



Chemical Name: Acrylic Conformal Coating

Manufacturer: Techspray

Container size: 12oz.

Location: SOC

Disposal: Place empty container in trash.

MATERIAL SAFETY DATA SHEET

Finished Product



Date Issued: 01/08/2003
MSDS No: 2103-12S
Date Revised: 02/03/2012
Revision No: 11

Fine-L-Kote AR**1. PRODUCT AND COMPANY IDENTIFICATION**

PRODUCT NAME: Fine-L-Kote AR
PRODUCT DESCRIPTION: Acrylic Conformal Coating
PRODUCT CODE: 2103/CAN/EUR-12S
ACTIVE INGREDIENT(S): Acrylic polymer; n-Propyl acetate; Acetone

MANUFACTURER

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

Emergency Contact: Chemtrec
Emergency Phone: 1-800-858-4043
Service Number: 1-800-858-4043

24 HR. EMERGENCY TELEPHONE NUMBERS

CHEMTREC CCN#21858 (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.
 "Xn" - Harmful
 R20/21 - Harmful by inhalation and in contact with skin.
 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: Substance causes substantial eye irritation.

SKIN: Prolonged or repeated contact can result in defatting and drying of the skin which may result in skin irritation and dermatitis (rash).

INGESTION: Moderately toxic. May cause headaches and dizziness.

INHALATION: Harmful if inhaled. 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: For large amounts; abdominal pain, nausea and vomiting.

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

3. COMPOSITION / INFORMATION ON INGREDIENTS

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Fine-L-Kote AR

Chemical Name	Wt.%	CAS	EINECS
Acrylic polymer	5 - 20	28262-63-7	
n-Propyl acetate	20 - 40	109-60-4	2036861
Acetone	10 - 30	67-64-1	200-662-2
1,1,1,2-Tetrafluoroethane	20 - 50	811-97-2	212-337-0

4. FIRST AID MEASURES

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

SKIN: Wash with soap and water. Get medical attention if irritation develops or persists.

INGESTION: Do not induce vomiting. Give milk or water. Get immediate medical attention immediately.

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: < 4.4°C (40°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: Use alcohol foam, carbon dioxide, or water spray when fighting fires involving this material.

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

6. ACCIDENTAL RELEASE MEASURES

SMALL SPILL: Absorb the liquid and scrub the area with detergent and water. Pick up wash liquid with additional absorbent and place in a disposable container. Do not flush to sewer.

GENERAL PROCEDURES: Forms smooth, slippery surfaces on floors, posing an accident risk. Wear a self-contained breathing apparatus and appropriate personal protective equipment. (See Exposure Controls/Personal Protection Section). Contain spilled liquid with sand or earth. DO NOT use combustible materials such as sawdust.

7. HANDLING AND STORAGE

HANDLING: Ground and bond containers when transferring material.

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

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

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Fine-L-Kote AR**EXPOSURE GUIDELINES**

OSHA HAZARDOUS COMPONENTS (29 CFR1910.1200)							
		EXPOSURE LIMITS					
		OSHA PEL		ACGIH TLV		Supplier OEL	
Chemical Name		ppm	mg/m ³	ppm	mg/m ³	ppm	mg/m ³
n-Propyl acetate	TWA		200 ppm		200 ppm		
	STEL		250 ppm		250 ppm		
Acetone	TWA	750 ppm [1]	1800 mg/m ³ [1]	750 ppm	1780 mg/m ³	NL ppm	NL mg/m ³
	STEL	1000 ppm	2400 mg/m ³	1000 ppm	2380 mg/m ³	NL ppm	NL mg/m ³
1,1,1,2-Tetrafluoroethane	TWA	NE		NE		1,000 ppm [2]	[2]

OSHA TABLE COMMENTS:

- NL = Not Listed
- * (AEL)=Acceptable Exposure Limit as established by the manufacture

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

9. PHYSICAL AND CHEMICAL PROPERTIES

Chemical Name	Boiling Point (°C)	Freezing Point (°C)	Solubility in Water	Specific Gravity
1,1,1,2-Tetrafluoroethane	-26.4	-101	NEGLIGIBLE	1.21

PHYSICAL STATE: Liquid

ODOR: Characteristic odor.

APPEARANCE: Clear, Colorless liquid

PERCENT VOLATILE: 79 at 25°C (68°F)

VAPOR DENSITY: > 1 (Air=1)

BOILING POINT: 110°C (230°F)

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Fine-L-Kote AR**MELTING POINT:** 163°C (325.4°F) to 249°C (480.2°F)**FLASHPOINT AND METHOD:** < 4.4°C (40°F) TAG CC**SOLUBILITY IN WATER:** Negligible**SPECIFIC GRAVITY:** 0.870 to 0.900 (water=1)**VISCOSITY #1:** 34 to 54 Centipoise at 25°C (68°F)**(VOC):** 256.000 g/L (non-exempt VOC)**10. STABILITY AND REACTIVITY****STABLE:** Yes**HAZARDOUS POLYMERIZATION:** No**CONDITIONS TO AVOID:** Heat, flames, ignition sources, and incompatibles.**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
Acetone	5800 mg/kg	20 g/kg	50100 ppm
1,1,1,2-Tetrafluoroethane			> 500000 ppm

