

SAFETY DATA SHEET

FRAY CHECK

Prepared according to U.S. OSHA, CMA, ANSI, Canadian WHMIS regulations

SECTION 1 - PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: **FRAY CHECK**
PRODUCT DESCRIPTION: Liquid Adhesive
PRODUCT NAME: No Sew Kit (Fray Check Component) , Fray Check, Fray Check Liquid Seam Sealant with Fabric Guide Applicator, Fray Check Liquid Seam Sealant, Care and Repair Seam Sealant
SKU PRODUCT NUMBER: 246, 399, 674, 1674, 44154, C574, 674C, 674LA, 9654, SA674NB, SA674C, NL674, NL674B
U.N. NUMBER: UN1133
U.N. DANGEROUS GOODS CLASS: Adhesive, containing a Flammable Liquid, Class 3, PGIII
SUPPLIER/MANUFACTURER'S NAME: Dharma Trading Co.
ADDRESS: 1805 S. McDowell Blvd. Ext., Petaluma, CA 94945
BUSINESS PHONE: 800-542-5227
BUSINESS FAX: 707-283-0379
DATE OF PREPARATION: August 5, 2013
DATE OF LAST REVISION: January 6, 2011

SECTION 2 - HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW: This product is a clear liquid with an alcohol odor. Exposure to this product can be irritating to eyes, respiratory system and skin. Vapors may cause dizziness or drowsiness. It is a flammable liquid with a flash point of 77° F (25°C) TCC.. The Environmental effects of this product have not been investigated

US DOT SYMBOLS



CANADA (WHMIS) SYMBOLS



GHS PICTOGRAMS:



COMPONENTS DETERMINED: n-Propanol, Nylon Terpolymer
GHS HAZARD CLASSIFICATION(S):

Flammable Liquid Category 2
Skin Irritant Category 2
Eye Damage Category 1
STOT SE Category 3

SIGNAL WORD: Danger!

HAZARD STATEMENTS:

- Highly flammable liquid and vapor
- Causes mild skin irritation
- Causes serious eye damage
- May cause respiratory irritation

PRECAUTIONARY STATEMENTS:

- Keep away from heat/sparks/open flame/hot surfaces – No smoking
- Avoid exposure
- Avoid breathing dust/fume/gas/mist/vapors/spray
- In case of an accident or if you feel unwell – seek medical advice and show label

HEALTH HAZARDS OR RISKS FROM EXPOSURE :

ACUTE:

INHALATION: Can cause nausea, dizziness, headache and stupor. Irritates nasal passages and throat

EYE CONTACT: Direct eye contact can cause severe irritation. Damage reversible.

SKIN CONTACT: Prolonged or repeated contact with liquid product can cause drying and brittleness.

INGESTION: Can cause nausea, dizziness headache and gastrointestinal irritation.



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CHRONIC: Prolonged or repeated exposure may cause dermatitis or drying of the skin.

TARGET ORGANS: ACUTE: Eye, Respiratory System, Skin CHRONIC: Skin

SECTION 3 - COMPOSITION and INFORMATION ON INGREDIENTS

HAZARDS DISCLOSURE: This product does contain known hazardous materials in reportable levels as defined by the OSHA Hazard Communication Standard 29 CFR 1910.1200. As defined under Sara 311 and 312, this product contains known hazardous materials.

HAZARDOUS INGREDIENTS:	CAS #	EINECS #	ICSC #	WT %	HAZARD CLASSIFICATION; RISK PHRASES
n-Propanol	71-23-8	200-746-9	0553	50 – 70%	HAZARD CLASSIFICATION: [F] Flammable, [Xi] Irritant RISK PHRASES: R11, R41, R67
Nylon Terpolymer	25191-90-6	Not Listed	Not Listed	5 – 20%	HAZARD CLASSIFICATION: [Xi] Irritant RISK PHRASES: R36/38
Water	7732-18-5	231-791-2	Not Listed	10 – 25%	HAZARD CLASSIFICATION: None RISK PHRASES: None
Each of the other components present are less than 1 percent concentration (0.1% concentration for potential carcinogens, reproductive toxins, respiratory tract sensitizers, and mutagens)					

NOTE: ALL WHMIS required information is included in appropriate sections based on the ANSI Z400.1-2010 format.

