

MSDS Information

Section 1. CHEMICAL PRODUCT SECTION
Product Name: Fine-L-Kote AR Acrylic Conformal Coating
Product Number: 2103 BULK
General Use:
Product Description:
MANUFACTURER: Tech Spray, Inc. For Chemical Emergency, Spill, Leak, Fire
P.O. Box 949 Exposure, or Accident Call CHEMTREC
Amarillo, TX 79105-0949 DAY OR NIGHT 1-800-424-9300.
PHONE: 806/372-8523
FAX: 806/372-8750

Section 2. COMPOSITION / INFORMATION ON INGREDIENTS

CHEMICAL	C.A.S. Number	Weight %
Toluene	108-88-3	< 20
Propylene Glycol Methyl Ether Acetate	108-65-6	< 40
Acrylic Copolymer		< 25
Methyl Ethyl Ketone	78-93-3	< 15

OSHA HAZARDOUS COMPONENTS (29 CFR 1910.1200):

	OSHA PEL	ACGIH TLV	Supplier
Toluene	100	100	
Propylene Glycol Methyl Ether	NIF	NIF	
Methyl Ethyl Ketone	200		

Section 3. HAZARD IDENTIFICATION

Emergency Overview:
Potential Health Effects:
INHALATION: Move victim away from source of exposure and into fresh air.
If symptoms of exposure develop seek medical attention .

EYES: Liquid can cause slight, temporary irritation with slight temporary
corneal injury. Vapors can irritate eyes.

SKIN: Prolonged or repeated skin contact can cause irritation, defatting of
tissues, and dermatitis. Wash with soap and water.

INGESTION: Single dose toxicity is low to moderate. If victim is drowsy
or unconscious, place on the left side with head down. Do not
give anything by mouth. If victim is conscious and alert,
vomiting should be induced for ingestion's of large amounts.

Section 4. FIRST AID MEASURES

Inhalation:
Move to fresh air in case of accidental inhalation of vapors. If
victim has stopped breathing, give artificial respiration. Call for
prompt medical attention.

Eye Contact:
Flush eyes with large amounts of water for 15 minutes or until
irritation subsides. If irritation persists, get medical attention.

Skin Contact:
Remove contaminated clothing (including shoes) and wash before reuse.
Flush with large amounts of water. Use soap if available. If
irritation persists, seek medical attention.

Ingestion:
Do not induce vomiting unless directed by a physician. If conscious
and alert, give two glasses of water. Seek medical attention
immediately.

Section 5. FIRE FIGHTING MEASURES

Flash Point & Method: 40 F, TCC Method
Flammable Limits: LEL: NE UEL: NE
Autoignition Temperature:

GENERAL HAZARD:
None

FIRE FIGHTING INSTRUCTIONS:
Fire fighters should wear self contained, positive-pressure breathing
apparatus and avoid skin contact. Concentrated vapors can be ignited
by high intensity ignition source.

FIRE FIGHTING EQUIPMENT:
Water, foam, dry chemical, carbon dioxide.

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

Section 6. ACCIDENTAL RELEASE MEASURES

LAND SPILL:
Evacuate area, ventilate, and avoid breathing vapors. Dike area to contain
spill. Clean up area by mopping or with suitable absorbent material and
place in closed containers for disposal. Avoid contamination of ground and
surface waters. Do NOT flush to sewer. If spill is indoors, shut off air
conditioning and heating systems to prevent contaminating of building.

WATER SPILL:

Section 7. HANDLING AND STORAGE

STORAGE TEMPERATURE: Ambient
STORAGE PRESSURE: Atmospheric

GENERAL:
Keep container closed when not in use. Store in cool, well ventilated
place out of direct sunlight and away from incompatible materials.
(See STABILITY AND REACTIVITY Section 10.) Follow all MSD Sheet and
Label warnings even after container is emptied.

Section 8. EXPOSURE CONTROL / PERSONAL PROTECTION

Engineering Controls:
() Local Exhaust ventilation acceptable.
(X) Mechanical ventilation recommended.

- () Use explosion-proof ventilation equipment.
 () Do not use in confined spaces without mechanical ventilation equipment.
 See section 2 for component exposure guidelines.

Personal Protection:

RESPIRATOR:

If concentrations are over the exposure limit and are known, air purifying respirator with Organic Vapor Cartridges may be acceptable. Refer to cartridges for acceptable levels. If concentrations are over exposure limit and are unknown, use a supplied air respirator.

HAND PROTECTION:

- (X) Gloves recommended
 (X) Solvex () Neoprene
 () Butyl () Buna
 () Natural Latex () Cotton/Jersey

EYE PROTECTION:

- (X) Safety Glasses () Chemical Goggles () Full Face Shield

OTHER RECOMMENDATIONS:

