MSDS Information

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ion 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

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Section 2.          COMPOSITION / INFORMATION ON INGREDIENTS
 CHEMICAL                                      C.A.S. Number    Weight %
 Toluene                                         108-88-3         < 20
 Propylene Glycol Methyl Ether                   108-65-6         < 40
                  Acetate
 Acrylic Copolymer                                                < 25
 Methyl Ethyl Ketone                              78-93-3         < 15

OSHA HAZARDOUS COMPONENTS (29 CFR 1910.1200):
                                          Exposure Limits 8 Hours TWA (PPM)
                                           OSHA PEL   ACGIH TLV   Supplier
 Toluene                                     100         100
 Propylene Glycol Methyl Ether               NIF         NIF
 Methyl Ethyl Ketone                         200

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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.

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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.

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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.

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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:

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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.

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Section 8.          EXPOSURE CONTROL / PERSONAL PROTECTION
     Engineering Controls:
         ( )     Local Exhaust ventilation acceptable.
         (X)     Mechanical ventilation recommended.
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( ) 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 %

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

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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-JLY-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. ever, neither Tech Spray, Inc. or any of its subsidiaries assumes any bility whatsoever for the accuracy or completeness of the information ntained 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.