SECTION 4 - FIRST-AID MEASURES

Contaminated individuals of chemical exposure must be taken for medical attention if any adverse effect occurs. Rescuers should be taken for medical attention, if necessary. Take copy of label and MSDS to health professional with contaminated individual.

EYE CONTACT: If product enters the eyes, open eyes while under gentle running water for at least 15 minutes. Seek medical attention immediately.

SKIN CONTACT: Wash skin thoroughly after handling. Seek medical attention if irritation develops and persists.

INHALATION: If breathing becomes difficult, remove victim to fresh air. If necessary, use artificial respiration to support vital functions. Seek medical attention immediately.

INGESTION: If product is swallowed, call physician or poison control center for most current information. If professional advice is not available, do not induce vomiting. Never induce vomiting or give diluents (milk or water) to someone who is unconscious, having convulsions, or who cannot swallow. Seek medical advice. Take a copy of the label and/or MSDS with the victim to the health professional.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: Individuals with pre-existing skin or respiratory conditions may have these conditions aggravated when exposed to this product.

RECOMMENDATIONS TO PHYSICIANS: Treat symptoms and reduce over-exposure.

SECTION 5 - FIRE-FIGHTING MEASURES

FLASH POINT:	77°F (25°C)
AUTOIGNITION TEMPERATURE:	700°F (371°C)
FLAMMABLE LIMITS (in air by volume, %):	<u>Lower (LEL):</u> 2.2% <u>Upper (UEL):</u> 14.0%
FIRE EXTINGUISHING MATERIALS:	Use CO ₂ or dry chemical for small fires; aqueous film forming foam or water spray for large fires. Water may be ineffective but should be used to cool fire exposed structures and vessels.
UNUSUAL FIRE AND EXPLOSION HAZARDS:	This product is a flammable liquid and vapor. Vapor is heavier than air and can travel considerable distances to a source of ignition and flashback.
<u>Explosion Sensitivity to Mechanical Impact:</u>	Not Sensitive.
<u>Explosion Sensitivity to Static Discharge:</u>	Sensitive

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SPECIAL FIRE-FIGHTING PROCEDURES:
NFPA Rating System



Incipient fire responders should wear eye protection. Structural firefighters must wear Self-Contained Breathing Apparatus and full protective equipment. Isolate materials not yet involved in the fire and protect personnel. Move containers from fire area if this can be done without risk; otherwise, cool with carefully applied water spray. If possible, prevent runoff water from entering storm drains, bodies of water, or other environmentally sensitive areas.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

SPILL AND LEAK RESPONSE: Personnel should be trained for spill response operations. Eliminate ignition sources. Contain spill if safe to do so. Soak up with an absorbent material and place in an appropriate closed container for disposal. Prevent entry into drains, sewers, and other waterways. Dispose of in accordance with applicable Federal, State, and local procedures (see Section 13, Disposal Considerations)

SECTION 7 - HANDLING and STORAGE

WORK PRACTICES AND HYGIENE PRACTICES: As with all chemicals, avoid getting this product on you. Wash thoroughly after handling this product. Use in a well-ventilated location.

STORAGE AND HANDLING PRACTICES: Keep containers closed when not in use. Protect containers against physical damage. Store in a cool, dry, well-ventilated area away from sources of ignition.

SECTION 8 - EXPOSURE CONTROLS - PERSONAL PROTECTION

EXPOSURE LIMITS/GUIDELINES:

Chemical Name	CAS#	ACGIH TWA	OSHA TWA
n-Propanol	71-23-8	100 ppm	200 ppm
Nylon Terpolymer	25191-90-6	Not Listed	Not Listed
Water	7732-18-5	Not Listed	Not Listed

Currently, International exposure limits are not established for all the components of this product. Please check with competent authority in each country for the most recent limits in place.

VENTILATION AND ENGINEERING CONTROLS: Use with adequate ventilation to ensure exposure levels are maintained below the limits provided above. Use local exhaust ventilation to control airborne vapors.