EYES: 20 mg**Notes:** Irritation eye rabbit, severe**DERMAL LD₅₀:** > 20 mg/kg (rabbit)**ORAL LD₅₀:** 9370 mg/kg (rat)**INHALATION LC₅₀:** 8000 ppm, 4-hour**EYE EFFECTS:** High vapor concentrations may cause moderate to severe eye irritation.**SKIN EFFECTS:** The mixture is a mild to severe skin irritant but is not a skin sensitizer in animals.**CARCINOGENICITY**

Chemical Name	NTP Status	IARC Status	OSHA Status
n-Propyl acetate	NOT LISTED	NOT LISTED	NOT LISTED
Acetone	NOT LISTED	NOT LISTED	NOT LISTED
1,1,1,2-Tetrafluoroethane	NOT LISTED	NOT LISTED	NOT LISTED

IARC: NOT listed

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Fine-L-Kote AR**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

ECOTOXICOLOGICAL INFORMATION: Rainbow trout LC50=5540 mg/L/96H, Static conditions, 11-13 degrees
 C, Fathead Minnow LC50=7280 - 8120 mg/L/96H Flow-through conditions, Bluegill LC50 = 8300 mg/L/96H

13. DISPOSAL CONSIDERATIONS

GENERAL COMMENTS: Dispose of in a manner consistent with federal, state, and local regulations.

14. TRANSPORT INFORMATION**DOT (DEPARTMENT OF TRANSPORTATION)****PROPER SHIPPING NAME:** CONSUMER COMMODITY ORM-D**UN/NA NUMBER:** NA**PACKING GROUP:** NA**ROAD AND RAIL (ADR/RID)****KEMLER NUMBER:** UN1950**HAZARD CLASS:** 2.1**AIR (ICAO/IATA)****SHIPPING NAME:** CONSUMER COMMODITY ID8000**UN/NA NUMBER:** ID8000**PRIMARY HAZARD CLASS/DIVISION:** 9**PACKING GROUP:** NA**VESSEL (IMO/IMDG)****SHIPPING NAME:** AEROSOLS IN LIMITED QUANTITIES OF CLASS 2**UN/NA NUMBER:** UN1950**PRIMARY HAZARD CLASS/DIVISION:** 2.1**PACKING GROUP:** NA**NOTE:** Page 2102**15. REGULATORY INFORMATION****UNITED STATES****SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)****311/312 HAZARD CATEGORIES:** IMMEDIATE / DELAYED**FIRE:** Yes **ACUTE:** Yes **CHRONIC:** Yes

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Fine-L-Kote AR**EPCRA SECTION 313 SUPPLIER NOTIFICATION**

Chemical Name	Wt. %	CAS
Acetone	10 - 30	67-64-1

CERCLA (COMPREHENSIVE RESPONSE, COMPENSATION, AND LIABILITY ACT)

CERCLA REGULATORY: Acetone (67-64-1)

Chemical Name	Wt. %	CERCLA RQ
Acetone	10 - 30	5000 lbs.

REPORTABLE SPILL QUANTITY: 5000 lbs.

TSCA (TOXIC SUBSTANCE CONTROL ACT)

Chemical Name	CAS
Acrylic polymer	28262-63-7
n-Propyl acetate	109-60-4
Acetone	67-64-1
1,1,1,2-Tetrafluoroethane	811-97-2

TSCA STATUS: All chemicals in this product are listed in the TSCA inventory.

CLEAN AIR ACT

Chemical Name	Wt. %	CAS
1,1,1,2-Tetrafluoroethane	20 - 50	811-97-2

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

RCRA STATUS: U002 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.

WHMIS CLASS: Class A, B5, D2B (Aerosol, Flammable Aerosol, Toxic Materials)

EUROPEAN COMMUNITY

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Fine-L-Kote AR**EEC LABEL SYMBOL AND CLASSIFICATION**

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"Xn" - Harmful
 R20/21 - Harmful by inhalation and in contact with skin.

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.

GENERAL COMMENTS: 1,1,1,2-tetrafluoroethane is subject to U.S. Environmental Agency Clean Air Act Regulations, (40CFR Part 82).

16. OTHER INFORMATION

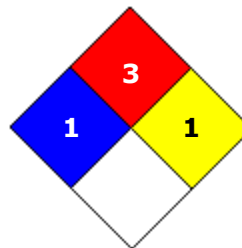
APPROVED BY: Pierce A. Pillon **TITLE:** Chemist

PREPARED BY: Steve Cook

REVISION SUMMARY: This MSDS replaces the 02/03/2012 MSDS.

HMIS RATING

HEALTH	<input type="checkbox"/>	1
FLAMMABILITY	<input type="checkbox"/>	3
PHYSICAL HAZARD	<input type="checkbox"/>	1
PERSONAL PROTECTION	<input type="checkbox"/>	

NFPA CODES

GENERAL STATEMENTS: This MSDS was reviewed on 21 December 2006.

COMMENTS: This MSDS was reviewed on 1 Dec. 2006.

MANUFACTURER DISCLAIMER: To the best of our knowledge, the information contained herein is accurate. However, neither Tech Spray, L.P., or 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 which exist.