

MATERIAL SAFETY DATA SHEET

Finished Product



Date Issued: 01/07/2003

MSDS No: 2105-G

Date Revised: 05/11/2010

Revision No: 4

Fine-L-Kote UR Thinner

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: Fine-L-Kote UR Thinner

PRODUCT DESCRIPTION: Urethane Conformal Coating Thinner

PRODUCT CODE: 2105CAN/EUR-G

ACTIVE INGREDIENT(S): n-Propyl acetate

MANUFACTURER

Techspray, L.P.
1001 N.W. 1st Street
P.O. Box 949
Amarillo TX 79107

Emergency Contact: Chemtrec

Product Stewardship: 1-800-858-4043

Service Number: 1-800-858-4043

24 HR. EMERGENCY TELEPHONE NUMBERS

CHEMTREC (US Transportation) :(800) 424 - 9300

CANUTEC (Canadian Transportation) :(613) 996 - 6666

Emergency Phone :(800) 858 - 4043

2. HAZARDS IDENTIFICATION

HAZARD DESIGNATION

"F" - Highly flammable

R11 - Highly flammable.

"Xi" - Irritant

R36/37/38 - Irritating to eyes, respiratory system and skin.

R52/53 - Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

EMERGENCY OVERVIEW

IMMEDIATE CONCERNS: Flammable liquid and vapor. Vapors and/or aerosols which may be formed at elevated temperatures may be irritating to eyes and respiratory tract.

POTENTIAL HEALTH EFFECTS

EYES: Irritating, and may injure eye tissue if not removed promptly.

SKIN: Prolonged or repeated contact may cause skin irritation.

INGESTION: Harmful if swallowed.

INHALATION: Prolonged or repeated inhalation may cause lung damage and/or central nervous system disturbances.

SIGNS AND SYMPTOMS OF OVEREXPOSURE

EYES: Symptoms of overexposure include: stinging, tearing, redness and pain.

SKIN: Prolonged exposure causes redness, pain, drying and cracking of the skin.

INGESTION: Swallowing of this material may result in nausea, vomiting and weakness followed by central nervous system depression.

INHALATION: High concentrations may lead to central nervous system effects (drowsiness, dizziness, nausea, headaches, paralysis and loss of consciousness).

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ACUTE TOXICITY: Overexposure may cause dizziness and loss of concentration. At higher levels, CNS depression and cardiac arrhythmia may result.

CARCINOGENICITY: Not Established

REPRODUCTIVE TOXICITY

TERATOGENIC EFFECTS: Not considered a developmental toxicant.

ROUTES OF ENTRY: Inhalation is major route of entry.

SENSITIZATION: Possible cardiac sensitization.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	Wt. %	CAS	EINECS
n-Propyl acetate	100	109-60-4	2036861

4. FIRST AID MEASURES

EYES: Immediately flush eyes with plenty of water for at least 15 minutes. Get immediate medical attention.

SKIN: Immediately flush with large amounts of water. Use soap if available. Remove contaminated clothing, including shoes, after flushing has begun. Get prompt medical attention.

INGESTION: If swallowed, do not induce vomiting. If conscious and alert, give two glasses of water. Seek medical attention.

INHALATION: Remove to fresh air. If not breathing, give artificial respiration or give oxygen by trained personnel. Seek immediate medical attention.

5. FIRE FIGHTING MEASURES

FLASHPOINT AND METHOD: (58°F) TAG CC

FLAMMABLE LIMITS: LEL: 1.7% to UEL:8.0%

GENERAL HAZARD: Flammable Liquid. Can release vapors that form explosive mixtures at temperatures at or above the flash point.

EXTINGUISHING MEDIA: Water, foam, dry chemical, carbon dioxide.

HAZARDOUS COMBUSTION PRODUCTS: Smoke, fumes and oxides of carbon.

EXPLOSION HAZARDS: Vapors may form explosive mixture with air.

FIRE FIGHTING PROCEDURES: Use water spray to keep fire-exposed containers cool and to knock down vapors which may result from product decomposition.

FIRE FIGHTING EQUIPMENT: As in any fire, wear self-contained breathing apparatus pressure-

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demand, (MSHA/NIOSH approved or equivalent) and full protective gear.