The following information on appropriate Personal Protective Equipment is provided to assist employers in complying with OSHA regulations found in 29 CFR Subpart I (beginning at 1910.132) or equivalent standard of Canada. Please reference applicable regulations and standards for relevant details.

RESPIRATORY PROTECTION: Maintain airborne contaminant concentrations below guidelines listed above, if applicable. If necessary, use only respiratory protection authorized in the U.S. Federal OSHA Respiratory Protection Standard (29 CFR 1910.134), equivalent U.S. State standards, Canadian CSA Standard Z94.4-93.

EYE PROTECTION: Safety glasses or chemical goggles as appropriate were contact is possible. If necessary, refer to U.S. OSHA 29 CFR 1910.133 or appropriate Canadian Standards.

HAND PROTECTION: Use gloves as appropriate to prevent skin contact. If necessary, refer to U.S. OSHA 29 CFR 1910.138 or appropriate Standards of Canada.

BODY PROTECTION: Use body protection appropriate to prevent skin contact (e.g. lab coat, overalls). If necessary, refer to appropriate Standards of Canada, or appropriate Standards of the EU, Australian Standards, or relevant Japanese Standards.

SECTION 9 - PHYSICAL and CHEMICAL PROPERTIES

PHYSICAL STATE:	Liquid
APPEARANCE & ODOR:	Clear liquid with an alcohol odor.
ODOR THRESHOLD (PPM):	Not Available
VAPOR PRESSURE (mmHg):	10 mm Hg
VAPOR DENSITY (AIR=1):	2.07



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EVAPORATION RATE (nBuAc = 1):	1.33
BOILING POINT (C°):	97°C (207°F)
FREEZING POINT (C°):	Not Available
pH:	Not Applicable
SPECIFIC GRAVITY 20°C: (WATER =1)	0.886
SOLUBILITY IN WATER (%)	Miscible
VOC:	<70%

SECTION 10 - STABILITY and REACTIVITY

STABILITY: Product is stable

DECOMPOSITION PRODUCTS: When heated to decomposition this product produces Oxides of carbon (COx), and Hydrocarbons

MATERIALS WITH WHICH SUBSTANCE IS INCOMPATIBLE: Strong oxidizing agents.

HAZARDOUS POLYMERIZATION: Will not occur.

CONDITIONS TO AVOID: Contact with incompatible materials.

SECTION 11 - TOXICOLOGICAL INFORMATION

TOXICITY DATA: Toxicity data is available for the following components:

CAS# 71-23-8 Oral LD50 2200 mg/kg Rat

SUSPECTED CANCER AGENT: None of the ingredients are found on the following lists: FEDERAL OSHA Z LIST, NTP, CAL/OSHA, IARC and therefore is not considered to be, nor suspected to be a cancer-causing agent by these agencies.

IRRITANCY OF PRODUCT: Contact with this product can be irritating to skin, respiratory system and eyes.

SENSITIZATION OF PRODUCT: Ingredients in this product are not considered a sensitizer.

REPRODUCTIVE TOXICITY INFORMATION: No information concerning the effects of this product and its components on the human reproductive system.

SECTION 12 - ECOLOGICAL INFORMATION

ALL WORK PRACTICES MUST BE AIMED AT ELIMINATING ENVIRONMENTAL CONTAMINATION.

ENVIRONMENTAL STABILITY: No Data available at this time.

EFFECT OF MATERIAL ON PLANTS or ANIMALS: No evidence is currently available on this product's effects on plants or animals.

EFFECT OF CHEMICAL ON AQUATIC LIFE: No evidence is currently available on this product's effects on aquatic life.

SECTION 13 - DISPOSAL CONSIDERATIONS

PREPARING WASTES FOR DISPOSAL: Waste disposal must be in accordance with appropriate Federal, State, and local regulations, those of Canada, Australia, EU Member States and Japan.

SECTION 14 - TRANSPORTATION INFORMATION

US DOT; IATA; IMO; ADR:

THIS PRODUCT IS HAZARDOUS AS DEFINED BY 49 CFR 172.101 BY THE U.S. DEPARTMENT OF TRANSPORTATION.

