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RA12684**Duncan****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 CRYSTAL CLEAR TACKY SPRAY**  
Product Category: Solvent - Based Aerosol Adhesive**2. COMPOSITION / INFORMATION ON INGREDIENTS**

Ingredient	CAS #	Weight %	TLV-TWA ppm	TLV-STEL ppm	PEL-TWA ppm	PEL-CEILIN G ppm	Company TLV-TWA ppm	SKIN
Hexane	110-54-3	<25.0	50	N.E.	500	N.E.	N.E.	NO
Acetone	67-64-1	<25.0	500	750	1,000	N.E.	N.E.	NO
Propane	74-98-6	<20.0	2,500	N.E.	1,000	N.E.	N.E.	NO
Dimethyl Ether	115-10-6	<15.0	N.E.	N.E.	N.E.	N.E.	1,000	NO
C12-C14 Isoalkanes	68551-19-9	<5.0	N.E.	N.E.	N.E.	N.E.	400	NO

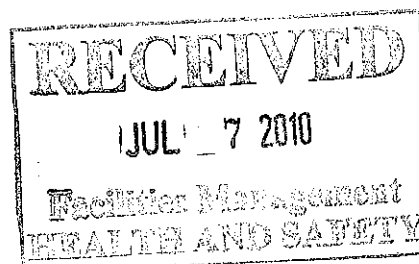
For explanation of abbreviations, see Section 16.

**3. HAZARDS IDENTIFICATION****HMIS Hazard Ratings for Product**

Health:	2	0 = Minimal
Flammability:	4	1 = Slight
Reactivity:	0	2 = Moderate
Personal Protection:	See Section 8	3 = Serious
		4 = Severe
		* = Chronic Effects

**EMERGENCY OVERVIEW**

Keep from reach of children. Do not puncture, incinerate, or place aerosol product containers in compactors. Containers of this material may be hazardous when emptied since containers retain product residues (vapor, liquid, and/or solid). All hazard precautions must be observed. Do not flame cut, braze or use welding torch. Intentional misuse by deliberately concentrating and inhaling this product may be harmful or fatal.

**Primary Route(s) of Entry:** Eye contact, Skin Contact, Skin Absorption, Inhalation**Eye Contact** – Can cause severe irritation, redness, tearing, blurred vision**Skin Contact** – Prolonged or repeated contact can cause moderate irritation, defatting, dermatitis**Inhalation** – Excessive inhalation of vapors can cause nasal and respiratory irritation, dizziness, weakness, fatigue, nausea, headache, possible unconsciousness, and even asphyxiation. Overexposure may cause damage to the nervous system.**Ingestion** – No information available

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**8. EXPOSURE CONTROL AND PERSONAL PROTECTION**

**Engineering Controls:** Provide sufficient mechanical ventilation (general and/or local exhaust) to maintain exposure below TLV(s).

**Respiratory Protection:** If work place exposure limits of product or any component are exceeded, use a NIOSH/MSHA approved respirator. Consult your safety equipment supplier for recommendations.

**Skin Protection:** Wear impervious gloves if method of use involves skin contact with product. Consult your safety supply vendor for glove recommendations.

**Eye Protection:** Wear safety glasses at minimum; more extensive protection may be necessary depending on how the product is to be used.

**Other Protective Equipment:** Wear impervious clothing if bodily exposure is anticipated. Consult your safety supply vendor for recommendations.

**Hygienic Practices:** Wash hands before eating or smoking. Smoke in designated areas only. Remove and launder clothing if contaminated.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

<b>Boiling Range:</b>	-44 – 472 F	<b>Vapor Density:</b>	Heavier than air
<b>Odor:</b>	Mint when wet	<b>Odor Threshold:</b>	N.D.
<b>Appearance:</b>	White Liquid	<b>Evaporation Rate:</b>	Faster than butyl acetate
<b>Solubility in Water:</b>	Negligible	<b>Specific Gravity:</b>	0.7138
<b>Freeze Point:</b>	N.D.	<b>pH:</b>	N.A.
<b>Vapor Pressure:</b>	N.D.	<b>Viscosity</b>	N.D.
<b>Physical State:</b>	Liquid	<b>VOC Product:</b>	378 g/l
<b>Coefficient of Water /</b>	N.D.	<b>VOC Less Exempt</b>	491 g/l
<b>Oil Distribution:</b>		<b>Solvents (Acetone)</b>	
<b>% Volatiles / Wt.</b>	79.9	<b>% Volatiles / Vol.</b>	85.6

**10. STABILITY AND REACTIVITY**

**Conditions to Avoid:** Heat, sparks, welding arcs, open flame, pilot lights, static electricity or other source of ignition.

**Incompatibilities:** Oxidizing agents, acids, reducing agents, strong oxidizers

**Hazardous Decomposition Products:** carbon monoxide and carbon dioxide, various hydrocarbons, acetic acid, sulfur dioxide, nitrogen oxide, nitrogen peroxide, sulfur monoxide

**Hazardous Polymerization:** will not occur under normal conditions

**Stability:** This product is stable under normal storage conditions

**11. TOXICOLOGICAL INFORMATION**

**Effects of Overexposure - Acute**

**Eye Contact** – Can cause severe irritation, redness, tearing, blurred vision

**Skin Contact** – Prolonged or repeated contact can cause moderate irritation, defatting, dermatitis

**Inhalation** – Excessive inhalation of vapors can cause nasal and respiratory irritation, dizziness, weakness, fatigue, nausea, headache, possible unconsciousness, and even asphyxiation. Overexposure may cause damage to the nervous system.

**Ingestion** – No information available

**Effects of Overexposure – Chronic**

Overexposure to this material (or its components) has been found to cause the following effects in laboratory animals: damage to the kidney, eye, liver, lung, nasal cavity, nervous system, and testes

Overexposure to this material (or its components) has been found to cause the following effects in humans: visual impairment and central nervous system effects

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**16. OTHER INFORMATION (Continued)**

<b>MITI</b>	Ministry of International Trade and Industry
<b>mm</b>	Millimeter
<b>MSDS</b>	Material Safety Data Sheet
<b>MSHA</b>	Mine Safety and Health Administration
<b>N.A.</b>	Not Applicable
<b>N.D.</b>	Not Determined
<b>N.E.</b>	Not Established
<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>PEL</b>	Permissible Exposure Limit
<b>ppm</b>	Parts per million
<b>SARA</b>	Superfund Amendment and Reauthorization Act
<b>STEL</b>	Short-Term Exposure Limit
<b>TDG</b>	Transport Dangerous Goods
<b>TLV</b>	Threshold Limit Value
<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

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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.