- () Rubber Boots () Splash-proof chemical resistant suit/apron

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 Section 9. PHYSICAL AND CHEMICAL PROPERTIES
 Density..... 0.96 pH..... NIF
 Boiling Point..... 110C / 230F % Volatile..... 79
 Freezing Point..... NIF % Solids..... 21
 Vapor Density (Air=1):... > a Evaporation Rate (H2O=1)... NIF
 Solubility in Water..... 0 Viscosity..... N/A
 Molecular Weight..... N/A Physical State..... LIQUID
 Non-Exempt VOC (g/l).... 749 Odor..... NIF
 Appearance: Clear water-white viscous liquid with aromatic odor.
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 Section 10. STABILITY AND REACTIVITY
 GENERAL:
 STABLE
 INCOMPATIBLE MATERIALS AND CONDITIONS TO AVOID:
 Contact with open flame, heat.
 Strong bases, oxidizers, reducing agents, aluminum, and other type meta
 HAZARDOUS DECOMPOSITION:
 Carbon monoxide and Carbon dioxide.
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 Section 11. TOXICOLOGICAL INFORMATION
 RESULTS OF COMPONENT TOXICITY TEST PERFORMED:
 Information not available.
 HUMAN EXPERIENCE:
 Information not available.
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 Section 12. ECOLOGICAL INFORMATION
 FURTHER INFORMATION:
 Information not available.
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 Section 13. DISPOSAL CONSIDERATIONS
 RCRA 40 CFR 261 Classification:
 Federal, State, and Local laws governing disposal of materials can differ.
 Ensure proper disposal compliance with proper authorities before disposal.
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 Section 14. TRANSPORTATION INFORMATION
 U.S. DOT Information
 Proper Shipping Name: CONSUMER COMMODITY ORM-D
 Hazard Class: NA
 Packaging Group: NA
 UN Number: NA
 IATA

Proper Shipping Name: CONSUMER COMMODITY ID8000
 Hazard Class: 9
 Packing Group: NA
 UN Number: ID8000
 Limitations:
 FOR DOMESTIC SHIPMENTS ONLY. When shipping
 INTERNATIONAL contact the Tech Spray Shipping Dept.

IMO

Proper Shipping Name: TOLUENE
 Class: 3.2
 UN Number: UN1294
 Packaging Group: II
 EMS: 3-07
 MFAG: 310
 Marine Pollutant: N/A
 Canadian TDG: N/A
 IMDG: 3285
 Limitations: 2103-P can ship as DANGEROUS GOODS IN LIMITED QUANTITIES
 OF CLASS 3 (TOLUENE) IMDG: 0147
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 Section 15. REGULATORY INFORMATION
 UNITED STATES FEDERAL REGULATIONS:
 MSDS complies with OSHAs Hazard Communication Rule, 29 CFR 1910.1200.

CERCLA/SUPERFUND, 40 CFR 117, 302:
 --- None of the chemicals are Superfund hazards ---

SARA SUPERFUND AND REAUTHORIZATION ACT OF 1986
 TITLE III Sections 302, 311, 312 and 313:
 Section 302 - Extremely hazardous substances (40 CFR 355):
 --- None of the chemicals are Section 302 hazards ---

Section 311/312 - Material Safety Data Sheet Requirements (40 CFR 370)
 () By our hazard evaluation, this product is non-hazardous.
 (X) By our hazard evaluation, this product is hazardous. It
 should be reported under the following EPA hazard.
 (X) Immediate (acute) health hazard
 (X) Delayed (chronic) chronic health hazard
 () Sudden release of pressure hazard
 () Reactive hazard

Section 313 - List of Toxic Chemicals (40 CFC 372)

This product contains the following chemicals (at levels of 1% or greater) which are found on the 313 list of Toxic Chemicals.

CHEMICAL	C.A.S. NUMBER	WEIGHT %
Toluene	108-88-3	< 20

TOXIC SUBSTANCE CONTROL ACT (TSCA): All substances are TSCA Listed.

RESOURCE CONSERVATION AND RECOVERY ACT (RCRA 40 CFR 261) Subpart C & D:
Refer to Section 11. for RCRA classification.

FEDERAL WATER POLLUTION CONTROL ACT, CLEAN WATER ACT, 40 CFR 401.15
(FORMERLY SECTION 307), 40 CFR 116 (FORMERLY SECTION 311)
This product contains the following chemicals which are listed:

CHEMICAL	C.A.S. NUMBER	WEIGHT %
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CLEAN AIR ACT: --- No Information ---

STATE REGULATIONS:

CALIFORNIA PROPOSITION 65:

This product contains the following ingredients which appear on the California proposition 65 list:

CHEMICAL	C.A.S. NUMBER	WEIGHT %
Toluene	108-88-3	< 20

INTERNATIONAL REGULATIONS:

CANADA WHIMS: NIF

EUROPE EINECS NUMBERS: NIF

Section 16.

OTHER INFORMATION

LABEL INFORMATION:

European risk and Safety Phrases: NIF

European Symbols Needed: NIF

Canadian WHIMS Symbols: NIF

NFPA HAZARD RATING:

(1) Fire (3) Health (1) Reactivity

REVISION DATES, SECTIONS, REVISED BY:

27-JULY-94, CONVERTED TO ANSI STANDARD, B. RIFFEL

11-NOV-96, UPDATED TRANSPORTATION, R. PRICHARD

ABBREVIATIONS USED IN THIS DOCUMENT:

NE - Not Established, NA - Not Applicable, NIF - No Information Found

REFERENCES:

Code of Federal Regulations (CFR)

The Sigma-Aldrich Library of Regulatory and Safety Data

Chemical Guide and OSHA Hazard Communication Standard

Various Federal, State & Local Regulations

To the best of our knowledge, the information contained herein is accurate. However, neither Tech Spray, Inc. 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.
