

**MATERIAL SAFETY DATA SHEET**

Finished Product



**Date Issued:** 01/08/2003  
**MSDS No:** 2102-12S  
**Date Revised:** 02/18/2013  
**Revision No:** 7

**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-12S**PRODUCT FORMULATION NAME:** Fine-L-Coat™ SR**ACTIVE INGREDIENT(S):** Acetone; Hexane; 1-(2-Methoxy-Methyl-Ethoxy)-2-Propanol Acetate; Dimethyl methylphenylmethoxy siloxane**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+" - 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.**3. COMPOSITION / INFORMATION ON INGREDIENTS**

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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	
Dimethyl methylphenylmethoxy siloxane	5 - 15	68952-93-2	
Methyltrimethoxysilane	> 0.01	1185-55-3	
Benzene- methyl, (Toluene)	1 - 6	108-88-3	203-625-9
Propane	5 - 25	74-98-6	
Isobutane	5 - 25	75-28-5	

**4. FIRST AID MEASURES**

**EYES:** Immediately flush eyes with plenty of water for at least 20 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 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.

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**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)**

Chemical Name		EXPOSURE LIMITS					
		OSHA PEL		ACGIH TLV		Supplier OEL	
		ppm	mg/m <sup>3</sup>	ppm	mg/m <sup>3</sup>	ppm	mg/m <sup>3</sup>
Acetone	TWA	750 ppm <sup>[1]</sup>	1800 mg/m <sup>3</sup> <sup>[1]</sup>	750 ppm	1780 mg/m <sup>3</sup>	NL ppm	NL mg/m <sup>3</sup>
	STEL	1000 ppm	2400 mg/m <sup>3</sup>	1000 ppm	2380 mg/m <sup>3</sup>	NL ppm	NL mg/m <sup>3</sup>
Hexane	TWA	50 ppm <sup>[1]</sup>	180 mg/m <sup>3</sup> <sup>[1]</sup>	50 ppm	176 mg/m <sup>3</sup>	NL ppm	NL mg/m <sup>3</sup>
	STEL	NL ppm	NL mg/m <sup>3</sup>	NL ppm	NL mg/m <sup>3</sup>	NL ppm	NL mg/m <sup>3</sup>
Benzene- methyl, (Toluene)	TWA	200 ppm <sup>[1]</sup>	375 mg/m <sup>3</sup> <sup>[1]</sup>	S 50 ppm <sup>[3]</sup>	188 mg/m <sup>3</sup> <sup>[3]</sup>	NL	NL
	STEL	C300 ppm <sup>[2]</sup>	560 mg/m <sup>3</sup> <sup>[2]</sup>	NL ppm	NL mg/m <sup>3</sup>	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 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

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**Fine-L-Kote SR****ODOR:** Characteristic odor.**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 <sub>50</sub> (rat)	DERMAL LD <sub>50</sub> (rabbit)	INHALATION LC <sub>50</sub> (rat)
Acetone	5800 mg/kg	20 g/kg	50100 ppm

**EYE EFFECTS:** Not Available**SKIN EFFECTS:** Not Available**CARCINOGENICITY**

Chemical Name	NTP Status	IARC Status	OSHA Status
Acetone	NOT LISTED	NOT LISTED	NOT LISTED
Dimethyl methylphenylmethoxy siloxane	NOT LISTED	NOT LISTED	NOT LISTED
Methyltrimethoxysilane	NOT LISTED	NOT LISTED	NOT LISTED

**IARC:** NOT listed**NTP:** NOT listed**OSHA:** NOT listed**REPRODUCTIVE EFFECTS:** Toluene is listed as a reproductive hazard.

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**Fine-L-Kote SR****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:** CONSUMER COMMODITY ORM-D

**PRIMARY HAZARD CLASS/DIVISION:** No classification

**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

**UN/NA NUMBER:** UN1950

**PRIMARY HAZARD CLASS/DIVISION:** 2.1

**PACKING GROUP:** NA

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**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)

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

Chemical Name	Wt. %	CAS
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
Dimethyl methylphenylmethoxy siloxane	68952-93-2
Benzene- methyl, (Toluene)	108-88-3

**TSCA STATUS:** All components of this product are either listed or exempt from listing in the TSCA inventory.**CLEAN AIR ACT**

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

**CALIFORNIA PROPOSITION 65:** This product contains a component known to the state of California to cause reproductive toxicity: Toluene (CAS#108883)**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 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)**DOMESTIC SUBSTANCE LIST (INVENTORY):** All components of this product are listed on the Canadian DSL.**EUROPEAN COMMUNITY**

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

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



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

**16. OTHER INFORMATION**

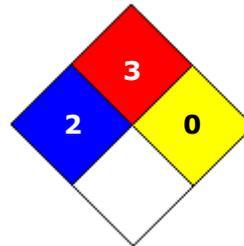
**APPROVED BY:** Pierce A. Pillon    **TITLE:** Chemist

**PREPARED BY:** Steve Cook

**REVISION SUMMARY:** This MSDS replaces the 11/30/2010 MSDS.

**HMIS RATING**

<b>HEALTH</b>	<input type="checkbox"/>	<b>2</b>
<b>FLAMMABILITY</b>	<input type="checkbox"/>	<b>3</b>
<b>PHYSICAL HAZARD</b>	<input type="checkbox"/>	<b>0</b>
<b>PERSONAL PROTECTION</b>	<input type="checkbox"/>	

**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

**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.