repeated or prolonged skin contact may result in mild irritation
Inhalation: Irritating and/or toxic vapors may be released at elevated temperatures.
Avoid breathing vapors or mists.
Ingestion: Ingestion may cause irritation of the gastrointestinal tract
HMIS Hazard Ratings: Health: 1 (Slight) Flammability: 0 (Minimal)
Reactivity: 0 (Minimal)

4. FIRST AID MEASURES

Eye Contact: Immediately irrigate with eyewash solution or clean water, holding the eyelids apart, for at least 10 minutes. If symptoms develop, obtain medical attention.
Skin Contact: Wash skin with soap and water. If symptoms develop, obtain medical attention.
Inhalation: Remove to fresh air. Get medical attention if irritation persists.
Ingestion: DO NOT induce vomiting. If individual is conscious, give milk or water to dilute stomach contents. Keep warm and quiet. Get prompt medical attention. DO NOT attempt to give anything by mouth to an unconscious person.

5. FIRE FIGHTING MEASURES

Autoignition Temperature: Not Available
Flash Point: > 94° C (Pensky-Martens Closed Tester)
Extinguisher Media: Water spray or fog, CO₂, Dry Chemical, Foam

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5. FIRE FIGHTING MEASURES (Continued)

Special Firefighting Procedures:	Fire fighters should be equipped with self-contained breathing apparatus to protect against potentially toxic and irritating fumes. Dry polymer film will burn.
Fire & Explosion Hazards:	Dry polymer film will burn. Combustion will evolve toxic and irritant vapors.
Hazardous Combustion Products:	Carbon monoxide, carbon dioxide, oxides of nitrogen and unknown organics
Upper Explosive Limit (%):	Not Applicable
Lower Explosive Limit (%):	Not Applicable

6. ACCIDENTAL RELEASE MEASURES

Spill or Leak Procedures:	No smoking, flames or flares in hazard area. Keep unnecessary people away; isolate hazard area and deny entry. Avoid contact. Use suitable protective clothing. Provided it is safe to do so, isolate the source of the leak. Do not allow to enter drains, sewers, or watercourses. Absorb spillages onto sand, earth or any suitable absorbent material. Scrape up and place in suitably labeled container for disposal. Disposal should be in accordance with local, state or national legislation.
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For safety and environmental precautions, please review entire Material Safety Data Sheet for necessary information.

7. HANDLING AND STORAGE

Storage Temperature:	40° - 90°F
Handling / Storage:	Keep containers properly sealed when not in use.
Special Sensitivity:	Avoid excessive heat; protect from freezing

8. EXPOSURE CONTROL AND PERSONAL PROTECTION

Ventilation Requirements:	Use in a well-ventilated area.
Eye Protection Requirements:	Wear safety glasses with side shields to protect against splashing.
Glove Requirements:	Impervious neoprene or rubber gloves are recommended.
Clothing Requirements:	Wear protective clothing to comply with good occupational hygiene practice.
Change / Removal of Clothing:	Remove contaminated clothing and launder before reuse.
Wash Requirements:	Wash before eating, drinking, or using toilet facilities.
Respirator Requirements:	Avoid prolonged or repeated breathing of vapor or mists. If exposure may or does exceed occupational exposure limits, use a NIOSH approved respirator to prevent overexposure.

9. PHYSICAL AND CHEMICAL PROPERTIES

Pure Material or Mixture:	Mixture
Physical Form:	Liquid
Color:	Off-white
Odor:	Ammonia

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9. PHYSICAL AND CHEMICAL PROPERTIES (Continued)

Odor Threshold:	Not Available
pH:	Approximately 8.5
pH in 1% Solution:	Not applicable
Oxidizing Properties:	Not applicable
Boiling Point:	Approximately 212°F
Melting / Freezing Point:	Approximately 32°F
Solubility in Water:	Miscible
Partition Coefficient (n-octanol/water):	Not applicable
Specific Gravity (Water = 1):	1.08
Bulk Density:	9.0 lb / gal
Evaporation Rate (Water = 1):	Not applicable
Vapor Pressure:	Not applicable
Vapor Density (Air = 1):	Not applicable
Volatiles:	Approximately 58% / wt
Volatile Organic Compounds:	Estimated to be 0.25 lb/gal
Autoignition Temperature:	Not available
Flash Point:	> 94° C (Pensky-Martens Closed Tester)

10. STABILITY AND REACTIVITY

Stability:	Stable
Stability Detail:	Stable
Materials to Avoid:	Strong acids, strong bases
Conditions to Avoid:	Elevated temperatures
Hazardous Decomposition Products:	Carbon monoxide, carbon dioxide, unknown hydrocarbons
Hazardous Polymerization:	Hazardous polymerization will not occur.

11. TOXICOLOGICAL INFORMATION

Route of Entry	Eye contact; skin contact; inhalation; ingestion
Carcinogen: IARC, NTP, OSHA Substance Specific Regulation:	There is no evidence that this product poses a carcinogenic risk under normal conditions of handling and use.
Chronic (Long Term) Effects of Exposure	
Target Organs:	Eyes, Skin
Product Toxicology	
Product Information:	Low acute toxicity under normal conditions of handling and use
Irritant Properties:	May cause irritation to skin, eyes, and respiratory system.

12. ECOLOGICAL INFORMATION

Potential Effect on Environment:	Do not allow to enter drains, sewers or watercourses
Mobility:	This product is soluble in water
Potential to Bioaccumulate:	This product has low potential for bioaccumulation
Aquatic Toxicity:	None Established

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13. DISPOSAL CONSIDERATIONS

Waste Disposal Methods: Waste disposal should be in accordance with existing federal, state, or local legislation.
Empty Container Warnings: Empty containers may contain product residue; follow MSDS and label warnings even after they have been emptied.

14. TRANSPORTATION INFORMATION

U.S. Department of Transportation Information

DOT Shipping Name: Adhesive Glues, NOI 4620 Sub. 5
DOT Hazard Class: Non-hazardous
DOT Reportable Quantity: None

United Nations Information

U.N. Number: None
U.N. Class: None

The information provided herein may not include the impact of additional regulatory requirements (e.g., for materials meeting the definition of a hazardous waste under RCRA, hazardous substances under CERCLA, and/or marine pollutants under CWA or other similar federal, state or local laws) or any associated exceptions or exemptions under regulations applicable to the transport of this material.

15. REGULATORY INFORMATION

TSCA: This product is manufactured in compliance with all provisions of the Toxic Substances Control Act, 15 U.S.C. 2601 et. seq.
SARA/Title III: This product contains no substances at or above the reported threshold under Section 313, based on available data.

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:

Component CAS Number

None Reportable

Unless a concentration is specified in Section 2 of the MSDS, the above chemical(s) are present in trace amounts.



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

Table of Abbreviations

ACGIH American Conference of Governmental Industrial Hygienists
ANSI American National Standards Institute
ASTM American Society for Testing Materials

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16. OTHER INFORMATION (Continued)

Table of Abbreviations (Continued)

°C	Degrees Centigrade
CAS	Chemical Abstract Service
CERCLA	Comprehensive Environmental Response, Compensation and Liability Act
CFR	Code of Federal Regulations
CPR	Controlled Products Regulations
DOT	Department of Transportation
EPA	Environmental Protection Agency
°F	Degrees Fahrenheit
FDA	Food & Drug Administration
Hg	Mercury
HMIS	Hazardous Materials Identification System
IARC	International Agency for Research on Cancer
LD	Lethal Dose
mg / kg	Milligram per kilogram
mm	Millimeter
MSDS	Material 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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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.