6. ACCIDENTAL RELEASE MEASURES

SMALL SPILL: Dike area to contain spill. Take precautions as necessary to prevent contamination of ground and surface waters. Recover spilled material on adsorbent, such as sawdust or vermiculite, and sweep into closed containers for disposal. After all visible traces, including ignitable vapors, have been removed thoroughly wet vacuum the area. Do not flush to sewer. If area of spill is porous, remove as much contaminated earth and gravel, etc. as necessary and place in closed containers for disposal.

ENVIRONMENTAL PRECAUTIONS

WATER SPILL: This material is a water pollutant and should be prevented from contaminating soil or from entering sewage and drainage systems and bodies of water.

GENERAL PROCEDURES: Dike area to contain spill. Take precautions as necessary to prevent contamination of ground and surface waters. Recover spilled material on adsorbent, such as sawdust or vermiculite, and sweep into closed containers for disposal. After all visible traces, including vapors, have been removed thoroughly wet vacuum the area. Do not flush to sewer. If area of spill is porous, remove as much contaminated earth, gravel, etc. as necessary and place in closed containers for disposal.

RELEASE NOTES: Spills and releases may have to be reported to Federal and/or local authorities.

7. HANDLING AND STORAGE

HANDLING: Empty containers will retain product residue and vapor and should be handled as if they were full.

STORAGE: Store in a cool place in original container and protect from sunlight.

STORAGE TEMPERATURE: Store in a cool place below (120) F (49) C.

STORAGE PRESSURE: Store at local atmospheric pressure.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION**EXPOSURE GUIDELINES**

OSHA HAZARDOUS COMPONENTS (29 CFR1910.1200)					
		EXPOSURE LIMITS			
		OSHA PEL		ACGIH TLV	
Chemical Name		ppm	mg/m ³	ppm	mg/m ³
n-Propyl acetate	TWA		200 ppm		200 ppm
	STEL		250 ppm		250 ppm

ENGINEERING CONTROLS: Use process enclosures, local exhaust ventilation, or other engineering

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controls to control airborne levels below recommended exposure limits.

PERSONAL PROTECTIVE EQUIPMENT

EYES AND FACE: Wear safety glasses with side shields (or goggles) and a face shield.

SKIN: The glove(s) listed below may provide protection against permeation. Gloves of other chemically resistant materials may not provide adequate protection. Viton, Solvex, Butyl, Buna, Neoprene.

RESPIRATORY: A respiratory protection program that meets OSHA 1910.134 and ANSI Z88.2 requirements must be followed whenever workplace conditions warrant a respirator's use.

WORK HYGIENIC PRACTICES: Wash hands before eating and wash before reuse.

OTHER USE PRECAUTIONS: Emergency shower and eyewash facility should be in close proximity.

9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE: Liquid

ODOR: Sweet ester odor.

APPEARANCE: Clear, Colorless liquid

COLOR: Colorless

PERCENT VOLATILE: 100

VAPOR PRESSURE: 25 mmHg at 20°C

VAPOR DENSITY: 3.5 (Air=1)

BOILING POINT: 102°C

FREEZING POINT: Not Determined

FLASHPOINT AND METHOD: (58°F) TAG CC

SOLUBILITY IN WATER: < 1

Notes: % by weight in water

EVAPORATION RATE: Not Established

DENSITY: 0.888

(VOC): 887.000 g/L (non-exempt VOC)

10. STABILITY AND REACTIVITY

STABLE: Yes

HAZARDOUS POLYMERIZATION: No

STABILITY: Stable.

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Fine-L-Kote UR Thinner**POLYMERIZATION:** Will not occur.**CONDITIONS TO AVOID:** Heat, flames, ignition sources, and incompatibles.**HAZARDOUS DECOMPOSITION PRODUCTS:** Oxides of Carbon (CO and CO₂) may form when heated to decomposition.**INCOMPATIBLE MATERIALS:** Metals. Acidic conditions. Oxidizing materials.**11. TOXICOLOGICAL INFORMATION****ACUTE**

Chemical Name	ORAL LD ₅₀ (rat)	DERMAL LD ₅₀ (rabbit)	INHALATION LC ₅₀ (rat)
n-Propyl acetate	9370 mg/kg	> 20 ml/kg	8000 ppm

