

MATERIAL SAFETY DATA SHEET

Finished Product



Date Issued: 01/03/2003

MSDS No: 2102-G/5G

Date Revised: 07/20/2010

Revision No: 5

Fine-L-Kote SR

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: Fine-L-Kote SR

PRODUCT DESCRIPTION: Silicone Conformal Coating

PRODUCT CODE: 2102/CAN/EUR-P, G, 5G

PRODUCT FORMULATION NAME: Fine-L-Coat™ SR

ACTIVE INGREDIENT(S): Acetone; Hexane; 1-(2-Methoxy-Methyl-Ethoxy)-2-Propanol Acetate; Polysiloxane mixture; Benzene- methyl, (Toluene)

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+" - Extremely flammable

R12 - Extremely flammable.

"Xn" - Harmful

R20/22 - Harmful by inhalation and if swallowed.

EMERGENCY OVERVIEW

PHYSICAL APPEARANCE: Transparent, colorless liquid.

IMMEDIATE CONCERNS: Flammable liquid and vapor.

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: Harmful if swallowed.

INHALATION: High concentrations in immediate area can displace oxygen and can cause dizziness, unconsciousness, and possibly death with longer exposure. Keep people away from such vapors without self-contained breathing apparatus.

SIGNS AND SYMPTOMS OF OVEREXPOSURE

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

INGESTION: For large amounts; abdominal pain, nausea and vomiting.

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3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	Wt.%	CAS	EINECS
Acetone	30 - 60	67-64-1	200-662-2
Hexane	15 - 40	110-54-3	203-777-6
1-(2-Methoxy-Methyl-Ethoxy)-2-Propanol Acetate	1 - 10	88917-22-0	
Polysiloxane mixture	8 - 20		
Benzene- methyl, (Toluene)	1 - 6	108-88-3	203-625-9

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: Aspiration hazard. If swallowed, vomiting may occur spontaneously, but do not induce. If vomiting occurs, keep head below hips to prevent aspiration into lungs. Call a physician 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: -12.2°C (10°F) TAG CC

FLAMMABLE LIMITS: 1.8% to 10%

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 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

LARGE SPILL: -Implement cleanup procedures. -If in public area, keep public away and advise authorities. -Recover by pumping (use an explosion proof or hand pump) or with a suitable absorbent.

GENERAL PROCEDURES: Dike area to contain spill. Take precautions as necessary to prevent

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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.

7. HANDLING AND STORAGE

GENERAL PROCEDURES: Use only in a well ventilated area.

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

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

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
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
Hexane	TWA	50 ppm ^[1]	180 mg/m ³ ^[1]	50 ppm	176 mg/m ³	NL ppm	NL mg/m ³
	STEL	NL ppm	NL mg/m ³	NL ppm	NL mg/m ³	NL ppm	NL mg/m ³
Benzene- methyl, (Toluene)	TWA	200 ppm ^[1]	375 mg/m ³ ^[1]	S 50 ppm ^[3]	188 mg/m ³ ^[3]	NL	NL
	STEL	C300 ppm ^[2]	560 mg/m ³ ^[2]	NL ppm	NL mg/m ³	NL	NL
OSHA TABLE COMMENTS: 1. NL = Not Listed 2. C = Ceiling 3. S = Skin							

ENGINEERING CONTROLS: Local exhaust ventilation may be necessary to control any air contaminants to within their TLVs during the use of this product.

PERSONAL PROTECTIVE EQUIPMENT

EYES AND FACE: For normal conditions, wear safety glasses. Where there is reasonable probability of liquid contact, wear splash-proof goggles.

SKIN: The glove(s) listed below may provide protection against permeation. Gloves of other chemically

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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

PHYSICAL STATE: Liquid

pH: Not Applicable

PERCENT VOLATILE: 86 at 20°C (68°F)

BOILING POINT: 79°C (134°F)

FLASHPOINT AND METHOD: -12.2°C (10°F) TAG CC

SOLUBILITY IN WATER: Insoluble

SPECIFIC GRAVITY: 0.830 (water=1)

(VOC): 481.000 g/L (non-exempt VOC)

10. STABILITY AND REACTIVITY

STABLE: Yes

HAZARDOUS POLYMERIZATION: No

STABILITY: Stable.

CONDITIONS TO AVOID: Heat, flames, ignition sources, and incompatibles.

INCOMPATIBLE MATERIALS: Concentrated nitric and sulfuric acid mixtures, chloroform, alkalis, chlorine compounds, acids, potassium t-butoxide.

