

# Material Safety Data Sheet

Section I: Product Identification and Uses		
Product	FRAYCHECK II	<b>Emergency Phone Numbers</b> CHEMTREC - (800) 424-9300 24 Hours Daily (201) 748-5500 (USA) 7:30 A.M. - 4:00 P.M. EST - M-F
General Use	Textile Anti Fray	
Description	Nylon Terpolymer in Alcohol Solution	

Section II: Ingredients					
Name	CAS #	Exposure Limits			% by Weight
		OSHA 8 Hr. TWA (ppm)	STEL (ppm)	ACGIH (ppm)	
Ethanol	64-17-5	1000		1000	
Nylon Terpolymer	25191-90-6				
Water	7732-18-5				
Methanol	67-56-1	200	250	200	<3.0%
Methyl Isobutyl Ketone	108-10-1	50	75	50	<1.5%

Section III: Hazards Identification	
Emergency Overview	Clear, flammable liquid with alcohol odor. Irritating to eyes and respiratory tract.
Potential Health Effects:	
Inhalation	High vapor concentrations may cause a burning sensation in the nose and throat. Dizziness, nausea, drowsiness and vomiting may also occur.
Skin Contact	Prolonged or repeated skin contact can cause drying and brittleness.
Eye Contact	May cause irritation. There may be mild to moderate conjunctivitis.
Ingestion	May cause dizziness, euphoria, nausea, vomiting and lack of coordination. Long term repeated oral exposure to Ethanol may result in the development of progressive liver injury with fibrosis.
Chronic	No Additional Information
Carcinogenicity	None of the components in this material are listed by IARC, NTP, OSHA or ACGIH as a carcinogen.

Section IV: First Aid Measures		FRAYCHECK 11	Page 2 of 4
Eye Contact	Flush eyes with water for at least 15 minutes. If irritation persists, contact a physician.		
Skin Contact	Remove contaminated clothing and wash contaminated skin with large amounts of water. If irritation persists, contact a physician.		
Inhalation	Remove patient from contaminated area. If breathing has stopped, give artificial respiration. Contact a physician immediately.		
Ingestion	Induce vomiting of conscious patient immediately. Contact a physician immediately.		
Note to Physicians	Mild intoxication occurs at blood levels of 0.05%-0.15%. Severe poisoning occurs when the blood Ethanol level is 0.3%-0.5%. Above 0.5%, the patient will be comatose and death can occur.		

Section V: Fire and Explosion Data	
The Product Is	Flammable
Auto-Ignition Temperature	793°F (422°C)
Fire Degradation Products	Carbon Oxides (CO, CO <sub>2</sub> ), Nitrogen Oxide (NO, NO <sub>2</sub> )
Flash Point	57°F (14°C) TCC
Flammable Limits	3.3 to 19.0% by Volume
Fire Extinguishing Procedures	Use CO <sub>2</sub> or dry chemical for small fires; alcohol type or all purpose type foams for large fires. Use water spray to cool fire exposed containers and structures. Wear self-contained breathing apparatus and complete personal protective equipment when potential for exposure to vapors or products of combustion exist.
Flammability	Flammable liquid; may release vapors that form flammable mixtures when temperatures are at or above the flash point. Vapor is heavier than air and can travel considerable distances to a source of ignition and flashback.

Section VI: Accidental Release Measures	
Spill and Leak	Eliminate ignition sources. Wear suitable protective equipment. Small spills may be flushed with large quantities of water. Larger spills should be collected for disposal.
Protective Clothing in Case of Large Spill	Respirator: Use supplied air respirator (self-contained or air-line) in high vapor concentrations. Eye Protection: Chemical Safety Goggles Gloves: Rubber or vinyl gloves A safety shower and eyewash should be available.
Waste Disposal	All disposal should be in accordance with federal, state and local regulations.

Section VII. Handling and Storage		FRAYCHECK	Page 3 of 4
Handling	General: - Keep containers closed when not in use. Loosen closure cautiously before opening. - Use spark proof tools and explosion proof equipment. - Avoid breathing vapor. - Avoid contact with eyes, skin and clothing.		
Storage	Storage Temperature: Ambient - (Preferably 77°F (25°C)) Storage Pressure: Atmospheric General: - Store in a cool, well ventilated place away from heat, sparks and flame. - Ground and bond containers when transferring materials. - Use only DOT approved containers. - Empty containers may retain hazardous properties.		
Precautions	Conditions to Avoid: Heat, Sparks, Flame. The use of local exhaust equipment is recommended to control emissions near the source.		

Section VIII. Exposure Controls/Personal Protection	
Engineering Controls:	This product should be confined within closed equipment, in which case, general (mechanical) room ventilation should be satisfactory. Special, local ventilation is needed at points where vapors are expected to escape to the workplace air.
Personal Protection:	
Eye Protection:	Chemical Safety Glasses
Gloves:	Rubber or vinyl gloves
Respirator:	Supplied air respirator (self-contained or air-line) in high vapor concentrations.
Other:	A safety shower and eyewash should be available.

Section IX. Physical Data	
Physical State and Appearance	Clear Liquid
Solubility in Water	Insoluble resin in soluble carrier.
Odor	Alcohol
Melting Point	Not Applicable
Boiling Point	171°F (77°C)
Specific Gravity	0.86
Vapor Density	(Air = 1) 1.6
Vapor Pressure	43.4 mm Hg
Evaporation Rate	(Bu Ac = 1) 3.6

**Section X: Reactivity Data** FRAYCHECK II Page 4 of 4

**Stability** This product is stable. Hazardous polymerization will not occur.

**Hazardous Decomp. Products** Carbon Monoxide, Ammonia, Organic Acids and Aldehydes.

**Conditions to Avoid** Heat, Sparks, Flame

**Incompatible Materials** Concentrated Nitric and Sulfuric Acids, strong oxidizing agents.

**Section XI: Transportation Information**

**DOT** Shipping Name: Adhesive, (containing Ethanol)

**DOT ID:** UN1133

**Hazard Class:** 3, Flammable Liquid

**Packaging Group:** II

**Remarks:**

**Section XII: Other Information**

**HMIS: HEALTH 1 FLAMMABILITY 3 REACTIVITY 0**

Consult your supervisor for recommended personal protective equipment when using this product.

**California Proposition 65:** The following statement is made in order to comply with the California Safe Drinking Water and Toxic Enforcement Act of 1986. This product contains a chemical(s) known to the State of California to cause cancer and/or reproductive toxicity.

**Prepared By:** J. Marks | **Date of Last Revision:** May 15, 1996

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