EYES: Moderately to severely irritating**DERMAL LD₅₀:** > 20 mg/kg (rabbit)**ORAL LD₅₀:** 9370 mg/kg (rat)**EYE EFFECTS:** High vapor concentrations may cause moderate to severe eye irritation.**SKIN EFFECTS:** Causes irritation to skin.**CARCINOGENICITY**

Chemical Name	NTP Status	IARC Status	OSHA Status
n-Propyl acetate	NOT LISTED	NOT LISTED	NOT LISTED

IARC: NOT listed**NTP:** NOT listed**OSHA:** NOT listed**12. ECOLOGICAL INFORMATION****ENVIRONMENTAL DATA:** Oxygen Demand Data- (information for n-Propyl Acetate) BOD-5: 134 g oxygen/g ThOD: 2.04 g oxygen/g**13. DISPOSAL CONSIDERATIONS****DISPOSAL METHOD:** Federal, State, and Local laws governing disposal of materials can differ. Ensure compliance with proper authorities before disposal.**GENERAL COMMENTS:** Dispose of in a manner consistent with federal, state, and local regulations.

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Fine-L-Kote UR Thinner**14. TRANSPORT INFORMATION****DOT (DEPARTMENT OF TRANSPORTATION)****PROPER SHIPPING NAME:** n-Propyl acetate**PRIMARY HAZARD CLASS/DIVISION:** 3**UN/NA NUMBER:** UN1276**PACKING GROUP:** II**OTHER SHIPPING INFORMATION:** When Shipping in pints, classify as consumer commodity**ROAD AND RAIL (ADR/RID)****KEMLER NUMBER:** UN1276**HAZARD CLASS:** 3**AIR (ICAO/IATA)****SHIPPING NAME:** n-Propyl acetate**UN/NA NUMBER:** UN1276**PRIMARY HAZARD CLASS/DIVISION:** 3**PACKING GROUP:** II**NOTE:** Domestic shipments only. When shipping International contact TechSpray shipping department.**VESSEL (IMO/IMDG)****SHIPPING NAME:** n-Propyl acetate**UN/NA NUMBER:** UN1276**PRIMARY HAZARD CLASS/DIVISION:** 3.2**PACKING GROUP:** II**NOTE:** Page 3274.**15. REGULATORY INFORMATION****UNITED STATES****SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)****311/312 HAZARD CATEGORIES:** IMMEDIATE / DELAYED**FIRE:** Yes **ACUTE:** Yes**313 REPORTABLE INGREDIENTS:** Not considered a SARA 313 "Toxic Chemical".**TSCA (TOXIC SUBSTANCE CONTROL ACT)**

Chemical Name	CAS
n-Propyl acetate	109-60-4

TSCA REGULATORY: This product is listed on the TSCA Inventory.

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Fine-L-Kote UR Thinner**OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA)****29 CFR1910.119---PROCESS SAFETY MANAGEMENT OF HIGHLY HAZARDOUS**

CHEMICALS: None of the chemicals in this product are considered highly hazardous by OSHA.

CALIFORNIA PROPOSITION 65: This product does not contain any chemicals known to the State of California to cause cancer.

RCRA STATUS: D001

OSHA HAZARD COMM. RULE: Contents of this MSDS comply with the OSHA Hazard Communication Standard 29 CFR 1910.1200.

CANADA

WHMIS (WORKPLACE HAZARDOUS MATERIALS INFORMATION SYSTEM): This MSDS has been prepared according to the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all of the information required by the CPR.

EUROPEAN COMMUNITY**EEC LABEL SYMBOL AND CLASSIFICATION**

"F" - Highly flammable
 R11 - Highly flammable.



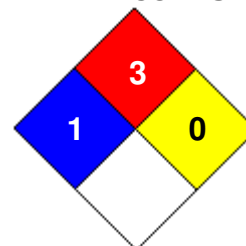
"Xi" - Irritant
 R36/37/38 - Irritating to eyes, respiratory system and skin.

R52/53 - Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

16. OTHER INFORMATION

APPROVED BY: Pierce A. Pillon **TITLE:** Chemist

REVISION SUMMARY: Revision #: 4. This MSDS replaces the December 01, 2006 MSDS. Any changes in information are as follows: In Section 1: Comments

NFPA CODES

DATA SOURCES: Code of Federal Regulations (CFR) The Sigma-Aldrich Library of Regulatory and Safety Data OSHA Hazard Communication Standard (29CFR1910.1200) Various Federal, State and Local

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Regulations

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