11. TOXICOLOGICAL INFORMATION

ACUTE

Chemical Name	ORAL LD ₅₀ (rat)	DERMAL LD ₅₀ (rabbit)	INHALATION LC ₅₀ (rat)
Acetone	5800 mg/kg	20 g/kg	50100 ppm

EYE EFFECTS: Not Available

SKIN EFFECTS: Not Available

CARCINOGENICITY

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Chemical Name	NTP Status	IARC Status	OSHA Status
Acetone	NOT LISTED	NOT LISTED	NOT LISTED
Polysiloxane mixture	NOT LISTED	NOT LISTED	NOT LISTED

IARC: NOT listed

NTP: NOT listed

OSHA: NOT listed

REPRODUCTIVE EFFECTS: Toluene is listed as a reproductive hazard.

12. ECOLOGICAL INFORMATION

ENVIRONMENTAL DATA: There is limited information available on the environmental fate and effects of this material. The primary environmental concern for release is the impact on aquatic and terrestrial species. Due care should be taken to avoid the accidental release of this material into the environment.

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: Flammable Liquid, N.O.S., (Contains Acetone, Toluene)

PRIMARY HAZARD CLASS/DIVISION: 3

UN/NA NUMBER: UN1993

PACKING GROUP: II

ROAD AND RAIL (ADR/RID)

KEMLER NUMBER: UN1993

HAZARD CLASS: 3

AIR (ICAO/IATA)

SHIPPING NAME: Flammable Liquid, N.O.S., (Contains Acetone, Toluene)

UN/NA NUMBER: UN1993

PRIMARY HAZARD CLASS/DIVISION: 3

PACKING GROUP: II

NOTE: Domestic shipments only. When shipping International contact TechSpray shipping department.

VESSEL (IMO/IMDG)

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SHIPPING NAME: Flammable Liquid, N.O.S., (Contains Acetone, Toluene)

UN/NA NUMBER: UN1993

PRIMARY HAZARD CLASS/DIVISION: 3

PACKING GROUP: II

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CANADA TRANSPORT OF DANGEROUS GOODS

SHIPPING NAME: Flammable Liquid, N.O.S., (Contains Acetone, Toluene)

UN/NA NUMBER: UN1993

PRIMARY HAZARD CLASS/DIVISION: 3

PACKING GROUP: II

15. REGULATORY INFORMATION

UNITED STATES

SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)

FIRE: Yes **PRESSURE GENERATING:** No **REACTIVITY:** No **ACUTE:** Yes **CHRONIC:** Yes

313 REPORTABLE INGREDIENTS: Toluene n-Hexane (110-54-3)

EPCRA SECTION 313 SUPPLIER NOTIFICATION

Chemical Name	Wt. %	CAS
Acetone	30 - 60	67-64-1
Hexane	15 - 40	110-54-3
Benzene- methyl, (Toluene)	1 - 6	108-88-3

CERCLA (COMPREHENSIVE RESPONSE, COMPENSATION, AND LIABILITY ACT)

CERCLA REGULATORY: Acetone (67-64-1) Contains toluene (#108-88-3).

Chemical Name	Wt. %	CERCLA RQ
Acetone	30 - 60	5000 lbs.
Benzene- methyl, (Toluene)	1 - 6	1000 lbs.

CERCLA RQ: 1000 Lbs.

TSCA (TOXIC SUBSTANCE CONTROL ACT)

Chemical Name	CAS
Acetone	67-64-1
Hexane	110-54-3
Benzene- methyl, (Toluene)	108-88-3

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CLEAN AIR ACT

Chemical Name	Wt. %	CAS
Benzene- methyl, (Toluene)	1 - 6	108-88-3

OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA)

29 CFR 1910.119---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 contains a component known to the state of California to cause reproductive toxicity: Toluene (CAS#108883)

Chemical Name	Wt. %	Listed
Benzene- methyl, (Toluene)	1 - 6	Developmental Toxicity

RCRA STATUS: U220 U002

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 product has been classified according to the hazard criteria of the CPR. This MSDS contains all the information required by the CPR."

WHMIS CLASS: Class B2 - Flammable Liquids. Class D2B - Toxic Materials.

DOMESTIC SUBSTANCE LIST (INVENTORY): All components of this product are listed on the Canadian DSL.

EUROPEAN COMMUNITY

EEC LABEL SYMBOL AND CLASSIFICATION



"F+" - Extremely flammable
R12 - Extremely flammable.



"Xn" - Harmful
R20/22 - Harmful by inhalation and if swallowed.

16. OTHER INFORMATION

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

PREPARED BY: Steve Cook

REVISION SUMMARY: Revision #: 5. This MSDS replaces the November 30, 2006 MSDS. Any changes in information are as follows: In Section 16: Comments

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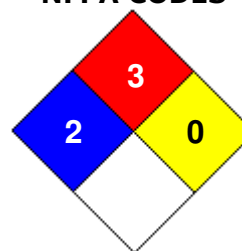
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Fine-L-Kote SR

HMIS RATING

HEALTH:	2
FLAMMABILITY:	3
PHYSICAL HAZARD:	0
PERSONAL PROTECTION:	

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 Regulations

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