This product can be shipped as a 'Limited Quantity' as follows: For flammable liquids in Packing Group III and combustible liquids, inner packagings not over 5.0 L (1.3 gallons) net capacity each, packed in strong outer packagings.

PROPER SHIPPING NAME: Adhesives, containing a Flammable Liquid

UN IDENTIFICATION NUMBER: UN 1133

PACKING GROUP: PGIII

DOT LABEL(S) REQUIRED: Flammable Liquid

NORTH AMERICAN EMERGENCY RESPONSE GUIDEBOOK NUMBER (2004): 128

MARINE POLLUTANT: None of the ingredients are classified by the DOT as a Marine Pollutant (as defined by 49 CFR 172.101, Appendix B)

U.S. DEPARTMENT OF TRANSPORTATION (DOT) SHIPPING REGULATIONS:

This product is classified as dangerous goods, per U.S. DOT regulations, under 49 CFR 172.101.



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TRANSPORT CANADA, TRANSPORTATION OF DANGEROUS GOODS REGULATIONS:

This product is classified as Dangerous Goods, per regulations of Transport Canada.

INTERNATIONAL AIR TRANSPORT ASSOCIATION (IATA):

This product is classified as Dangerous Goods, by rules of IATA:

Quantity Limits - 60L for passenger aircraft or 220L for cargo aircraft.

INTERNATIONAL MARITIME ORGANIZATION (IMO) DESIGNATION:

This product is classified as Dangerous Goods by the International Maritime Organization.

SECTION 15 - REGULATORY INFORMATION

UNITED STATES REGULATIONS

SARA REPORTING REQUIREMENTS: This product is not subject to the reporting requirements of Sections 302, 304 and 313 of Title III of the Superfund Amendments and Reauthorization Act., as follows: None

TSCA: All components in this product are listed on the US Toxic Substances Control Act (TSCA) inventory of chemicals.

SARA 311/312:

Acute Health: Yes Chronic Health: No Fire: No Reactivity: No

U.S. SARA THRESHOLD PLANNING QUANTITY: There are no specific Threshold Planning Quantities for this product. The default Federal MSDS submission and inventory requirement filing threshold of 10,000 lb (4,540 kg) may apply, per 40 CFR 370.20.

U.S. CERCLA REPORTABLE QUANTITY (RQ): None

CALIFORNIA SAFE DRINKING WATER AND TOXIC ENFORCEMENT ACT (PROPOSITION 65): None of the ingredients are on the California Proposition 65 lists.

CANADIAN REGULATIONS:

CANADIAN DSL/NDL INVENTORY STATUS: All of the components of this product are on the DSL Inventory

CANADIAN ENVIRONMENTAL PROTECTION ACT (CEPA) PRIORITIES SUBSTANCES LISTS: No component of this product is on the CEPA First Priorities Substance Lists.

CANADIAN WHMIS CLASSIFICATION and SYMBOLS: This is considered to be a hazardous material under the Hazardous Products Act as defined by the Controlled Products Regulations and is therefore subject to the labeling and MSDS requirements of the Workplace Hazardous Materials Information System (WHMIS). Class B Division 2 and Class D Division 2A

INTERNATIONAL CHEMICAL INVENTORIES:

Listing of the components on individual country Chemical Inventories is as follows:

Asia-Pac:	Listed or Exempt
Australian Inventory of Chemical Substances (AICS):	Listed or Exempt
Korean Existing Chemicals List (ECL):	Listed or Exempt
Japanese Existing National Inventory of Chemical Substances (ENCS):	Listed or Exempt
Philippines Inventory of Chemicals and Chemical Substances (PICCS):	Listed or Exempt
Swiss Giftlist List of Toxic Substances:	Listed or Exempt
U.S. TSCA:	Listed or Exempt

SECTION 16 - OTHER INFORMATION

PREPARED BY: Paul Eigbrett

GHS MSDS Compliance PLUS

Disclaimer:

To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

Footnote: Based on Sterling674N1GP-2013

For users operating under the California South Coast Air Quality Management Regulations:

1: 688 Grams of VOC per liter of Adhesive less weight of water less weight of excluded material

2: 498 Grams of VOC per liter of Adhesive