

MATERIAL SAFETY DATA SHEET

Finished Product



Date Issued: 01/03/2003

MSDS No: 2102-GHV/5GHV

Date Revised: 07/20/2010

Revision No: 5

Fine-L-Kote SR (High Viscosity)

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: Fine-L-Kote SR (High Viscosity)

PRODUCT DESCRIPTION: Silicone Conformal Coating (High Viscosity)

PRODUCT CODE: 2102-GHV/5GHV

PRODUCT FORMULATION NAME: Fine-L-Coat™ SR (High Viscosity)

ACTIVE INGREDIENT(S): 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 909
Amarillo TX 79107

Emergency Contact: Chemtrec

Product Stewardship: 1-800-858-0003

Service Number: 1-800-858-0003

24 HR. EMERGENCY TELEPHONE NUMBERS

CHEMTREC (US Transportation) :(800) 000- 9300

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

Emergency Phone :(800) 858 - 0003

2. HAZARDS IDENTIFICATION

HAZARD DESIGNATION

"F+" - Extremely flammable

R12 - Extremely flammable.

"Xn" - Harmful

R20/21/22 - Harmful by inhalation, in contact with skin 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
1-(2-Methoxy-Methyl-Ethoxy)-2-Propanol Acetate	1 - 10	88917-22-0	
Polysiloxane mixture	60 - 80		
Benzene- methyl, (Toluene)	10 - 20	108-88-3	203-625-9
2-Butanone (methyl ethyl ketone)	1 - 10	78-93-3	

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: (□D°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

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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
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 resistant materials may not provide adequate protection. Viton, Solvex, Butyl, Buna, Neoprene.

RESPIRATORY: A respiratory protection program that meets OSHA 1910.13 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: ☐ at 20°C (68°F)

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BOILING POINT: 79°C (134°F)

FREEZING POINT: Not Applicable

FLASHPOINT AND METHOD: (100°F) TAG CC

SOLUBILITY IN WATER: Insoluble

SPECIFIC GRAVITY: 0.830 (water=1)

(VOC): 378.000 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

EYE EFFECTS: Not Available

SKIN EFFECTS: Not Available

CARCINOGENICITY

Chemical Name	NTP Status	IARC Status	OSHA Status
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.

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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 Liquids, N.O.S. (Toluene, Methyl ethyl ketone)

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 Liquids, N.O.S. (Toluene, Methyl ethyl ketone)

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)

SHIPPING NAME: Flammable Liquids, N.O.S. (Toluene, Methyl ethyl ketone)

UN/NA NUMBER: UN1993

PRIMARY HAZARD CLASS/DIVISION: 3

PACKING GROUP: II

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CANADA TRANSPORT OF DANGEROUS GOODS

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

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313 REPORTABLE INGREDIENTS: Toluene

EPCRA SECTION 313 SUPPLIER NOTIFICATION

Chemical Name	Wt.%	CAS
Benzene- methyl, (Toluene)	10 - 20	108-88-3

CERCLA (COMPREHENSIVE RESPONSE, COMPENSATION, AND LIABILITY ACT)

CERCLA REGULATORY: Toluene (108-88-3), 2-Butanone(78-93-3)

Chemical Name	Wt.%	CERCLA RQ
Benzene- methyl, (Toluene)	10 - 20	1000 lbs.

CERCLA RQ: Toluene - 1000 lbs.; 2-Butanone - 5000 lbs.

TSCA (TOXIC SUBSTANCE CONTROL ACT)

Chemical Name	CAS
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)	10 - 20	108-88-3

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)	10 - 20	Developmental Toxicity

RCRA STATUS: U220

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

CANADA

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

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EEC LABEL SYMBOL AND CLASSIFICATION



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



"Xn" - Harmful
R20/21/22 - Harmful by inhalation, in contact with skin and if swallowed.

16. OTHER INFORMATION

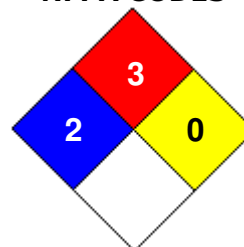
APPROVED BY: Pierce A. Pillon **TITLE:** Chemist

REVISION SUMMARY: Revision #: 5. This MSDS replaces the November 30, 2006 MSDS.

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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